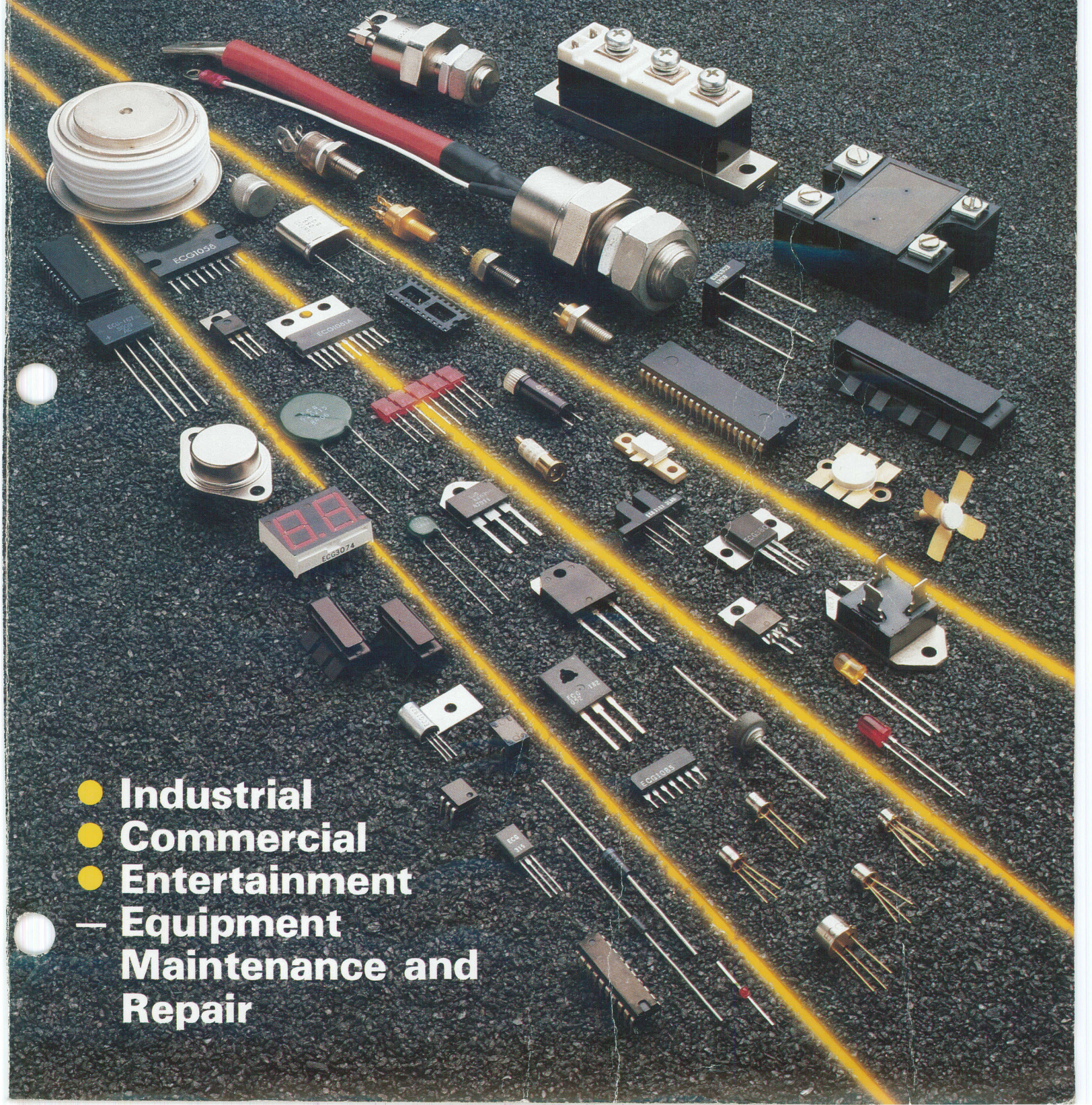
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ECG®

Semiconductors Master Replacement Guide



- Industrial
- Commercial
- Entertainment
- Equipment Maintenance and Repair

ECG Semiconductor Master Replacement Guide — ECG212P

The 14th Edition ECG Semiconductor Master Guide features approximately **13,000 additional crosses** and over **230 new devices**, including several new product families. Product additions are summarized on pages 1-1 and 1-2 and are identified by type number in the numerical Product Index, beginning on page 1-6. Complementing this expansion are new selector guides and numerous other refinements, all designed to further simplify choosing the best ECG replacement type for the application.

The ECG Semiconductor product line encompasses a wide variety of high quality devices (nearly 4,000) which meet Entertainment and Industrial/Commercial MRO replacement needs. Upgrading with ECG Semiconductors can reduce frequency of repair and minimize replacement parts inventory. ECG Semiconductors can be used with confidence and are available through an international network of electronic parts distributors.

The technical data given on the following pages are intended to show safe areas of ECG device operation and level of performance. They are not to be considered limits for new equipment design. We cannot guarantee that the listed items provide an exact replacement in all applications.

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- **Audio/Video Products**
- **Cable Converters**
- **EMF™ Surge Suppressors**
- **Flameproof Resistors**
- **Input/Output Modules**
- **Logic Circuit Test Probes**
- **Multimeters**
- **Oscilloscope Test Probes**
- **Relays**
- **Remote Control Transmitters**
- **Remote Control Transmitter Testers**
- **Thermometers**
- **Wiring Accessories**

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What's New!!

New products have been added in many categories. Following is a summary of the items which are new in Master Guide ECG212P.

New Products —

Transistors (67), Page 1-38

- 2 Small Signal Transistors
- 12 Power and Switching Transistors
- 13 Power Darlington Transistors
- 6 Transistors with Built-in Bias Resistors
- 9 Power MOSFETs
- 25 Surface Mount Transistors, 6 of them with Built-in Bias Resistors

Diodes and Rectifiers (17), Page 1-93

- 5 Surface Mount Diodes, including Single, Dual and Band-Switching
- 2 Fast Switching Diodes
- 4 Schottky Power Rectifiers
- 6 Fast Switching Power Rectifiers

Bridges (5), Page 1-99

- 3 Single, In-line 4-Amp, to PRV of 1000 Volts
- 2 Single, In-line, 6-Amp, to PRV of 600 Volts

Silicon Controlled Rectifiers (2), Page 1-105

- 1 Fast Switch for TV Power Supplies
- 1 Isolated Base, TO-3, 40 Amp/600 V

Optoelectronics (7), Page 1-122

- 1 Infra-Red, PIN, Detector Diode for Remote Control Receivers in TV, VCR and Cable Converters
- 3 Optocouplers with Fast, or CMOS Compatible, Transistor Outputs
- 1 Optocoupler with Split Darlington Output
- 1 Optocoupler with Triac Output
- 1 Optocoupler with Fast Switching Logic Gate Output

Linear ICs (132), Page 1-144

For Entertainment and Consumer Products

- 11 Types for AM, FM and Audio Applications
- 47 Types for TV Applications
- 28 Types for VCRs
- 6 Types for Telephones
- 3 Miscellaneous Types

For Industrial Use

- 1 Voltage Regulator
- 9 Computer and Peripheral Equipment Types
- 17 Surface Mount Versions of Old Favorites
- 4 Pulse-Width Modulators for Switching Power Supplies
- 3 Hybrid Amplifier Gain Blocks for Satellite Receivers and Cable Amplifiers
- 2 CMOS Timers, One Single, One Dual
- 1 A/D Converter, 3½ Digit

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Surface Mount Transistor Selector Guide D
Hi Voltage Devices E
Diodes/Rectifiers F
SCRs/TRIACs G
Spec. Purpose Dev. H
Transient Supp. I
Crystals J
Opto Devices K
Thermal Cut-Offs L
Ind. Power Modules M
Linear ICs N
Digital ICs O
Interface/MPU ICs P
Access./Heat Sinks Q
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What's New (cont'd)

Accessories (1), Page 1-381

- 1 Mounting Clip for TO-126 or SOT-82 Package

New Chart (1), Page 1-61

- Surface Mount Transistor "Selection by Application" Chart

Additions and Changes

- New catalog pages have been added at the back of the Guide (pages 3-1 through 3-8) on products other than semiconductors supplied by ECG. These include:
  - Audio/Video Products
  - Cable Ties
  - Flameproof Resistors
  - Remote Control Transmitters and Testers
  - Relays
  - Surge Suppressors
  - Test Equipment

How to Use the ECG Master Replacement Guide

Locating A Replacement Device

1. **Consult the Cross Reference section.** This section begins on page 2-1 and is arranged as follows:

   Parts Starting with a Number Are Listed Before Those Starting with a Letter.

   A. Parts starting with a number are listed in order of the numbers occurring before a dash or letter. Examples:

      000000FR2
      .25N6.8
      4-2020-03173
      4202003173

   B. Parts with a dash after a series of numbers are listed ahead of parts with a letter after the same series of numbers. Example:

      48-155001
      48S155001

   C. Parts starting with a letter are listed in alphabetical order of the letters occurring before a dash or number. Example:

      MPS-A20
      MPSA20

   D. Part numbers frequently misread are:

      1. Zero for letter O and vice versa.
      2. One for letter I or L or vice versa.
      3. The Greek letter mu (μ) may be found under either the letter M or U. Check both.

2. **Verify the replacement.** Your application may differ from the norm. It would be to your advantage to verify the replacement part for your particular application. Refer to the Product Index starting on page 1-6. This will direct you to the page number in the Master Guide where the technical data will be found. You may then verify physical dimensions and electrical characteristics.

3. **If a cross reference replacement is not found.** In the event that the cross reference section does not show a replacement, you should first consider the possibility of a no suffix or different suffix replacement. (i.e., 2SC281E is not found in the cross reference section. However, 2SC281 is found and is replaced by ECG123A). The next step is to refer to the Product Index and locate the data page for ECG123A, then compare parameters and physical data, as shown, with your requirements.

   If this procedure does not yield a useable replacement, or no similar types appear in the cross reference section, you may then use one of the following procedures for locating a replacement.

   A. When published information is available, compare the parameters of the device to be replaced with the listed parameters of comparable ECG devices.

   B. When published information is not available, follow the procedure for selecting devices for unlisted types found on pages 1-30 to 1-32.

   C. In the event that none of the above procedures produces a suitable replacement, you may use our 'Personalized Service for Unlisted Types' described on page 1-32.

4. **Dimensions for outline figures.** All dimensions are inches with millimeter equivalent in parentheses.

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74LS259	1-361	D8	IC-TTL Lo Pwr Schottky 8-Bit Addressable Latch
74LS260	1-361	D6	IC-TTL Lo Pwr Schottky Dual 5-Input NOR Gate
74LS266	1-361	D6	IC-TTL Lo Pwr Schottky Quad Exclusive NOR Gate with Open Collector Output
74LS273	1-361	D12	IC-TTL Lo Pwr Schottky Octal 'D Type' Flip-Flop with Clear
74LS279	1-361	D8	IC-TTL Lo Pwr Schottky Quad Set-Reset Latch
74LS280	1-361	D6	IC-TTL Lo Pwr Schottky 9-Bit Odd/Even Parity Generator/Checker
74LS283	1-361	D8	IC-TTL Lo Pwr Schottky 4-Bit Binary Adder
74LS290	1-361	D6	IC-TTL Lo Pwr Schottky Decade Counter
74LS293	1-361	D6	IC-TTL Lo Pwr Schottky 4-Bit Binary Counter
74LS295A	1-361	D8	IC-TTL Lo Pwr Schottky 4-Bit Bidirectional Universal Shift Register with 3-State Output
74LS298	1-361	D8	IC-TTL Lo Pwr Schottky Quad 2-Input Multiplexer with Output Latch
74LS299	1-361	D12	IC-TTL Lo Pwr Schottky 8-Bit Bidirectional Universal Shift/Storage Register with 3-State Output
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74LS352	1-362	D8	IC-TTL Lo Pwr Schottky Dual 4-Line-to-1-Line Data Selector/Multiplexer
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91	1-40	T18	T-PNP, Si, HV Hi Gain Amp
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98	1-40	T28	T-NPN, Si, Pwr Darl HV Amp, Fast Sw
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103	1-40	T5	T-NPN, Ge, AF Preamp, Dr, PO
103A	1-40	T1	T-NPN, Ge, AF Preamp, Dr, PO
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112	1-93	Z4	D-Si, UHF TV, Mxr
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114	1-93	Z12	D-Dual, Se, Horiz AFC, Series Connected
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118	1-91	H38	R-Se, TV HV, Foc, 7.5 k PRV
119	1-91	H39	R-Se, TV Boost, 560 PRV
120	1-93	Z17	R-Se, TV Converge, 18 PRV
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123	1-41	T6	T-NPN, Si, AF Preamp, Dr, Vid Amp, Sync Sep
123A	1-41	T2	T-NPN, Si, AF/RF Amp
123AP	1-41	T16	T-NPN, Si, AF/RF Amp, CB Dr
124	1-41	T25	T-NPN, Si, HV AF PO
125	1-93	Z3	R-Si, 1000 PRV, 2.5 A
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127	1-41	T28	T-PNP, Ge, Defl Amp, AF PO
128	1-41	T6	T-NPN, Si, AF Preamp, Dr, Vid Amp
128P	1-41	T17	T-NPN, Si, Gen Purp Amp, Sw
129	1-41	T6	T-PNP, Si, AF Preamp, Dr, Vid Amp
129MCP	1-41	T6	T-Matched Compl Pair of ECG128 and ECG129
129P	1-41	T17	T-PNP, Si-Gen Purp Amp, Sw
130	1-41	T28	T-NPN, Si, AF PO
130MP	1-41	T28	T-NPN, Si, Matched Pair of ECG130
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134A	1-98	Z3A	ZD-3.6 V, 1 W (2/Pkg)
135A	1-98	Z3A	ZD-5.1 V, 1 W (2/Pkg)
136A	1-98	Z3A	ZD-5.6 V, 1 W (2/Pkg)
137A	1-98	Z3A	ZD-6.2 V, 1 W (2/Pkg)
138A	1-98	Z3A	ZD-7.5 V, 1 W (2/Pkg)
139A	1-98	Z3A	ZD-9.1 V, 1 W (2/Pkg)
140A	1-98	Z3A	ZD-10.0 V, 1 W (2/Pkg)
141A	1-98	Z3A	ZD-11.5 V, 1 W (2/Pkg)
142A	1-98	Z3A	ZD-12.0 V, 1 W (2/Pkg)
143A	1-98	Z3A	ZD-13.0 V, 1 W (2/Pkg)
144A	1-98	Z3A	ZD-14.0 V, 1 W (2/Pkg)
145A	1-98	Z3A	ZD-15.0 V, 1 W (2/Pkg)
146A	1-98	Z3A	ZD-27.0 V, 1 W (2/Pkg)
147A	1-98	Z3A	ZD-33.0 V, 1 W (2/Pkg)
148A	1-98	Z3A	ZD-55.0 V, 1 W (2/Pkg)
149A	1-98	Z3A	ZD-62.0 V, 1 W (2/Pkg)
150A	1-98	Z3A	ZD-82.0 V, 1 W (2/Pkg)
151A	1-98	Z3A	ZD-110.0 V, 1 W (2/Pkg)
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153	1-41	T41	T-PNP, Si, AF PO
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159MCP	1-41	T16	T-Matched Compl Pair of ECG123AP and ECG159
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164	1-42	T28	T-NPN, Si, Vert Defl
165	1-42	T28	T-NPN, Si, Horiz Defl
166	1-99	Z23	R-Si, Bridge, 100 PRV, 2 A
167	1-99	Z23	R-Si, Bridge, 200 PRV, 2 A
168	1-99	Z23	R-Si, Bridge, 400 PRV, 2 A
169	1-99	Z23	R-Si, Bridge, 600 PRV, 2 A
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172A	1-42	T16	T-NPN, Si, Darlington Amp, AF, Sw
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239	1-116	S8	SCS-Switching, TV Vert Osc
240	1-44	T36	T-PNP, Si, HV AF Amp
241	1-44	T41	T-NPN, Si, AF PO, Sw
242	1-44	T41	T-PNP, Si, AF PO, Sw
243	1-44	T28	T-NPN, Darl 80 V, 8 A, hfe = 3000 (typ)
244	1-44	T28	T-PNP, Darl 80 V, 8 A, hfe = 3000 (typ)
245	1-44	T28	T-NPN, Darl 80 V, 10 A, hfe = 4000 (typ)
246	1-44	T28	T-PNP, Darl 80 V, 10 A, hfe = 4000 (typ)
247	1-44	T28	T-NPN, Darl 100 V, 12 A, hfe = 3500 (typ)
248	1-44	T28	T-PNP, Darl 100 V, 12 A, hfe = 3500 (typ)
249	1-44	T28	T-NPN, Darl 100 V, 16 A, hfe = 3500 (typ)
250	1-44	T28	T-PNP, Darl 100 V, 16 A, hfe = 3500 (typ)
251	1-44	T28	T-NPN, Darl 100 V, 20 A, hfe = 2400 (typ)
252	1-44	T28	T-PNP, Darl 100 V, 20 A, hfe = 2400 (typ)
253	1-44	T45	T-NPN, Darl 80 V, 4 A, hfe = 2000 (typ)
254	1-44	T45	T-PNP, Darl 80 V, 4 A, hfe = 2000 (typ)
255	1-44	T17	T-NPN, Si-Horiz Driver, Amp, Sw
256	1-44	T48	T-NPN, Darl 450 V, 20 A, hfe = 50 (min)
257	1-44	T46	T-NPN, Darl 80 V, 5 A, hfe = 750 (min)
258	1-44	T46	T-PNP, Darl 80 V, 5 A, hfe = 750 (min)
259	1-44	T46	T-NPN, Darl 100 V, 8 A, hfe = 2500 (typ)
260	1-45	T46	T-PNP, Darl 100 V, 8 A, hfe = 2500 (typ)
261	1-45	T41	T-NPN, Darl 80 V, 8 A, hfe = 1000 (min
262	1-45	T41	T-PNP, Darl 80 V, 8 A, hfe = 1000 (min)
263	1-45	T41	T-NPN, Darl 80 V, 10 A, hfe = 1000 (min)
264	1-45	T41	T-PNP, Darl 80 V, 10 A, hfe = 1000 (min)
265	1-45	T38	T-NPN, Darl 50 V, 500 mA, hfe = 10,000 (min)
266	1-45	T38	T-NPN, Darl 50 V, 500 mA, hfe = 40,000 (min)
267	1-45	T38	T-NPN, Darl 30 V, 500 mA, hfe = 90,000 (min)
268	1-45	T38	T-NPN, Darl 50 V, 2 A, hfe = 1000 (min)
269	1-45	T38	T-PNP, Darl 50 V, 2 A, hfe = 1000 (min)
270	1-45	T48	T-NPN, Darl 100 V, 10 A, hfe = 1000 (min)
271	1-45	T48	T-PNP, Darl 100 V, 10 A, hfe = 1000 (min)
272	1-45	T36	T-NPN, Darl 40 V, 2 A, hfe = 25,000 (min)
273	1-45	T36	T-PNP, Darl 40 V, 2 A, hfe = 25,000 (min)
274	1-45	T25	T-NPN, Darl 80 V, 4 A, hfe = 3000 (typ)
275	1-45	T25	T-PNP, Darl 80 V, 4 A, hfe = 3000 (typ)
276	1-109	Z44	SCR-Gate Controlled Switch, TV Horiz Output
277	1-45	T27	T-NPN, Si, TV Horiz Output - Discontinued
278	1-45	T6	T-NPN, Si, Broadband RF Amp, CATV/MATV/COMM
279A	1-109	Z37	SCR-Gate Controlled Switch, Horiz Output
280	1-45	T28	T-NPN, Si, AF PO, Pd 100 W
280MP	1-45	T28	T-NPN, Si, Matched Pair of ECG280
281	1-45	T28	T-PNP, Si, AF PO, Pd 100 W
281MCP	1-45	T28	T-Matched Compl Pair of ECG280 and ECG281
282	1-45	T6	T-NPN, Si, RF Pwr Amp/Sw, Pd 10 W - Discontinued
283	1-45	T28	T-NPN, Si, HV-Hi Current Sw and TV Horiz Output
284	1-45	T28	T-NPN, Si, AF PO, Pd 150 W
284MP	1-45	T28	T-NPN, Si, Matched Pair of ECG284
285	1-45	T28	T-PNP, Si, AF PO, Pd 150 W
285MCP	1-45	T28	T-Matched Compl Pair of ECG284 and ECG285
286	1-45	T25	T-NPN, Si, PO/Sw, TV Horiz Output
287	1-45	T16	T-NPN, Si, HV Gen Purp Amp, Ft = 50 MHz
288	1-45	T16	T-PNP, Si, HV Gen Purp Amp, Ft = 50 MHz
289A	1-45	T16	T-NPN, Si, AF PO, Pd 0.6 W
289AMP	1-45	T16	T-NPN, Si, Matched Pair of ECG289A
290A	1-46	T16	T-PNP, Si, AF PO, Pd 0.6 W
290AMCP	1-46	T16	T-Matched Compl Pair of ECG289A and ECG290A
291	1-46	T41	T-NPN, Si, PO and Sw, Pd 40 W
292	1-46	T41	T-PNP, Si, PO and Sw, Pd 40 W
292MCP	1-46	T41	T-Matched Compl Pair of ECG291 and ECG292
293	1-46	T20	T-NPN, Si, AF PO, Pd .75 W
293MP	1-46	T20	T-NPN, Si, Matched Pair of ECG293
294	1-46	T20	T-PNP, Si, AF PO, Pd .75 W
295	1-46	T45	T-NPN, Si, RF PO, Dr, CB
296	1-46	T38	T-PNP, Si, AF/Video Amp
297	1-46	T20	T-NPN, Si, AF PO, Dr, Pd .75 W
297MP	1-46	T20	T-NPN, Si, Matched Pair of ECG297
298	1-46	T20	T-PNP, Si, AF PO, Dr, Pd .75 W
299	1-46	T38	T-NPN, Si, RF PO, Dr, CB, Pd 4 W
300	1-46	T38	T-NPN, Si, AF PO, Pd 7 W
300MP	1-46	T38	T-NPN, Si, Matched Pair of ECG300
302	1-46	T37	T-NPN, Si, RF PO, Dr, Pd 8 W, CB
303	1-382	AC1	Single Application Heat Sink Compound
304A	1-54	---	Kit-24 Most Popular ECG Transistors
306	1-46	T37	T-NPN, Si, RF PO, Dr, Pd 8 W, CB
307	1-46	T38	T-PNP, Si, AF PO, Pd 7 W
308	1-109	Z42	Integrated Thyristor and Rectifier (ITR)-TV Horiz Defl Commutating, Sw
308P	1-109	Z41	Integrated Thyristor and Rectifier (ITR)-TV Horiz Defl Commutating, Sw
309K	1-156	L11	IC-Regulator, 5 V, 1 Amp
310	1-109	Z42	Integrated Thyristor and Rectifier (ITR)-TV Horiz Defl Trace, Sw
310P	1-109	Z41	Integrated Thyristor and Rectifier (ITR)-TV Horiz Defl Trace, Sw
311	1-46	T6	T-NPN, VHF/UHF Dr/Amp/PO, Pd 5 W
312	1-46	T16	JFET-N-Ch, VHF Amp/Mix
313	1-46	T49	T-NPN, Si, VHF Tuner Amp
314	1-106	Z43	SCR-Si, P-Gate, Pwr Regulator/Sw
315	1-46	T19	T-NPN, Si, RF Dr, CB
316	1-46	T4	T-NPN, Si, Lo Noise, UHF Amp
317	1-46	T58	T-NPN, Si, Final RF PO
318	1-46	T58	T-NPN, Si, Final RF PO
319P	1-46	T16	T-NPN, Si, AGC Cont, TV IF Amp
320	1-46	T55	T-NPN, Si, Final RF PO
320F	1-46	T57	T-NPN, Si, RF PO, VHF Marine & Mobile, 175 MHz, 40 W
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322	1-47	T36	T-NPN, Si, RF Pwr Amp, CB
323	1-47	T6	T-PNP, Si, AF Pwr Amp
324	1-47	T6	T-NPN, Si, AF Pwr Amp
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328	1-47	T28	T-NPN, Si, Pwr Amp, Sw
329	1-47	T6	T-NPN, Si, RF Pwr Amp, CB
330	1-47	T29	T-PNP, Ge, Fast Pwr Sw
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331	1-47	T41	T-NPN, Si, AF PO, Reg, Sw
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332	1-47	T41	T-PNP, Si, AF PO, Reg, Sw
332MCP	1-47	T41	T-Matched Compl Pair of ECG331 and ECG332
333	1-47	T57	T-NPN, Si, RF PO, 14-30 MHz, 60 W
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338F	1-47	T57	T-NPN, Si, RF Dr & PO, FM, SSB, 50 MHz, 20 W
339	1-47	T54	T-NPN, Si, RF PO, 27-50 MHz, 40 W
340	1-47	T20	T-NPN, Si, RF PO, Dr, 136-174 MHz, 600 mW
341	1-47	T7	T-NPN, Si, RF PO, 136-174 MHz, 4 W
342	1-47	T42	T-NPN, Si, RF PO, 136-174 MHz, 7 W
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344	1-47	T59	T-NPN, Si, RF PO, 136-174 MHz, 30 W
345	1-47	T53	T-NPN, Si, RF PO, 136-174 MHz, 30 W
346	1-47	T6	T-NPN, Si, RF Dr & Predriver, 136-174 MHz, 1 W
347	1-48	T51	T-NPN, Si, RF PO, 136-174 MHz, 3 W
348	1-48	T53	T-NPN, Si, RF PO, 136-174 MHz, 4 W
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374	1-48	T45	T-PNP, Si, AF Driver
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377	1-49	T41	T-NPN, Si, Pwr Driver, PO, Sw, Reg
378	1-49	T41	T-PNP, Si, Pwr Driver, PO, Sw, Reg
379	1-49	T41	T-NPN, Si, HV Hi Speed Pwr Sw
380	1-49	T43	T-NPN, Si, AF Pwr Amp
380MP	1-49	T43	T-NPN, Si, Matched Pair of ECG380
381	1-49	T43	T-PNP, Si, AF Pwr Amp
382	1-49	T19	T-NPN, Si, AF Driver
383	1-49	T19	T-PNP, Si, AF Driver
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387	1-49	T28	T-NPN, Si, Pwr Amp, Sw
387MP	1-49	T28	T-NPN, Si, Matched Pair of ECG387
388	1-49	T28	T-NPN, Si, Hi Pwr Amp (Compl to ECG68)
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391	1-49	T48	T-PNP, Si, Pwr Amp, Hi Speed Sw
392	1-49	T48	T-NPN, Si, Pwr Amp, Hi Speed Sw
393	1-49	T48	T-PNP, Si, Pwr Amp, Hi Speed Sw
394	1-49	T48	T-NPN, Si, HV Pwr Amp, Sw
395	1-49	T4	T-PNP, Si, Wide Band VHF/UHF Amp, Osc
396	1-49	T6	T-NPN, Si, Linear Amp & Hi Speed Sw
397	1-49	T6	T-PNP, Si, Linear Amp & Hi Speed Sw
398	1-49	T41	T-PNP, Si, Vert Output
399	1-49	T20	T-NPN, Si, Video Output, Horiz Dr
400	1-383	AH6	Heat Sink for TO-5 Style Package (2/Pkg)
401	1-383	AH7	Heat Sink for TO-5 Style Package (2/Pkg)
402	1-383	AH12	Heat Sink for Plastic Power Packages (2/Pkg)
403	1-383	AH11	Heat Sink for Plastic Power Packages (2/Pkg)
404	1-383	AH9	Heat Sink for TO-66 Style Package - Includes Base, Top Piece, 2 - 6/32 Screws and Nuts
405	1-383	AH10	Heat Sink for TO-3 Style Package - Includes Base, Top Piece, 2 - 6/32 Screws and Nuts
406	1-383	A2	Heat Sink for TO-202 Style Package (2/Pkg)
407	1-386	AS6	8-Pin Can, IC Socket (2/Pkg)
408	1-386	AS7	10-Pin Can, IC Socket (2/Pkg)
409	1-386	AS14	14-Pin DIP, IC Socket (2/Pkg)
410	1-383	AH3	Heat Sink for TO-1 Style Package (2/Pkg)
411	1-383	AH4	Stud-Mount Heat Sink for TO-5 and TO-39 Style Package (2/Pkg)
412	1-383	AH5	Heat Sink for TO-18 Style Package (2/Pkg)
413	1-381	---	Insulator Kit for TO-3 Style Package
414	1-381	---	Insulator Kit for TO-36 Style Package with Flat Washer, Shaker Proof Lug, Nut and Plastic Insulating Tube
415	1-381	---	Insulator Kit for TO-66 Style Package
416	1-386	AS15	16-Pin DIP, IC Socket (2/Pkg)
417	1-386	AS2	3-Pin Transistor Socket for TO-18 Package (2/Pkg)
418	1-386	AS4	4-Pin Transistor Socket for TO-18 Package (2/Pkg) -Discontinued
419	1-386	AS3	3-Pin Transistor Socket for TO-5 Package (2/Pkg)
420	1-386	AS5	4-Pin Transistor Socket for TO-5 Package (2/Pkg) -Discontinued
421	1-386	AS10	Standard Socket for TO-66 Package (2/Pkg)
422	1-381	---	Insulator Kit for TO-220 Style Package
423	1-386	AS13	8-Pin DIP, IC Socket (2/Pkg)
424	1-382	AC2	Heat Sink Compound, 1-oz., with Plunger Tube
426	1-381	---	Metric Hardware Kit of 3mm, Nuts, Bolts, etc.
427	1-383	AH1	Heat Sink Kit for TO-5 and TO-39 Style Packages -Includes Heat Sink, 2 Bushings, 1 Mica
428	1-386	AS19	24-Pin DIP, IC Socket (2/Pkg)
429	1-386	AS20	28-Pin DIP, IC Socket (2/Pkg)
430	1-386	AS21	40-Pin DIP, IC Socket (1/Pkg)
431	1-386	AS11	Japanese Style Socket for TC-9 Package (2/Pkg)
432	1-382	AW1	Thread Converter, 3/8"-24 to 1/2"-20, for Stud Type Packages (2/Pkg)
433	1-382	AW2	HV Splice for CRT Anode Leads, 40 kV Insulation, Does Require Soldering
434	1-382	AC3	Non-Corrosive Adhesive/Sealant, 2-oz., Squeeze Tube
435P6	1-386	AS12	6-Pin DIP, IC Socket (2/Pkg)
435P18	1-386	AS16	18-Pin DIP, IC Socket (2/Pkg)
435P20	1-386	AS17	20-Pin DIP, IC Socket (2/Pkg)
435P22	1-386	AS18	22-Pin DIP, IC Socket (2/Pkg)
435Q14	1-387	AS22	14-Pin DIP, IC Socket for PC Board with Staggered Holes (2/Pkg)
435Q16	1-387	AS23	16-Pin DIP, IC Socket for PC Board with Staggered Holes (2/Pkg)
436W8	1-387	AS24	8-Pin DIP, IC Socket, Wire Wrap Leads (2/Pkg)
436W14	1-387	AS25	14-Pin DIP, IC Socket, Wire Wrap Leads (2/Pkg)
436W16	1-387	AS26	16-Pin DIP, IC Socket, Wire Wrap Leads (2/Pkg)
436W18	1-387	AS27	18-Pin DIP, IC Socket, Wire Wrap Leads (2/Pkg)
436W20	1-387	AS28	20-Pin DIP, IC Socket, Wire Wrap Leads (1/Pkg)
436W22	1-387	AS29	22-Pin DIP, IC Socket, Wire Wrap Leads (1/Pkg)
436W24	1-387	AS30	24-Pin DIP, IC Socket, Wire Wrap Leads (1/Pkg)
436W28	1-387	AS31	28-Pin DIP, IC Socket, Wire Wrap Leads (1/Pkg)
436W40	1-387	AS32	40-Pin DIP, IC Socket, Wire Wrap Leads (1/Pkg)
437X18	1-387	AS33	Crystal Socket for HC-18 Case with .017" Diameter Cut Leads
437X33	1-387	AS34	Crystal Socket for HC-33 Case with .030" Diameter Cut Leads
438	1-381	---	Insulator Kit for DO-4 and TO-64 Stud Package with Flat Washer, Solder Lug and Hex Nut
439	1-381	---	Insulator Kit for DO-5 and TO-48 Stud Package with Flat Washer, Lock Washer, Solder Lug and Hex Nut
440A	1-384	AH13	Heat Sink Undrilled Mounting Surface
440B	1-384	AH13	Heat Sink, Drilled for TO-3, TO-48, TO-66, TO-126, TO-127, TO-220, DO-5
440C	1-384	AH13	Heat Sink, Drilled for TO-3, TO-15, TO-6, TO-36, TO-64, DO-4
440D	1-384	AH13-1	Heat Sink, Undrilled Mounting Surface
441A	1-384	AH14	Heat Sink, Drilled for Solid-State Relays
441B	1-384	AH14	Heat Sink, Undrilled Mounting Surface
442A	1-384	AH15	Heat Sink, Undrilled Mounting Surface, for PCB Mounting
442B	1-384	AH15-1	Heat Sink, Undrilled Mounting Surface, for PCB Mounting
442C	1-384	AH16	Heat Sink, Undrilled Mounting Surface, for PCB Mounting
443	1-384	AH17	Heat Sink, Undrilled Mounting Surface, for PCB Mounting
444	1-384	AH18	Heat Sink, Undrilled Mounting Surface, for Stud Mounted Devices
445	1-383	AH8	Heat Sink, for TO-92 Style (2/Pkg)
446A	1-384	AH19	Heat Sink, for 1.65" and 2.29" Hockey Puck Packages (2 Required)
446C	1-385	AH20	Heat Sink, for 2.90" Hockey Puck Packages (2 Required)
447A	1-385	AH21	Heat Sink Clamp Assembly for 446A
447B	1-385	AH21	Heat Sink Clamp Assembly for 446A
447C	1-385	AH22	Heat Sink Clamp Assembly for 446C
448B	1-385	AH23	Heat Sink, for 14/16-Pin DIP (2/Pkg)
448E	1-385	AH24	Heat Sink, for 24-Pin DIP (2/Pkg)
448G	1-385	AH25	Heat Sink, for 40-Pin DIP (2/Pkg)
449	1-382	AW3	Mounting Clip for TO-220 Case Style (2/Pkg)
●449A	1-382	AW3-1	Mounting Clip for TO-126, SOT-82 Case Styles (2/Pkg)
450A	1-385	AH26	Heat Sink for ECG740A, ECG804, ECG810A, ECG862, ECG990
451	1-49	T16	JFET-N-Ch, UHF/VHF Amp
452	1-49	T4	JFET-N-Ch, UHF/VHF Amp
453	1-49	T14	JFET-N-Ch, VHF/FM Amp
454	1-49	T4	MOSFET-Dual Gate, N-Ch, UHF/VHF Amp
455	1-49	T49-1	MOSFET-Dual Gate, N-Ch, TV UHF RF Amp
456	1-49	T4	JFET-N-Ch, Gen Purp Amp/Sw

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459	1-49	T4	JFET-N-Ch, AF Amp/Chopper/Sw
460	1-49	T4	JFET-P-Ch, AF Amp
461	1-49	T3	JFET-Matched Dual, N-Ch, DC Amp/Sampler/ Chopper
462	1-49	T2	MOSFET-N-Ch, AF Amp
463	1-49	T10	MOSFET-Dual, P-Ch, Enhancement, Sw/DC Amp
464	1-49	T4	MOSFET-P-Ch, Enhancement, Sw
465	1-49	T4	MOSFET-N-Ch, Enhancement, Sw
466	1-49	T2	JFET-N-Ch, Chopper/Sw
467	1-49	T16	JFET-N-Ch, Chopper/Fast Sw
470	1-49	T58	T-NPN, Si, RF Pwr, Amateur & Marine, 30 MHz, 100 W
471	1-49	T58	T-NPN, Si, RF Pwr, Amateur & Marine, 30 MHz, 100 W
472	1-49	T6	T-NPN, Si, RF Dr & PO, Hi Band VHF, FM, 175 MHz, 1.8 W
473	1-49	T6	T-NPN, Si, RF Dr & PO, Hi Band VHF, FM, 175 MHz, 2.2 W
474	1-50	T40	T-NPN, Si, RF PO, Lo-Hi Band, 88 MHz, 6 W, 175 MHz, 3 W
475	1-50	T56	T-NPN, Si, Hi Band PO, Marine & Mobile, 175 MHz, 7 W
476	1-50	T56	T-NPN, Si, Hi Band PO, Marine & Mobile, 175 MHz, 12 W
477	1-50	T60	T-NPN, Si, RF PO, Marine & Mobile VHF, 175 MHz, 45 W
478	1-50	T60	T-NPN, Si, RF PO, Marine & Mobile VHF, 175 MHz, 100 W
479	1-50	T6	T-NPN, Si, UHF Dr & PO, 470 MHz, 1.8 W
480	1-50	T60	T-NPN, Si, UHF PO, FM, 470 MHz, 40 W
481	1-50	T61	T-NPN, Si, UHF PO, FM, 836 MHz, 6 W
482	1-50	T63	T-NPN, Si, UHF PO, FM, 836 MHz, 15 W
483	1-50	T61	T-NPN, Si, UHF PO, FM, 836 MHz, 18 W
484	1-50	T61	T-NPN, Si, UHF PO, FM, 836 MHz, 25 W
485	1-50	T62	T-NPN, Si, UHF PO, FM, 836 MHz, 25 W
486	1-50	T6	T-NPN, Si, RF PO, UHF Multiplier, 407-512 MHz, .75 W
487	1-50	T8	T-NPN, Si, RF PO, Hi Band VHF Multiplier, 175 MHz, 1 W
488	1-50	T9	T-NPN, Si, RF Dr & PO, Hi Band VHF, 175 MHz, 4 W
500A	1-84	H3	R-6 Step Silicon Tripler with Focus Tap
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503	1-91	H41	R-Se, TV HV, 14.4 k PRV
504	1-91	H42	R-Se, TV HV, 19.5 k PRV
505	1-91	H43	R-Se, TV HV, 21.4 k PRV
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507	1-93	Z6	R-Si, Hi Current/Fast Sw, Center, Gate
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509/ R-3AT2	1-91	H35	R-Si, Replaces TV HV Rect Tube
510/ R-3DB3	1-91	H35	R-Si, Replaces TV HV Rect Tube
511/ R-2AV2	1-91	H36	R-Si, Replaces TV Focus Rect Tube
512/ R-6DW4	1-91	H37	R-Si, Replaces TV Damper Tube
513	1-92	H44	R-Si, Stick, TV HV, 45 k PIV
514/ R-3DS3	1-91	H35	R-Si, Replaces TV HV Rect Tube
515	1-93	Z10	D-Trace Commutating and Clamp Diode
518	1-92	H45	R-Si, Fast Switching, 10,000 PRV
519	1-93	Z4	D-Si, Fast Switching, 4 nanosec, 100 PRV
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527A	1-92	H47	R-Si, Stick, TV HV (35 kV PRV)
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529	1-84	H10	R-5 Step Silicon Tripler with Damper Diode - Internal Focus Divider Network
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532	1-84	H7	R-6 Step Silicon Tripler with Resistor to Focus Tap
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535	1-84	H11	R-5 Step Silicon Tripler with Damper Diode and Bleeder Resistor
536A	1-84	H8	R-8 Step Silicon Quadrupler with Focus Tap
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1585	1-261	L114	IC-VCR Video/Sync Amp/AGC/FM Mod/Limiter
1586	1-262	L153	IC-VCR Tape Sensing/Mute/Rotation
1587	1-262	L122A	IC-Horiz/Vert/Osc/Sync/Dr
1588	1-262	L153	IC-VCR Drum Servo Control/Sync/Delay
1589	1-262	L124	IC-TV Chroma/Video Amp/Demod
1590	1-263	L153	IC-VCR Drum/Capstan Servo Control/Phase
1591	1-263	L124	IC-VCR Capstan Phase Control
1592	1-263	L153	IC-VCR Auto Phase/Freq Det/Osc and Mixer
1593	1-263	L111	IC-TV VIR Signal Processor
1594	1-264	L153	IC-VCR Playback/Chroma/Burst Amp
1595	1-264	L118	IC-VCR FM Limiter/Sync Sep/Video Amp
1596	1-264	L153	IC-VCR Freq Demod/Video Chroma Amp
1597	1-265	L114	IC-TV Chroma Amp/VCO/Burst/Buffer Amp
1598	1-265	L153	IC-VCR Head Amp/Limiter/Dropout Comp
1599	1-265	L152	IC-VCR Chroma Processor/Mod
1600	1-266	L114	IC-VCR 3-Phase Speed Control/Forward/Reverse
1601	1-266	L153	IC-VCR Video Sw/Sync Sep/AGC/FM Mod
1602	1-266	L92	IC-19 W AF PO, $V_{CC}=13.2$ V, $R_L=4\ \Omega$
1603	1-266	L96A	IC-VCR Electronic Sw
1604	1-266	L46	IC-IF/Det/Preamp/Meter Dr/Mute
1605	1-267	L153	IC-VIF, VID Amp/AGC/Det/Audio Det
1606	1-267	L92	IC-Dual 4.3 W/Ch AF PO, $V_{CC}=12$ VDC, $R_L=4\Omega$
1607	1-267	L41	IC-VIF/Det/Vid Amp/AGC
1608	1-267	L118	IC-AM RF Amp/IF/Osc for Electronic Tuner
1609	1-267	L31A	IC-VCR Instrumentation Timer
1610	1-267	L41	IC-TV VIF, Vid Amp/Det/AGC
1611	1-268	L111	IC-VCR Vid and FM Sound Mod/Carrier Osc
1612	1-268	L40	IC-700 mW AF PO, for Battery Use, $V_{CC}=6$ V, $R_L=8\ \Omega$
1613	1-268	L122A	IC-VCR Cylinder Motor Dr/Control
1614	1-268	L104	IC-TV UHF/VHF Tuner Prescaler - Discontinued
1615	1-268	L41	IC-TV B/W Tuner Band Sw
1616	1-268	L104	IC-TV Sound IF Amp/Det/Dr
1617	1-269	L124B	IC-TV Vid and Chroma Processor/Demod
1618	1-269	L41	IC-TV Vid IF Amp and AGC
1619	1-269	L55	IC-Dual 4.5 W/Channel AF PO
● 1620	1-269	L41	IC-Video IF/AGC for B & W TV
1621	1-269	L122	IC-VCR Recording Vid Proc/AGC/FM Mod
1622	1-269	L154	IC-VCR Vid Amp/FM Demod
1623	1-269	L111	IC-VCR Carrier Osc/FM Demod
1624	1-269	L111	IC-AM/FM IF/Det/AGC/AM Osc
1625	1-270	L41	IC-VCR Tuner Bandswitch/Tuning
1626	1-270	L57	IC-Dual 4.2 W/Channel AF PO, $V_{CC}=12$ V, $R_L=4\ \Omega$
1627	1-270	L40	IC-.55 W (typ) AF PO, $V_{CC}=6$ V, $R_L=8\ \Omega$
1628	1-270	L80	IC-VCR Loading and Bidirectional Motor Drive
● 1629	1-270	L41	IC-Sync Sep/Phase Det/Horiz Osc/Driver/X-Ray Prot
● 1630	1-270	L122A	IC-VCR 3 Phase Capstan Motor Drive/PG/FG/Motor Lock Det
● 1631	1-271	L47A	IC-FM Stereo Demod/Soft Muting/Pop Noise Reduction
● 1632	1-271	L115	IC-Horiz/Vert/Osc/Sync/Driver
● 1633	1-271	L118A	IC-TV Sound IF/Tone/Vol/FM Det/Limiter/Preamp/PO
1634	1-271	L104	IC-Dual Channel AF Preamp
1635	1-271	L35A	IC-Spkr Protect/Voltage/Temp/Overload
1636	1-272	L121	IC-VCR Phase/Still Control
1637	1-272	L58	IC-Dual 4.2 W/Channel AF PO, −9 W Bridge
1638	1-272	L57	IC-6.5 W (typ) AF PO, $V_{CC}=12$ V, $R_L=8\ \Omega$
1639	1-272	L97	IC-Clock Generator/Dr for BBDs
1640	1-272	L104	IC-Audio Sig Delay/Dual 512 Stage BBD
1641	1-272	L97	IC-Audio Sig Delay/1024 Stage Lo Noise BBD
1648	1-273	L97	IC-Telephone Tone Ringer
1649	1-273	L97	IC-Telephone Tone Ringer
1650	1-273	L124	IC-TV Vid, Chroma Amp/Demod/Color Osc
1651	1-273	L111	IC-Recorder Dual Preamp/w ALC Det Muting
1652	1-274	L111	IC-TV Audio Limiter/Amp, Demod and Tone
1653	1-274	L124B	IC-TV VIF/SIF Amp Det, Fwd AGC, AFT
1654	1-274	L111	IC-AM/FM IF System/Osc/Det
1655	1-275	L111	IC-TV Stereo Decoder
1656	1-274	L124B	IC-TV VIF/SIF Amp Det, Rev AGC, AFT
1657	1-275	L39	IC-FM Stereo PLL Multiplexer
1658	1-275	L36	IC-TV Tuner Band Selector
1659	1-275	L35	IC-Dual AF Preamp
● 1660	1-276	L34	IC-AF Preamp, $V_{CC}=9$ V, $V_G=53$ dB
● 1661	1-276	L150A	IC-TV Horiz/Vert Processor/Vert Out
● 1662	1-276	L111	IC-TV/FM Channel Selector Controller
● 1663	1-276	L151	IC-TV SIF Amp/Det/Vol Cntrl/AF PO
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● 1665	1-277	L126	IC-TV Chroma/Vid Amp/Demod/RGB, APC, ACC
● 1666	1-277	L34	IC-Lo Noise Preamp, $V_{CC}=\pm 22.5$ V, $V_G=82$ dB
● 1667	1-277	L136	IC-Dual AF PO 2.3 W, Bridge (BTL) 4.7 W, $V_{CC}=9$ V, $R_L=8\ \Omega$
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● 1675	1-279	L119A	IC-Dual AF PO, 8.5 W, $V_{CC}=15$ V, $R_L=3\ \Omega$
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● 1679	1-279	L104	IC-VCR D/A Converter/Comparator
● 1680	1-280	L25	IC-Diode Array, Common Anode
● 1681	1-280	L93A	IC-Hi Current Switching Regulator
● 1682	1-280	L41	IC-Preamp for IR Remote Control
● 1683	1-280	L115	IC-TV Horiz/Vert Processor
● 1684	1-280	L76	IC-TV Vertical Deflection
● 1685	1-280	L88	IC-Dual AF PO, 3.5 W, $V_{CC}=16$ V, $R_L=8\ \Omega$
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● 1691	1-281	L115	IC-Pulse Dialer/w Redial (CMOS)
● 1692	1-281	L115	IC-Pulse Dialer/w Redial/Tone Signal Out (CMOS)
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● 1769	1-290	L1B	IC-RF/IF/VHF Hybrid Amp, BW = 400 MHz, $V_D = 5$ V
● 1770	1-290	L1B	IC-RF/IF/VHF Hybrid Amp, BW = 600 MHz, $V_D = 3.2$ V
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1901	1-291	L16	IC-Neg VR, 3 Terminal, Adjustable, −1.2 to −37 V, 100 mA
1902	1-291	L16	IC-Pos VR, 3 Terminal, 9 V, 100 mA
1903	1-291	L16	IC-Neg VR, 3 Terminal, −12 V, 100 mA
1905	1-291	L16	IC-Neg VR, 3 Terminal, −15 V, 100 mA
1906	1-291	L16	IC-Pos VR, 3 Terminal, 18 V, 100 mA
1907	1-291	L16	IC-Neg VR, 3 Terminal, −18 V, 100 mA
1908	1-291	L16	IC-Pos VR, 3 Terminal, 24 V, 100 mA
1909	1-291	L16	IC-Neg VR, 3 Terminal, −24 V, 100 mA
1911	1-292	L11	IC-Neg VR, 3 Terminal, Adjustable, −1.2 to −37 V, 1.5 A
1912	1-292	L11	IC-Pos VR, 3 Terminal, 12 V, 3 A
1913	1-292	L11	IC-Neg VR, 3 Terminal, −5 V, 1.5 A
1914	1-292	L11	IC-Pos VR, 3 Terminal, 12 V, 1.5 A
1915	1-292	L11	IC-Neg VR, 3 Terminal, −12 V, 1.5 A
1916	1-292	L11	IC-Pos VR, 3 Terminal, 15 V, 1.5 A
1917	1-291	L16	IC-Neg VR, 3 Terminal, −5 V, 100 mA
1918	1-292	L11	IC-Pos VR, 3 Terminal, 15 V, 3 A
1919	1-292	L11	IC-Neg VR, 3 Terminal, −15 V, 1.5 A
1920	1-292	L11	IC-Pos VR, 3 Terminal, 18 V, 1.5 A
1923	1-292	L11	IC-Neg VR, 3 Terminal, −18 V, 1.5 A
1924	1-292	L11	IC-Pos VR, 3 Terminal, 24 V, 1.5 A
1925	1-292	L11	IC-Neg VR, 3 Terminal, −24 V, 1.5 A
1926	1-292	L11B	IC-Pos VR, 4 Terminal, Adjustable, 5 to 30 V, 1 A
1927	1-292	L11B	IC-Neg VR, 4 Terminal, Adjustable, −2.2 to −30 V, 1 A
1928	1-293	L3	IC-Pos VR, Adjustable, 4.5 to 30 V, 12 mA
1930	1-293	L98	IC-Pos VR, Adjustable, 5 to 37 V, 25 mA
1932	1-179	L17	IC-Pos VR, 10 V, 1 A
1934	1-293	L17A	IC-Pos VR, 3 Terminal, 5 V, 2 A
1936	1-293	L17A	IC-Pos VR, 3 Terminal, 12 V, 2 A
1938	1-293	L17A	IC-Pos VR, 3 Terminal, 15 V, 2 A
1940	1-293	L17A	IC-Pos VR, 3 Terminal, 24 V, 2 A
● 1941	1-293	L97	IC-±15 V Dual Tracking VR
2000	---	---	IC-Dolby Circuit
2001	---	---	IC-Dolby Circuit
2002	---	---	IC-Dolby Circuit
2003	---	---	IC-Dolby Circuit
2004	---	---	IC-Dolby Circuit
2011	1-370	D8	IC-7 Channel MOS/TTL Input Driver
2012	1-370	D8	IC-7 Channel PMOS Input Driver
2013	1-370	D8	IC-7 Channel CMOS/TTL Input Driver
2014	1-370	D8	IC-7 Channel CMOS/PMOS Input Driver
2015	1-370	D8	IC-7 Channel CMOS/TTL Input Driver
2016	1-370	D10	IC-8 Channel MOS/TTL Input Driver
2017	1-370	D10	IC-8 Channel PMOS Input Driver
2018	1-370	D10	IC-8 Channel CMOS/TTL Input Driver
2019	1-370	D10	IC-8 Channel CMOS/PMOS Input Driver
2020	1-370	D10	IC-8 Channel CMOS/TTL Input Driver
2021	1-370	D10	IC-8 Digit/Segment Display Driver
2022	1-370	D10	IC-8 Digit/Segment Display Driver
2023	1-370	D8	IC-7 Segment Display Driver
2024	1-370	D15	IC-2 Digit BCD-to-Seven-Segment Decoder Driver
2025	1-370	D6	IC-Quad HV Display Driver for Gas Discharge Displays
2026	1-370	D8	IC-Hex HV Display Driver for Gas Discharge Displays
2027	1-370	D6	IC-Hex HV Digit Driver, MOS Compatible
2028	1-370	D8	IC-Seven-Segment HV Decoder/Driver for Gas Filled Displays
2029	1-370	D8	IC-HV Digit Driver for Gas Discharge Displays
2030	1-370	D10	IC-HV Segment Driver for Gas Discharge Displays
2031	1-371	D8	IC-HV Digit Driver for Gas Discharge Displays
2032	1-371	D8	IC-BCD-to-Seven-Segment Decoder/Driver with Constant Current Outputs
2040	1-294	L104	IC-7 Stage Freq Divider
2041	1-294	L97	IC-Organ Digital Noise Generator - Discontinued
2042	1-294	L112	IC-PMOS, Organ Top Octave Generator - Discontinued
2043	1-294	L112	IC-PMOS, Organ Top Octave Generator
2045	1-294	L111	IC-TV Camera Sync Generator
2046	1-294	L97	IC-CMOS 60 Hz Time Base Generator
2047	1-294	L112	IC-CMOS, FSK Modem 0-600 Baud
● 2049	1-294	L125	IC-CMOS, Lo Power, 3½ Digit A/D Converter for LCD Displays
2050	1-294	L125	IC-CMOS, Single Chip 3½ Digit Analog to Digital Converter for LED Display
2051	1-294	L125	IC-CMOS, Single Chip 3½ Digit Analog to Digital Converter for LCD Display
2052	1-294	L124A	IC-CMOS, 3½ Digit Analog to Digital Converter with Multiplexed Seven-Segment Output
2053	1-294	L118A	IC-CMOS, 8-Bit MPU Compatible Analog to Digital Converter
2054	1-294	L112	IC-3 Digit Analog to Digital Subsystem
2055	1-295	L122	IC-CMOS, 3½ Digit Analog to Digital Converter
2056	1-375	D9	IC-Digital to Analog Converter
2060	1-295	L125	IC-PMOS, Digital Alarm Clock Ckt for LED Display
2061	1-295	L125	IC-PMOS, Digital Alarm Clock Ckt for Vacuum Fluorescent Display - Discontinued
● 2062	1-295	L124	IC-4-Mode Digital Alarm Clock for LED Display
2070	1-371	D10	IC-Transistor Array, 7-Unit 150 mA with Clamp Diode and Strobe
2071	1-371	D10	IC-Transistor Array, 7-Unit 150 mA with Clamp Diode and Strobe
2072	1-371	D8	IC-Transistor Array, 6-Unit 320 mA with Clamp Diode and Strobe
2073	1-371	D8	IC-Transistor Array, 6-Unit 320 mA with Clamp Diode and Strobe
2074	1-370	D8	IC-Darlington Array, 7-Unit 400 mA with Clamp Diode
2075	1-371	D6	IC-Transistor Array, 5-Unit 320 mA with Strobe
2076	1-370	D8	IC-Darlington Array, 7-Unit 150 mA with Clamp Diode
2077	1-371	D6	IC-Transistor Array, 6-Unit 150 mA with Clamp Diode
2078	1-371	D6	IC-Darlington Array, 5-Unit 500 mA
2079	1-371	D8	IC-Darlington Array, 7-Unit 400 mA
2080	1-371	D10	IC-Transistor Array, 7-Unit 400 mA with Strobe
2081	1-370	D8	IC-Transistor Array, 7-Unit 100 mA Drivers
2082	1-371	D7	IC-Darlington Array, 6-Unit 100 mA
2083	1-371	D7	IC-Darlington Array, 6-Unit 150 mA
2084	1-371	D7	IC-Darlington Array, 5-Unit 150 mA
2085	1-371	D8	IC-Darlington Array, 4-Unit 1.5 A
2086	1-371	D8	IC-Darlington Array, 4-Unit 1.5 A
2087	1-371	D8	IC-Darlington Array, 4-Unit 1.5 A with Pre-Driver Stage
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2104	1-375	D8	IC-MOS, Dynamic 4K RAM, 200 nsecs Access Time
2107	1-375	D13	IC-MOS Dynamic 4K RAM, 200 nsecs Access Time
2114	1-375	D10	IC-MOS, Static 4K RAM, 300 nsecs Access Time
2117	1-375	D8	IC-MOS, Dynamic 16K RAM, 200 nsecs Access Time
2128	1-375	D15	IC-NMOS, Static 16K RAM, 150 nsecs Access Time
2147	1-375	D10	IC-MOS, Static 4K RAM, 55 nsecs Access Time
2164	1-375	D8	IC-NMOS, 64K DRAM, 150 nsecs Access Time*
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2201	1-295	L124	IC-HMOS TV Tuner Microprocessor
2202	1-295	L124	IC-HMOS TV Tuner Microprocessor
2203	1-295	L115	IC-PMOS EAROM for TV Tuners
2204	1-295	L124	IC-HMOS TV Tuner Microprocessor
2205	1-295	L124	IC-HMOS TV Tuner Microprocessor
2206	1-295	L124	IC-HMOS TV Tuner Microprocessor
2207	1-295	L115	IC-CMOS Digital Clock for 4-Bit MPU
2300	1-50	T48	T-NPN, Si, HV, Horiz Output, Sw
2301	1-50	T48	T-NPN, Si, HV, Horiz Output, Sw
2302	1-50	T48-1	T-NPN, Si, Horiz Out with Damper Diode
2303	1-50	T41	T-NPN, Si, HV, Horiz Output, Sw
2304	1-50	T48-1	T-NPN, Si, Hi Speed Sw, Amp (Compl to ECG2314)
2305	1-50	T48	T-NPN, Si, Pwr Amp, Sw (Compl to ECG2306)
2306	1-50	T48	T-PNP, Si, Pwr Amp, Sw (Compl to ECG2305)
2307	1-50	T48-1	T-NPN, Si, Hi Gain Amp, Series Pass
2308	1-50	T48-1	T-NPN, Si, Hi Speed Sw, Series Pass
2309	1-50	T48-1	T-NPN, Si, HV, Hi Speed Sw
2310	1-50	T48	T-NPN, Si, HV, Hi Speed Sw
2311	1-50	T48	T-NPN, Si, HV, Hi Speed Sw, Hi Current
●2312	1-51	T41	T-NPN, Si, HV, Hi Speed Sw
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●2314	1-51	T48-1	T-PNP, Si, Hi Speed Sw, Amp (Compl to ECG2304)
2315	1-51	T41	T-NPN, Darlington 400 V, 8 A with Damper Diode
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4514B	1-324	D14	IC-CMOS 4-Bit Latch/4-to-16-Line Decoder
4515B	1-324	D14	IC-CMOS 4-Bit Latch/4-to-16-Line Decoder
4516B	1-324	D8	IC-CMOS Presettable Up/Down Counter
4517B	1-324	D8	IC-CMOS Dual 64-Bit Static Shift Register
4518B	1-324	D8	IC-CMOS Dual BCD Up Counter
4520B	1-324	D8	IC-CMOS Dual Binary Up Counter
4521B	1-324	D8	IC-CMOS 24-Stage Frequency Divider
4522B	1-324	D8	IC-CMOS BCD-Programmable Divide-By-'N', 4-Bit Counter
4526B	1-325	D8	IC-CMOS Programmable Divide-By-'N', 4-Bit Binary Counter
4527B	1-325	D8	IC-CMOS BCD Multiplier
4528B	1-325	D8	IC-CMOS Dual Monostable Multivibrator
4529B	1-325	D8	IC-CMOS Single 8-Channel or Dual 4-Channel Analog Data Selector
4531B	1-325	D8	IC-CMOS 12-Bit Parity Tree
4532B	1-325	D8	IC-CMOS 8-Bit Priority Encoder
4536B	1-325	D8	IC-CMOS Programmable Timer
4539B	1-325	D8	IC-CMOS Dual 4-Channel Digital Mxr
4541B	1-325	D6	IC-CMOS Programmable Oscillator/Timer
4543B	1-325	D8	IC-CMOS BCD to 7-Segment Latch/Decoder/Driver for LCD
4547B	1-325	D8	IC-CMOS BCD to 7-Segment Latch/ Decoder/Driver, Hi Current
4551B	1-326	D8	IC-CMOS Quad 2-Input Analog Multiplexer/ Demultiplexer
4553B	1-326	S8	IC-CMOS 3-Digit BCD Counter
4555B	1-326	D8	IC-CMOS Dual Binary to 1-of-4 Decoder/ Demultiplexer (High-on-Select)
4556B	1-326	D8	IC-CMOS Dual Binary to 1-of-4 Decoder/ Demultiplexer (Low-on-Select)
4558B	1-326	D8	IC-CMOS BCD-to-7-Segment Decoder
4562B	1-326	D6	IC-CMOS 128-Bit Static Shift Register
4566B	1-326	D8	IC-CMOS Industrial Time Base Generator
4568B	1-326	D8	IC-CMOS Phase Comparator and Programmable Counter
4569B	1-326	D8	IC-CMOS Programmable Divide-By-'N' Dual 4-Bit BCD/Binary Counter
4582B	1-326	D8	IC-CMOS Look-Ahead Carry Block (Use ECG40182 for replacement)
4583B	1-327	D8	IC-CMOS Dual Schmitt Trigger
4585B	1-327	D8	IC-CMOS 4-Bit Magnitude Comparator
4597B	1-327	D8	IC-CMOS 8-Bit Bus Compatible 3-State Latch with Internal Counter
4598B	1-327	D11	IC-CMOS 8-Bit Bus Compatible 3-State Latch with Binary Address Decoder
4900	1-118	S14	D-Surge Clamping, Overvoltage Transient Suppressor, 5.0 V_R
4901	1-118	S14	D-Bidirectional Surge Clamping, Overvoltage Transient Suppressor, 3.5 V_{AC} RMS
4902	1-118	S14	D-Surge Clamping, Overvoltage Transient Suppressor, 5.8 V_R
4903	1-118	S14	D-Bidirectional Surge Clamping, Overvoltage Transient Suppressor, 4.0 V_{AC} RMS
4918	1-118	S14	D-Surge Clamping, Overvoltage Transient Suppressor, 11.1 V_R
4919	1-118	S14	D-Bidirectional Surge Clamping, Overvoltage Transient Suppressor, 7.8 V_{AC} RMS
4926	1-118	S14	D-Surge Clamping, Overvoltage Transient Suppressor, 15.3 V_R
4927	1-118	S14	D-Bidirectional Surge Clamping, Overvoltage Transient Suppressor, 10.8 V_{AC} RMS
4928	1-118	S14	D-Surge Clamping, Overvoltage Transient Suppressor, 17.1 V_R
4929	1-118	S14	D-Bidirectional Surge Clamping, Overvoltage Transient Suppressor, 12.0 V_{AC} RMS
4934	1-118	S14	D-Surge Clamping, Overvoltage Transient Suppressor, 23.1 V_R
4935	1-118	S14	D-Bidirectional Surge Clamping, Overvoltage Transient Suppressor, 16.0 V_{AC} RMS
4950	1-118	S14	D-Surge Clamping, Overvoltage Transient Suppressor, 43.6 V_R
4951	1-118	S14	D-Bidirectional Surge Clamping, Overvoltage Transient Suppressor, 30.0 V_{AC} RMS
4958	1-118	S14	D-Surge Clamping, Overvoltage Transient Suppressor, 58.1 V_R
4959	1-118	S14	D-Bidirectional Surge Clamping, Overvoltage Transient Suppressor, 41.0 V_{AC} RMS
4988	1-118	S14	D-Surge Clamping, Overvoltage Transient Suppressor, 171.0 V_R
4989	1-118	S14	D-Bidirectional Surge Clamping, Overvoltage Transient Suppressor, 121.0 V_{AC} RMS
5000A thru 5010A	1-98	Z3A	ZD-2.4 thru 5.1 V, 0.5 W, 5% Tolerance (2/Pkg)
5010T1	1-98	Z4	ZD-5.1 V, 0.5 W, 1% Tolerance
5011A	1-98	Z3A	ZD-5.6 V, 0.5 W, 5% Tolerance (2/Pkg)
5011T1	1-98	Z4	ZD-5.6 V, 0.5 W, 1% Tolerance
5012A	1-98	Z3A	ZD-6.0 V, 0.5 W, 5% Tolerance (2/Pkg)
5013A	1-98	Z3A	ZD-6.2 V, 0.5 W, 5% Tolerance (2/Pkg)
5013T1	1-98	Z4	ZD-6.2 V, 0.5 W, 1% Tolerance
5014A thru 5019A	1-98	Z3A	ZD-6.8 V thru 10 V, 0.5 W, 5% Tolerance (2/Pkg)
5019T1	1-98	Z4	ZD-10 V, 0.5 W, 1% Tolerance
5020A	1-98	Z3A	ZD-11 V, 0.5 W, 5% Tolerance (2/Pkg)
5021A	1-98	Z3A	ZD-12 V, 0.5 W, 5% Tolerance (2/Pkg)
5021T1	1-98	Z4	ZD-12 V, 0.5 W, 1% Tolerance
5022A thru 5060A	1-98	Z3A	ZD-13 V thru 200.0 V, 0.5 W, 5% Tolerance (2/Pkg)
5063A thru 5105A	1-98	Z3A	ZD-2.7 thru 200.0 V, 1 W, 5% Tolerance (2/Pkg)
5107T2	1-98	Z3A	123 V, .5 W, 2% Tolerance
5111A thru 5166A	1-98	Z18	ZD-3.3 thru 200.0 V, 5 W, 5% Tolerance
5172A thru 5232A	1-98	Z19	ZD-3.3 thru 200.0 V, 10 W, 5% Tolerance
5172AK thru 5232AK	1-98	Z19	ZD-3.3 thru 200.0 V, 10 W, 5% Tolerance, Cathode Connected to Stud
5240A thru 5296A	1-98	Z20	ZD-3.9 thru 200.0 V, 50 W, 5% Tolerance
5240AK thru 5296AK	1-98	Z20	ZD-3.9 thru 200.0 V, 50 W, 5% Tolerance, Cathode Connected to Stud
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5305	1-99	Z22	R-Si, Bridge, 600 PRV, 1.5 A
5306	1-99	Z22	R-Si, Bridge, 800 PRV, 1.5 A
5307	1-99	Z22	R-Si, Bridge, 1000 PRV, 1.5 A
5309	1-99	Z23-1	R-Si, Bridge, 200 PRV, 4 A
5310	1-99	Z23-1	R-Si, Bridge, 600 PRV, 4 A
5311	1-99	Z23-1	R-Si, Bridge, 1000 PRV, 4 A
5312	1-99	Z24	R-Si, Bridge, 100 PRV, 8 A
5313	1-99	Z24	R-Si, Bridge, 200 PRV, 8 A
5314	1-99	Z24	R-Si, Bridge, 400 PRV, 8 A
5315	1-99	Z24	R-Si, Bridge, 600 PRV, 8 A
5316	1-99	Z24	R-Si, Bridge, 800 PRV, 8 A
5317	1-99	Z24	R-Si, Bridge, 1000 PRV, 8 A
●5318	1-99	Z68A	R-Si, Bridge, 200 PRV, 4A
●5319	1-99	Z68A	R-Si, Bridge, 600 PRV, 4 A
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5344	1-99	Z25	R-Si, Bridge, 1000 PRV, 40 A
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5438	1-105	Z41	SCR-600 VRM, 8.0 A
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5828	1-102	Z28	R-800 PRV, 50 A, Cath Case, Press Fit
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5893	1-101	Z19	R-50 PRV, 16 A, Anode Case
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5904	1-101	Z19	R-600 PRV, 16 A, Cath Case
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5908	1-101	Z19	R-800 PRV, 16 A, Cath Case
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8266	1-366	D6	IC-Digital, Quad 2-Line-to-1-Line 4-Bit Multiplexer
8301	1-366	D8	IC-Digital, 4-Line BCD-to-10-Line Decimal Decoder
8308	1-366	D15	IC-Digital, Dual 4-Bit Latch
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8321	1-366	D8	IC-Digital, Dual 1-of-4 Decoder
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8368	1-367	D8	IC-Digital, Seven-Segment Latch/Decoder/Driver for Common Cathode LED
8370	1-367	D8	IC-Digital, Seven-Segment Decoder/Driver/Latch with Open Collector Outputs
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8520	1-367	D8	IC-Digital, Cascadable Modulo-N Divider
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8546	1-367	D8	IC-Digital, 8-Bit Universal I/O Shift Register with 3-State Data Lines
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8553	1-367	D8	IC-Digital, 8-Bit I/O Latch with 3-State Outputs
8554	1-367	D8	IC-Digital, Synchronous 3-State Binary Counter/Latch
8555	1-367	D8	IC-Digital, Programmable Decade Counter with 3-State Outputs
8556	1-367	D8	IC-Digital, Programmable Binary Counter with 3-State Outputs
8613	1-368	D8	IC-Digital, Quad Input Gated 'D' Flip-Flop
8853	1-368	D8	IC-Digital, Dual Retriggerable Resettable Monostable Multivibrator with Delayed Trigger
9093	1-329	D6	IC-DTL Dual M/S J-K Flip-Flop (5 MHz)
9094	1-329	D6	IC-DTL Dual M/S J-K Flip-Flop (8 MHz)
9097	1-329	D6	IC-DTL Dual M/S J-K Flip-Flop (8 MHz)
9099	1-329	D6	IC-DTL Dual M/S J-K Flip-Flop (5 MHz)
9109	1-329	D6	IC-DTL High Voltage Hex Inverter
9110	---	D6	IC-DTL High Voltage Hex Inverter - Discontinued
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9158	1-329	D6	IC-DTL Quad Pwr Gate
9200	1-296	L18A	IC-I^2L Freq Divider for VCR
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9302	1-333	D8	IC-HLL Quad 2-Input NAND Buffer Gate Open Collector
9303	1-333	D8	IC-HLL Quad 2-Input NAND Buffer Gate Passive Pullup
9304	1-333	D8	IC-HLL Triple 4,3,4-Input NAND Buffer Gate Passive Pullup
9306	1-333	D8	IC-HLL Quad 2,2,3,3-Input NOR Gate Active Pullup
9307	1-333	D8	IC-Hll Quad 2,2,3,3-Input NOR Gate Open Collector
9311	1-333	D8	IC-HLL Clocked M/S Flip-Flop Active Pullup
9312	1-333	D8	IC-HLL Dual Edge Triggered J-K Flip-Flop Active Pullup
9321	1-333	D8	IC-HLL Expandable Quad 2-Input NAND Gate Active Pullup
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9343	1-334	D8	IC-HLL 4-Bit Comparator Active Pullup
9347	1-334	D8	IC-HLL Dual Retriggerable Monostable Multivibrator Active Pullup
9361	1-334	D8	IC-HLL Dual Input Level Interface Passive Pullup
9362	1-334	D8	IC-HLL Dual Output Level Interface Active Pullup
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9802	1-329	D6	IC-DTL 8-Input NAND Gate (6 Kohm-Pullup)
9803	1-329	D6	IC-DTL 8-Input NAND Gate (2 Kohm-Pullup)
9804	1-329	D6	IC-DTL 10-Input NAND Gate (6 Kohm-Pullup)
9805	1-329	D6	IC-DTL 10-Input NAND Gate (2 Kohm-Pullup)
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9807	1-330	D6	IC-DTL Quad 2-Input AND Gate (6 Kohm-Pullup)
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9809	1-330	D6	IC-DTL Quad 2-Input OR Gate (2 Kohm-Pullup)
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9811	1-330	D6	IC-DTL Quad 2-Input NOR Gate (2 Kohm-Pullup)
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9813	1-330	D8	IC-DTL Quad Latch with Complementary Outputs
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9900	1-340	D2	IC-RTL Buffer-Medium Pwr
9903	1-340	D2	IC-RTL 3-Input NOR Gate-Medium Pwr
9904	1-340	D2	IC-RTL Half Adder-Medium Pwr
9905	1-340	D2	IC-RTL Half-Shift Register-Medium Pwr
9906	1-340	D2	IC-RTL Half-Shift Register w I/O Inverter-Medium Pwr
9907	1-340	D2	IC-RTL 4-Input NOR Gate-Medium Pwr
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9937	1-331	D6	IC-DTL Hex Inverter
9941	1-331	D6	IC-DTL Monostable Multivibrator (Input Clamp Diodes)
9944	1-331	D6	IC-DTL Dual 4-Input Extendable NAND Buffer Gate Open Collector
9945	1-331	D6	IC-DTL Clocked Flip-Flop
9946	1-331	D6	IC-DTL Quad 2-Input NAND Gate
9948	1-331	D6	IC-DTL Clocked Flip-Flop (Fast)
9949	1-331	D6	IC-DTL Quad 2-Input NAND Gate (Fast)
9950	1-331	D6	IC-DTL AC Coupled R-S Flip-Flop
9951	1-332	D6	IC-DTL Monostable Multivibrator
9961	1-332	D6	IC-DTL Dual 4-Input Extendable NAND Gate (Fast)
9962	1-332	D6	IC-DTL Triple 3-Input NAND Gate
9963	1-332	D6	IC-DTL Triple 3-Input NAND Gate (Fast)
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9982	1-341	D2	IC-RTL Lo Pwr J-K Flip-Flop
9989	1-341	D6	IC-RTL Medium Pwr Hex Inverter
9990	1-341	D6	IC-RTL Medium Pwr Dual J-K Flip-Flop
40085B	1-327	D8	IC-CMOS 4-Bit Magnitude Comparator
40097B	1-327	D8	IC-CMOS Hex 3-State Non-Inverting Buffer
40098B	1-327	D8	IC-CMOS Hex 3-State Inverting Buffer
40100B	1-327	D8	IC-CMOS 32-State Static Left/Right Shift Register
40106B	1-327	D6	IC-CMOS Hex Schmitt Trigger
40160B	1-327	D8	IC-CMOS 4-Bit Decade Asynchronous Reset Counter
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40193B	1-328	D8	IC-CMOS 4-Bit Up/Down Synchronous Binary Counter
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56004	1-113	Z41	TRIAC-200 VRM, 15 A
56006	1-113	Z41	TRIAC-400 VRM, 15 A
56008	1-113	Z41	TRIAC-600 VRM, 15 A
56010	1-113	Z41	TRIAC-800 VRM, 15 A
56015	1-113	Z41	TRIAC-200 VRM, 25 A
56016	1-113	Z41	TRIAC-400 VRM, 25 A
56017	1-113	Z41	TRIAC-600 VRM, 25 A
56018	1-113	Z41	TRIAC-800 VRM, 25 A
56019	1-113	Z41	TRIAC-200 VRM, 25 A, Isolated Tab
56020	1-113	Z41	TRIAC-400 VRM, 25 A, Isolated Tab
56022	1-113	Z50	TRIAC-200 VRM, 40 A, Isolated Stud
56024	1-113	Z50	TRIAC-400 VRM, 40 A, Isolated Stud
56026	1-113	Z50	TRIAC-600 VRM, 40 A, Isolated Stud
65101	1-378	D13	IC-CMOS Static 1K RAM, 450 nsecs Access Time
74107	1-353	D6	IC-TTL Dual J-K M/S Flip-Flop with Clear
74109	1-354	D8	IC-TTL Dual J-K Edge Triggered Flip-Flop with Clear and Preset
74110	1-354	D6	IC-TTL Gated J-K M/S Flip-Flop with Clear and Preset
74111	1-354	D8	IC-TTL Dual J-K M/S Flip-Flop with Clear and Preset
74121	1-354	D6	IC-TTL Monostable Multivibrator
74122	1-354	D6	IC-TTL Retriggerable Monostable Multivibrator with Clear and Internal Timing Resistor
74123	1-354	D8	IC-TTL Dual Retriggerable Monostable Multivibrator with Clear
74125	1-354	D6	IC-TTL Quad Buffer with 3-State Outputs Lo Enable
74126	1-355	D6	IC-TTL Quad Buffer with 3-State Outputs Hi Enable
74128	1-355	D6	IC-TTL Quad 2-Input NOR 50 Ohm Line Driver
74132	1-355	D6	IC-TTL Quad 2-Input NAND Schmitt Trigger
74136	1-355	D6	IC-TTL Quad Exclusive OR Gate
74141	1-355	D8	IC-TTL BCD-to-Decimal Decoder/Driver-Drives Gas Filled Cold Cathode Indicator Tubes Directly
74142	1-355	D8	IC-TTL BCD Counter/4-Bit Latch/BCD Decoder/Driver
74143	1-356	D15	IC-TTL 4-Bit Counter/Latch and Decoder/Driver for Seven-Segment LED Displays
74144	1-356	D15	IC-TTL 4-Bit Counter/Latch and Decoder/Driver with Open Collector Outputs
74145	1-356	D8	IC-TTL BCD-to-Decimal Decoder/Driver
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74150	1-356	D15	IC-TTL Data Selector/Multiplexer-Inverted Outputs
74151	1-356	D8	IC-TTL Data Selector/Multiplexer-Complementary Outputs
74152	1-356	D6	IC-TTL Data Selector/Multiplexer
74153	1-356	D8	IC-TTL Dual 4-Line-to-1-Line Data Selector/Multiplexer
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74158	1-357	D8	IC-TTL Quad 2-Line-to-1-Line Data Selector/ Multiplexer with Inverting Outputs
74160	1-357	D8	IC-TTL Synchronous Decade Counter with Direct Clear
74161	1-357	D8	IC-TTL Synchronous Binary Counter with Direct Clear
74162	1-357	D8	IC-TTL Decade Counter with Synchronous Clear
74163	1-357	D8	IC-TTL Binary Counter with Synchronous Clear
74164	1-357	D6	IC-TTL 8-Bit Parallel-Out Serial Shift Register
74165	1-357	D8	IC-TTL Parallel-Load 8-Bit Shift Register
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74173	1-358	D8	IC-TTL 4-Bit 'D' Register with 3-State Outputs
74174	1-358	D8	IC-TTL Hex 'D Type' Flip-Flop with Clear and Single Rail Outputs
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74176	1-358	D6	IC-TTL Decade Counter (Can be connected in BCD, ÷2, ÷5, or Biquinary Mode)
74177	1-358	D6	IC-TTL 4-Bit Binary Counter (Can be connected as ÷2, ÷8, or ÷16 Counter)
74178	1-358	D6	IC-TTL 4-Bit Shift Register with Serial and Parallel Data Entry
74179	1-358	D8	IC-TTL 4-Bit Shift Register with Serial and Parallel Data Entry Plus Direct Reset (RD) and a D (Out) Line
74180	1-358	D6	IC-TTL 8-Bit Odd/Even Parity Generator/Checker
74181	1-358	D15	IC-TTL Arithmetic Logic Unit/Function Generator
74182	1-358	D8	IC-TTL Look-Ahead Carry Generator
74190	1-359	D8	IC-TTL BCD-Synchronous Up/Down Counter with Up/Down Mode Control
74191	1-359	D8	IC-TTL 4-Bit Binary Synchronous Up/Down Counter with Up/Down Mode Control
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74193	1-359	D8	IC-TTL Synchronous Up/Down 4-Bit Binary Counter-Dual Clock with Clear
74195	1-359	D8	IC-TTL 4-Bit Parallel Access Shift Register
74196	1-359	D6	IC-TTL 50 MHz Presettable Decade Counter and Latch (Can provide ÷2 and ÷5 Counter)
74197	1-359	D6	IC-TTL 50 MHz Presettable Binary Counter and Latch (Can provide ÷2 and ÷8 Counter)
74198	1-359	D15	IC-TTL 8-Bit Right-Left Shift Register (Parallel Inputs-Parallel Outputs)
74199	1-359	D15	IC-TTL Synchronous 8-Bit Register
74221	1-359	D8	IC-TTL Dual Monostable Multivibrator
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74251	1-360	D8	IC-TTL Data Selector/Multiplexer with Inverting and Non-Inverting 3-State Outputs
74290	1-361	D6	IC-TTL Decade Counter
74293	1-361	D6	IC-TTL 4-Bit Binary Counter
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74366	1-362	D8	IC-TTL Hex Inverting 3-State Bus Driver with Common Enable
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75451B	1-372	D4	IC-Dual Peripheral AND Driver
75452B	1-372	D4	IC-Dual Peripheral NAND Driver
75453B	1-373	D4	IC-Dual Peripheral OR Driver
75454B	1-373	D4	IC-Dual Peripheral NOR Driver
75491B	1-373	D6	IC-Quad LED Segment Driver with MOS Compatible Inputs
75492B	1-373	D6	IC-Hex Digit Driver with MOS Compatible Inputs
75493	1-373	D8	IC-Quad LED Segment Driver with MOS Compatible Inputs
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75497	1-373	D8	IC-7 Channel LED Driver with MOS Compatible Inputs
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ECG® Semiconductors - Replacement Procedures

Universal Replacements

1. ECG Semiconductors can be used with confidence because they are specially selected prime parts whose specifications generally exceed those of the original part or application. A maximum number of replacement requirements can be satisfied with a minimum inventory of ECG Semiconductor devices. For example, ECG125 diode can be used to replace more than 625 JEDEC (1N) types (1N867, 1N4001, 1N4003, 1N4011, etc.) and ECG123A transistor can be used to replace more than 200 (2N) types (2N708, 2N708A, 2N2096A, 2N3115, etc.) plus thousands of other standard industry transistor types.
2. The frequency of equipment repair can be reduced by upgrading with ECG Semiconductors. For example, if a 100 volt, 15 amp rectifier is frequently replaced in an important control unit, replace it with a higher voltage and/or higher current part, as explained in rectifier replacement section. Or, if the device is overheating, additional heat sinking may be required.
3. ECG Replacement Semiconductors are available through an international network of electronic distributors. These distributors provide local availability of ECG replacement semiconductors to help keep equipment downtime at a minimum.

Replacement Techniques

Forming Pins

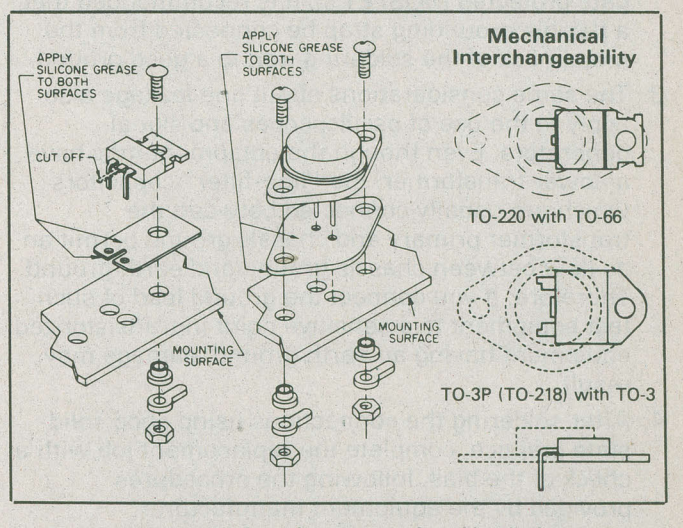
When replacing the original device with an ECG unit, certain mechanical and electrical requirements must be observed. Compare the lead or terminal arrangement of the original part with the ECG replacement. If necessary, bend the leads to the proper basing arrangement and insulate them to prevent possible shorts. For socketed devices, cut the leads on the replacement to proper length. Check the outline dimensions of the replacement if mounting space is a problem. Replacement in untuned stages can generally be made with a minimum of effort.

1. To avoid pulling when bending a plastic device pin, always restrain the pin firmly by holding with a pair of needle-nosed pliers or tweezers located at least 1/8-inch away from the device body. Internal connections of the pins to their junctions may be disrupted if this procedure is not observed.
2. If pins must be spread apart, bend the pin only in the narrow portion of its length, again restraining the pin during bending as per Step 1.
3. Maintain a bend radius of at least 1/16-inch.
4. Do not repeatedly bend pins. Insulate pins if necessary to avoid short circuits.
5. Mount the device before soldering to leads.

Mounting

(See Illustration Below)

1. Use the proper mounting hardware, such as insulating bushings, insulating washers, etc., called for by the specific application.



2. To promote efficient heat transfer, insulating washers, when required, should be thin (typically three mils for a mica washer). Use a thin, even layer of ECG424 Heat Sink compound on both sides of the washer.
3. Exercise care that the tool used to tighten the transistor retaining nut or bolt does not contact the device body.
4. Unless otherwise specified do not exceed six inch-pounds torque (an average male can exert about 50-inch pounds torque with a screwdriver).
5. Avoid exerting pull of the device pins while connecting them to their circuit connections. Provide a means of strain relief if these connections tend to place pulling forces on the pins.
6. To extend transistor life in high-power dissipation applications where a large thermal interface is not provided by the original equipment, the use of a heat sink is recommended when space permits. The ECG line includes a variety of transistor heat sinks, insulator kits, and heat sink compound for this purpose.

Soldering

1. Solid-state circuitry is generally miniaturized and is most often fabricated on a printed-circuit board.

Any repairs to this type of circuitry require a well-tinned, pencil-type soldering iron. Care must be taken in soldering, both to prevent damage to the printed circuit board and to make sure that the solid-state device itself is not overheated. A good quality 60/40 (60% tin, 40% lead) solder helps to make joints quickly with a minimum of heat. When solid-state devices must be removed or installed, some means must be provided to conduct heat away from their junctions. Long-nose pliers may be used as a heat sink.

2. Leakage between the heating element and the soldering-iron tip can cause the tip to be above ground potential. This leakage voltage may cause transistor damage if the chassis has a return to ground. To be on the safe side when soldering or unsoldering solid-state devices (especially non-gate protected MOSFET's), it is recommended that a flexible grounding strap be connected from the metal neck of the soldering iron to a good ground.
3. The same considerations about line leakage also apply to the use of oscilloscopes and signal generators. Even though the equipment may have a power transformer, the "line-filter" capacitors which are usually connected between the transformer primary and chassis ground permit an ac flow between chassis ground and earth ground. Therefore, if you connect the ground lead of such test equipment to a sensitive point in transistorized equipment having an earth ground, damage may result.
4. After soldering the connections using good solid-state practice, complete the replacement job with a check of the bias, following the procedures provided by the equipment manufacturer.

Mosfet Handling Precautions

In handling non-gate protected MOSFETS, such as the ECG220 and ECG221, the following pre-cautions should be observed:

Prior to assembly into a circuit, all leads should be kept shorted together with the metal spring.

When devices are handled, the hand being used should be at ground potential.

Tips of soldering irons should be grounded.

Devices should never be inserted into or removed from circuit with power on.

Gate-protected devices, such as the ECG222, incorporate special back-to-back diodes that are diffused directly into the M.O.S. pellet and are electrically connected between each insulated gate and the FET's source. These diodes effectively by-pass any voltage transients which exceed approximately ± 10 volts and protect the gates against damage in all normal handling and usage.

CMOS Handling Precautions

The input protection networks incorporated in all CMOS devices are effective in a wide variety of device handling situations. To be totally safe, however, it is desirable to restate the general conditions for eliminating all possibilities of device damage.

CMOS devices may be damaged if exposed to high static charges. The handling procedure shown below should be followed in order to assure against damaging the devices:

1. The leads of the devices should be shorted out with some type of conductive material except when being tested or when actually in the circuit. This will prevent build up of static charges.
2. All tools, jigs and fixtures, soldering-irons and any type of handling device should be grounded.
3. Transient voltages can damage CMOS too. Therefore, units should not be plugged into, nor removed from, circuits while power is still on. Signals should not be applied if the power to the device is off.
4. If a lead is not used, it must be either grounded or connected to the device power supply. Which one will depend on the logic circuit involved.

Table I indicates general handling procedures recommended to prevent damage from static electrical charges.

Total protection results when personnel and materials are all at the same or ground potential.

Table I

	Should be conductive	Should be grounded to common point
Handling Equipment	X	
Metal Parts of Fixtures and Tools		X
Handling Trays	X	X
Soldering Irons		X
Table Tops	X	X
Transport Carts		(Static Discharge Straps)
Manufacturing Operating Personnel		*(Utilize grounded metal wrist straps)
General Handling of Devices		*(Utilize grounded metal wrist straps)

* 470 Kohm series resistor

Dry weather (relative humidity less than 30%) tends to multiply the accumulation of static charges on any surface. Conversely, higher humidity levels tend to reduce the magnitude of the static voltage generated. In a low-humidity environment, the handling precautions listed above take on added importance and should be adhered to without exceptions.

Selecting A Bi-Polar Transistor For An Unlisted Type

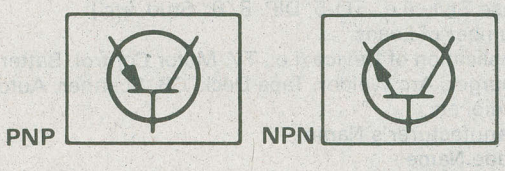
If the transistor to be replaced is unmarked or not listed in the ECG Replacement Guide, the following procedure can be used to make an accurate replacement selection.

Step-be-step determine each of the following parameters:

1. Polarity NPN or PNP
2. Type of material - silicon or germanium
3. Operating frequency range
4. Maximum voltage, collector to emitter
5. Maximum voltage collector to base
6. Maximum collector current
7. Maximum power dissipation
8. Current gain
9. Case packaging
10. Lead configuration

Step 1

Is it an NPN or PNP device? Your first source of information would be the schematic drawings. If the arrow on the emitter of the transistor symbol is pointing toward the base, you know it is a PNP device, or if it is pointing away from the base, it is an NPN.



Now let's say for argument sake that the schematic has been drawn incorrectly or suppose you have no schematic, your next clue would be to determine the polarity of the voltage between the emitter and collector.

If the collector voltage is positive with respect to the emitter voltage, then it is a NPN device. If the collector voltage is negative with respect to the emitter voltage then it is a PNP device. Therefore, if the V_{CE} (collector to emitter voltage) is positive, it's NPN, or if the V_{CE} is negative, it's PNP. An easy way to remember the polarity of the collector voltage for each type is:

NP OSITIVE N

PN EGATIVE P

Step 2

Next you must decide whether the device is silicon or germanium. This is most effectively done by the use of a schematic drawing. If you find that the D.C. bias voltage level between the base and emitter is 0.2 volts or less, it is probably a germanium device. Now, if you get a bias voltage reading of 0.4 volts or more, it is probably a silicon device. There will, of course, be some cases where there will be either no bias or reverse bias voltage present. This would be the case in oscillator and sync clipper circuits.

Another way of determining the type of material of a transistor is to look at the complexity of the circuit with respect to the number of components in a single stage. Germanium circuits are much more complex due to germanium's unstable nature with respect to temperature changes and its high leakage currents, therefore, several components are required per stage to make it stable. Voltage dividers are used to compensate the bias voltage and an emitter limiting resistor is always used.

A silicon device, however, is very stable with respect to gain when temperature changes and silicon has very low leakage currents. Therefore, a single silicon amplifier stage may only consist of one resistor for base bias and one load resistor. Some circuits using silicon still have more compensating components than they require but as design engineers have become more aware of the stability of silicon, circuits have become simpler.

Step 3

After you have determined the polarity and type of material of a device, you next determine the operating frequency range of the circuit in which it is used. This is done mainly by identifying the type of circuit and whether it is working in the audio range, the kilohertz range or the megahertz range.

Step 4

Next you look at the schematic or the circuit and determine the maximum collector to emitter voltage present in the circuit. In most cases, it is best to use the supply voltage figure as your reference. This figure will then be used to select a replacement device, which has a collector to emitter breakdown voltage at least slightly higher than the supply voltage. Preferably the higher the collector to emitter breakdown voltage, the better.

Step 5

Next the collector to base maximum voltage must be determined. If you have determined the collector to emitter maximum voltage requirements, then you can use this figure for the collector to base maximum voltage requirements.

Step 6

The sixth step is to determine the maximum collector current. To do this you would consider the DC condition with the device fully on, which of course would give you the highest current required of the device.

Step 7

Now that you have determined the maximum voltage and collector current requirements, you can use them in determining the maximum power requirements. However, the type of circuit where the device is used is the major factor with respect to power dissipation. Here we have some general wattage ranges for different circuit types.

1. Input stages, AF or RF, 50-200 milliwatts
2. IF stages and driver stages, 200MW - 1 watt
3. Higher power output stages 1 watt and up

Step 8

Next you determine the gain expected from the circuit. This is determined primarily by its application

in a circuit. Some typical gain categories are:

RF, Mixers, IF and AF	80 - 150
RF and AF Drivers	25 - 80
RF and AF Output	4 - 40
High Gain Preamps and Sync Separators	150 - 500

Step 9

Next you determine the case packaging and over-all dimensions. (Case type and size need only be considered where an exact mechanical fit is required. Otherwise, if you can fit the device into place even though it is not the exact case, it will probably do the job as well as the original. Some high frequency circuits may require exact replacements but even these circuits will require some alignment touch-up, especially in the case of UHF circuits.)

Step 10

Lastly you note the lead configuration. (Lead configuration generally is not a prime consideration for replacement transistors although it may be desirable for each of insertion and appearance.)

With the above 10 parameters determined, the application selector guides in the transistor section can be used to find an accurate replacement device.

In an emergency situation where a replacement is listed in the ECG Semiconductor Guide but you do not have the recommended type in stock, this procedure could be used to determine alternate ECG replacements with higher ratings or different case or lead configurations.

SCR, Triac, Rectifier and Bridge Replacement

A substitute rectifier, SCR, triac or bridge can be used as long as it is:

1. Equal to or greater in current rating
2. Equal to or greater in voltage rating
3. In a similar case
4. Has (for SCR's and triacs) the same or lower I_{GT} rating
5. Has equal or faster switching speed

The important factor in point 3 is that for proper heat transfer, substitutes for stud type devices should have the same stud size - this, so you can simply take out the defective device and install the new device without having to drill a new size hole in the heat sink. In the case of axial lead devices, however, you may substitute if the case is equal to or smaller than the original device.

Not all ECG devices can be substituted in the above manner. The above-mentioned five substitution factors apply to SCR's, triacs, rectifiers, and bridges only. Voltage regulation zener substitutions are somewhat less flexible, since each zener is manufactured for, and used as, a specific voltage regulator you cannot substitute a different zener voltage.

Personalized Service For Unlisted Types

Upon the user's request, the ECG Semiconductor Field Engineering Department will try to cross reference any type number or part number not in this ECG Semiconductor Replacement Guide. Sometimes this is possible, sometimes not. However, the chance of success is greatly increased as the amount of information to work with goes up. Therefore, when requesting a new cross reference, please give as much of the information requested in Table II as possible.

Table II

1. Type Number
2. Part Number
3. Number on Device
4. Type of Device (i.e., Diode, Rectifier, PNP or NPN Transistor-Silicon or Germanium, SCR, Triac, Integrated Circuit, etc.)
5. If IC, Specify Digital, Linear, or Other Description
6. Case Style (i.e., TO-5, DIP, 3/8" Stud, etc.)
7. Number of Leads
8. Application of Device (i.e., TV, Motor Control, Battery Charger, Arc Welder, Tape Deck, CB, Scanner, Auto Radio, etc.
9. Manufacturer's Name
10. Trade Name
11. Chassis Number
12. Model Number
13. Description of Device Function

Inquiries for such cross reference information should be sent to:

ECG Semiconductor, Field Engineering
Philips ECG, Inc.
1025 Westminster Drive
Williamsport, Pennsylvania 17701

Testing Solid-State Devices

Precautions

Ohmmeters - Ohmmeters must be used with great care in transistor circuits. It must be remembered that the ohmmeter has an internal voltage source. Also, some instruments are capable of delivering high currents.

Meter test probes with sharp points facilitate checks on printed-circuit boards. They minimize the danger of accidentally bridging adjacent conductors. Also, the needle points easily pierce resin, varnish, or surface corrosion on the conductors. False readings are often the result of not making good connections on the printed-circuit board.

In-circuit measurements are often misleading because of the shunt paths provided by transistor junctions that become forward biased by the ohmmeter's supply. An example is shown in Fig. A. With the ohmmeter connected in this fashion, the internal battery places a forward bias on the emitter junction of the transistor. This effectively places R_E in shunt with R2.

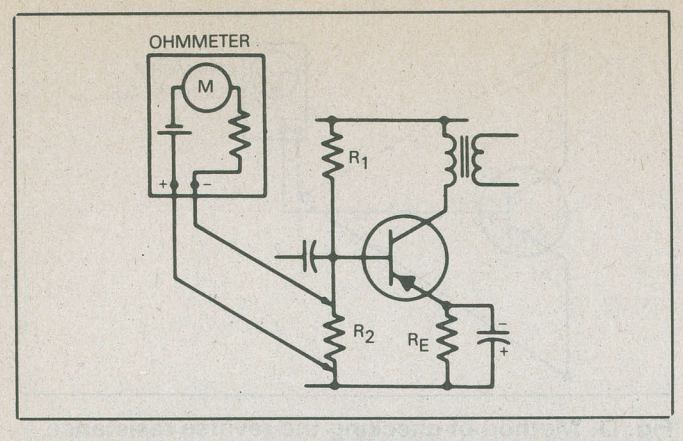


Fig. A. False resistance reading caused by forward-biased emitter junction.

In addition to shunt paths provided by transistor junctions, the physically small electrolytic capacitors employed as coupling and bypass capacitors also provide low-resistance shunt paths if the ohmmeter's internal supply should polarize them incorrectly. These components can be permanently damaged by even a low voltage of incorrect polarity. Damage can also be caused if the polarity is correct, but the working voltage of the capacitor is exceeded by the ohmmeter's supply. Some capacitors are rated at only 3 volts, while the internal supply of many ohmmeters is 7.5 volts and may run as high as 30 volts. (Most electronic VOM's employ a 1.5-volt supply and are therefore always safe as far as voltage breakdown is concerned.)

As a general rule, ohmmeter measurements in the transistor circuit should be made by disconnecting one lead of the component to be checked. This removes any possibility of a shunt path. However, the reading in Fig. A. could be made if the ohmmeter leads are reversed, in which case the emitter junction becomes reverse biased. This requires a knowledge of the polarity of the ohmmeter voltage at the meter's test leads.

Ohmmeter connections that reverse-bias transistor junctions sometimes run the risk of exceeding the breakdown potential of the junction. This is particularly true in the case of the emitter junction, which breaks down at lower reverse voltages. If the $V_{(BR)EBO}$ of the transistor is not known and if a battery voltage of several volts or more is used in the ohmmeter, it is best to disconnect the transistor.

Ohmmeter readings that intentionally or accidentally forward bias a transistor junction also run the risk of causing excessive current flow through the transistor. The forward-biased junction is practically a short, so that the total current flowing is determined mainly by the ohmmeter's voltage supply and its internal resistance. Many ohmmeters, including electronic VOM's, supply a short-circuit current of 100 mA when used on the Rx1 scale. This current can damage many transistors. To prevent any danger of damage, only use those resistance ranges where the short circuit current is below 1 mA. For most service-type instruments, use of the Rx100 and Rx10k ranges is safe. Do not read forward-bias currents on the Rx1 scale.

Summing up, ohmmeter readings require some judgment before they are made. You need to know three things about the ohmmeter before making measurements: the polarity of the voltage at the leads, the voltage of the internal battery, and the short-circuit current. Also, unless shunt paths can be definitely eliminated by proper polarization, one lead of the component to be checked must be disconnected.

Identifying Leads on Unmarked Transistors — Occasionally, identifying marks may be obliterated on the transistor case. The leads may then be identified with the few ohmmeter checks shown in Fig. B. In step 1, ohmmeter checks are made between each pair of leads in both the forward and reverse directions. Low readings (below 500 ohms) will be found when the ohmmeter places a forward bias across emitter and collector junctions. The highest forward reading is obtained when the meter is placed across the emitter and collector leads. This check establishes the base lead as the one that is not involved in the high forward-resistance reading.

Step 2 identifies the transistor type. An ohmmeter check is made between the base and one other lead. If a low-resistance reading is obtained when the negative side of the ohmmeter is connected to the base, the transistor is a PNP type. A low resistance reading when the base is positive indicates an NPN unit.

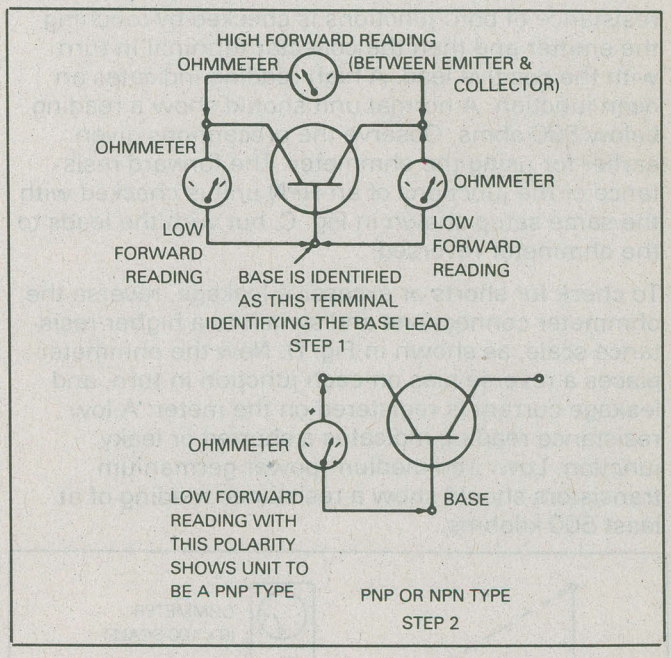


Fig. B. Hoookup arrangement for identifying leads.

Testing Bipolar Transistors

A transistor that is operated within its ratings with respect to voltage, power dissipation, and temperature is normally expected to have an almost unlimited life. Failures in transistorized circuits are more often the result of damage or malfunctioning of some other component. This is particularly true when miniature transformers and electrolytic capacitors are employed. Despite the reliability of the transistor itself, failures occur due to shorts or opens in the bias circuitry,

temporary overloads, physical damage, or even mishaps while servicing.

A great number of transistor testers and analyzers are available. Some only check leakage and current gain, while others are capable of measuring all of the transistor parameters. From a servicing viewpoint, a few simple tests are enough to reveal a great majority of troubles. These tests, to be described, reveal shorts, opens, excessive leakage, and provide a rough check of current gain. Fortunately, little equipment is required. Some of the tests require only an ohmmeter. The more elaborate checks can be made with just a few additional components.

Testing the Junctions — The transistor contains two p-n junctions or diodes. Most of the characteristics of the transistor are tied in with the behavior of the junctions, while the rest of the device simply serves as connective material. Damage to the transistor, therefore, almost always shows up as a malfunctioning of one of the rectifying junctions. The fault may be an open or shorted junction, or excessive reverse current (leakage).

A rough but useful check of the condition of the junctions may be made with an ohmmeter. First, the forward resistance of each junction is measured, as shown in Fig. C. In this figure, the connections for a PNP transistor are shown. The negative terminal of the ohmmeter is connected to the base. The forward resistance of both junctions is checked by touching the emitter and then the collector terminal in turn with the positive lead. A high reading indicates an open junction. A normal unit should show a reading below 500 ohms. Observe the precautions given earlier for using the ohmmeter. The forward resistance of the junctions of an NPN unit is checked with the same setup shown in Fig. C, but with the leads to the ohmmeter reversed.

To check for shorts or excessive leakage, reverse the ohmmeter connections and switch to a higher resistance scale, as shown in Fig. D. Now the ohmmeter places a reverse bias on each junction in turn, and leakage current is registered on the meter. A low resistance reading indicates a shorted or leaky junction. Low- and medium-power germanium transistors should show a resistance reading of at least 500 kilohms.

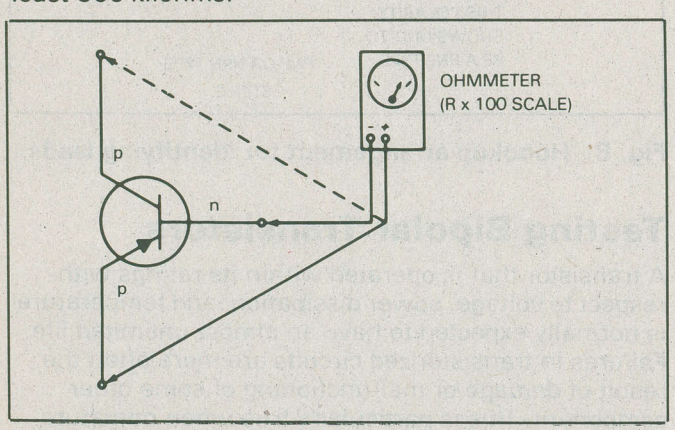


Fig. C. Method of checking the forward resistance of both junctions.

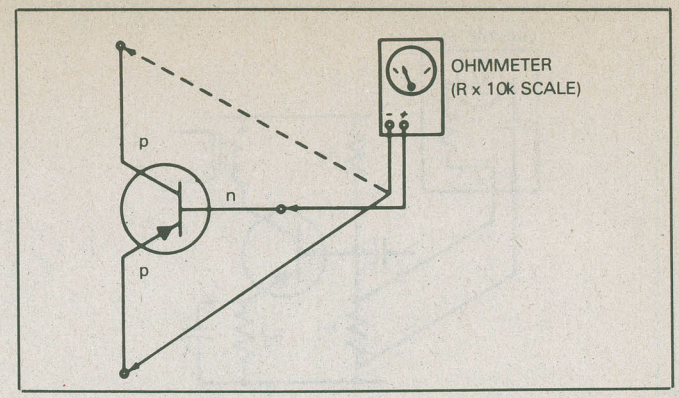


Fig. D. Method of checking the reverse resistance of both junctions.

Typical readings taken with an ohmmeter on the Rx10k scale are 700 kilohms to 1.5 megohms. Silicon transistors give much higher resistance readings. Power transistors have larger junctions and therefore greater leakage currents. Reverse-bias resistance readings should be 50 kilohms or greater for power transistors.

Reverse-resistance checks on NPN transistors are made by reversing the ohmmeter leads so they are opposite to that shown in Fig. D. Note that the actual numerical reading in ohms is meaningless, because the ohmmeter can only measure linear resistances. The specific ohms-reading changes from meter to meter and is not the same for different settings of the range switch. The minimum and maximum values given here apply in the majority of cases. To increase the accuracy of the ohmmeter check, the readings should be compared with those made on a known good transistor of the same type.

Current Gain — Transistor action may be checked with an ohmmeter by means of the setup shown in Fig. E. The meter registers I_{CEO} before the 500-kilohm resistor is touched to the base. Connecting the resistor allows a small base bias to be applied, and the meter shows an increase in current (decrease in resistance reading).

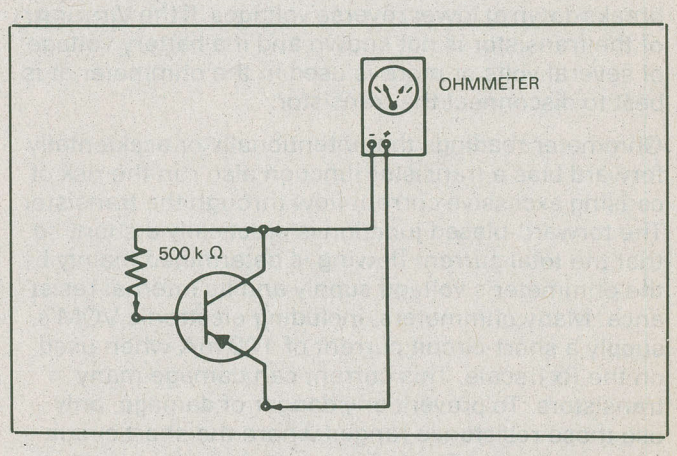


Fig. E. Gain measurement using an ohmmeter.

Testing Field-Effect Transistors

Testing field-effect devices is somewhat more complicated than testing bipolars and must take into account the following:

1. Is the device a JFET or MOSFET?
2. Is the FET an n-channel or p-channel type?
3. If the device is a MOSFET, is it an enhancement or depletion type?

Do not attempt to remove from the circuit or handle an FET unless certain that the device is a JFET or an insulated-gate-protected MOSFET. This verification is essential, because an uninsulated-gate-protected MOSFET may be damaged unless proper handling precautions are taken. When handling or inserting or removing this type of MOSFET, the following should be observed:

1. Prior to assembly into a circuit, all leads should be kept shorted together by either the use of metal shorting springs attached to the device by the vendor, or by the use of a conductive foam. Note - polystyrene "snow" should not be used because it can acquire high static charges.
2. When devices are removed by hand from their carriers, the hand being used should be at ground potential.
3. Tips of soldering irons should be grounded.
4. Devices should never be inserted into or removed from circuits with the power on.

Testing the JFET — The forward resistance of a JFET can be checked with a low-voltage ohmmeter, preferably on the Rx100 scale. Connect the positive lead to gate and the negative lead to the drain or source, if an n-channel JFET. Reverse the leads if a p-channel type.

To test the reverse resistance of an n-channel JFET, connect the negative lead of the ohmmeter to the gate and the positive lead to the drain or source. The device should show almost infinite resistance. Lower readings indicate either leakage or a short. Reverse the leads to test a p-channel device.

Testing the MOSFET - The forward resistance and reverse resistance can be checked with a low-voltage ohmmeter on the highest "R" scale. The insulated-gate MOSFET has an extremely high input resistance. Hence, we should obtain almost infinite resistance readings for both forward and reverse resistance tests between gate and drain or source. Lower readings indicate a breakdown in the insulation between gate and drain or source.

Testing Diodes

Diodes and Rectifiers - Because diodes and rectifiers are non-amplifying devices, simple tests for shorts, opens, or excessive leakage are useful methods to determine if they are functioning properly. The following tests are not applicable to the special case of focus diodes and high-voltage triplers, however. The forward resistance of a diode or rectifier is checked by connecting the positive and negative leads of an ohmmeter, preferably set to the Rx100 scale, to their respective positive (anode) and negative (cathode) terminals. A reading of about 500 to 600 ohms is normal for silicon types, about 200 to 300 ohms for germanium types, and for larger-type rectifiers (germanium or silicon) the resistance is somewhat lower than their respective diode types. Because high-voltage types may have several diodes in series, higher resistance readings can be expected.

As a quick go/no-go test, the ohmmeter procedure just described is a good technique.

To check for shorts or excessive leakage, switch to a higher resistance scale and reverse the ohmmeter leads. A low resistance reading indicates a short or leaky device. Germanium diodes should show a resistance reading from about 100 kilohms to 1 megohm. Silicon diodes show higher resistance readings and can go up to 1000 megohms. However, some diodes may show lower resistances but function satisfactorily in some circuits. Rectifiers, because they generally have larger junctions, have higher leakage currents.

Zener Diodes — To quickly determine if Zeners have opens, shorts, or leakage, connect an ohmmeter in the forward direction in the same manner as described for standard diodes. However, these tests, although helpful, do not provide the primary information needed for a Zener diode, namely, is the device regulating at its rated value? A regulation test is accomplished with a metered adjustable power supply that preferably indicates voltage and current.

Connect the output of the power supply through a limiting resistor in series with the Zener diode to be tested and slowly increase the output voltage until the specified current is flowing through the Zener (see Fig. F). Now connect a voltmeter across the Zener to monitor the Zener voltage. Fluctuate the current on either side of the specified Zener current; if the Zener is operating properly, the voltage should remain constant.

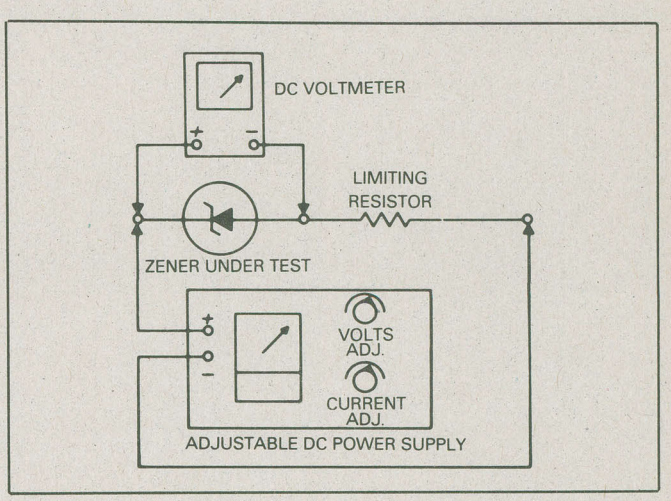


Fig. F. Hookup arrangement for testing Zener diodes.

Testing SCRs and TRIACs (Thyristors)

The functional testing of SCRs and TRIACs usually requires test equipment capable of supplying the specified gate current (I_{GT}) and minimum hold current of the Thyristor. These parameters are given in chart form in the SCR and TRIAC sections of this book.

Testing with an ohmmeter is not recommended for high current Thyristors and should only be used for relative indications in low current Thyristors. The I_{GT} and I_{Hold} parameters of the Thyristor may exceed the source current capability of the ohmmeter causing false readings and therefore, may not always indicate the true function of the device.

However, a simple ohmmeter test on low power Thyristors may provide an approximate evaluation of their gate-firing capabilities by connecting an ohmmeter as shown in Fig. G. The negative lead is connected to cathode and the positive lead is connected to anode.

Using the Rx1 scale, short the gate to the anode. A reading of approximately 15 to 50 ohms is normal. **Note:** when the gate-to-anode short is removed, the same reading should still show on the meter until the leads are removed from cathode or the anode. Now, reconnecting the meter leads to cathode and anode should show no reading until the gate is again shorted to the anode.

Testing of Gate turn off SCRs requires special test equipment. Field testing of these SCRs is difficult and typically provides erroneous results.

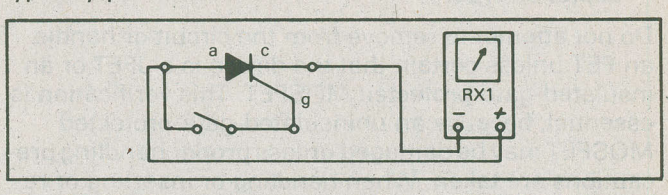


Fig. G. Hookup arrangement for testing thyristors with an ohmmeter.

Transistors

Bi-Polar Types (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package Case	Package Fig. No.
ECG10	NPN-Si, Low Noise, UHF/VHF Amp (G_{PE} 10 dB Typ)	25	12	3	70 mA	.600	5 GHz	40 min	TO-92	T16
ECG11	NPN-Si, Hi Gain, Hi Current, Gen Purp (Compl to ECG12)	40	20	7	5	.75	150	200 min	TO-92	T16
ECG12	PNP-Si, Hi Gain, Hi Current, Gen Purp (Compl to ECG11)	27	18	7	5	.75	120	180 min	TO-92	T16
ECG13	NPN-Si, Hi Gain, Gen Purp Amp	25	20	12	.5	.6	200	400 min	M-71	T20-3
ECG14	PNP-Si, Gen Purp, AF Amp, Driver	80	80	5	.7	.75	100	120 min	M-68	T20-2
ECG15	NPN-Si, VHF Amp, Mixer, Osc, UHF Osc	30	18	4	50 mA	.300	600 min	40 min	M-68	T20-2
ECG16	NPN-Si, Gen Purp Small Signal Amp, Low Noise (Compl to ECG17)	50	40	5	.100	.300	180	300	M-71	T20-3
ECG17	PNP-Si, Gen Purp Small Signal Amp, Low Noise (Compl to ECG16)	50	40	5	.100	.300	140	300	M-71	T20-3
ECG18	NPN-Si, AF Driver, Gen Purp Amp (Compl to ECG19)	80	80	5	.700 1 peak	1	120	120 min	M-71	T20-3
ECG19	PNP-Si, AF Driver, Gen Purp Amp (Compl to ECG18)	80	80	5	.700 1 peak	1	100	120 min	M-71	T20-3
ECG20	NPN-Si, AF PO, Dr, Series Pass (Compl to ECG21)	40	32	5	2 2.5 peak	1	100	120 min	M-71	T20-3
ECG21	PNP-Si, AF PO, Dr, Series Pass (Compl to ECG20)	40	32	5	2 3 peak	1	100	120 min	M-71	T20-3
ECG22	NPN-Si, AF PO, Dr, Gen Purp Amp	100	80	5	1 2 peak	1	100	120 min	M-71	T20-3
ECG23	NPN-Si, Low Noise UHF/VHF Amp, Antenna Amp, H.F. IF Amp (G_{PE} 15 dB Typ)	30	14	3	50 mA	.250	2 GHz	80 typ	TO-92	T16
ECG24	NPN-Si, Gen Purp Amp, Sw (Compl to ECG25)	100	80	5	1.25	1	50	80 min	TO-237	T17
ECG25	PNP-Si, Gen Purp Amp, Sw (Compl to ECG24)	100	80	5	1.25	1	50	80 min	TO-237	T17
ECG26	NPN-Si, Audio Amp, Lo Noise	120	120	5	50 mA	.3 ($T_A = 25°C$)	100	300 min	SP-92	T13-1
ECG27	PNP-Ge, Hi Current Gen Purp Amp	60	45	30	60	170	2 (kHz)	120 typ	TO-3	T28A
ECG28	PNP-Ge, Hi Current Gen Purp Amp	60	45	30	60	170	2 (kHz)	120 typ	TO-68	T29A
ECG29	NPN-Si, Hi Pwr Amp, Sw, $t_f = .3$ μsec typ (Compl to ECG30)	80	80	5	50	300	2 min	20 min	TO-3	T28A
ECG30	PNP-Si, Hi Pwr Amp, Sw, $t_f = .3$ μsec typ (Compl to ECG29)	80	80	5	50	300	2 min	20 min	TO-3	T28A
ECG31	NPN-Si, AF Driver Output (Compl to ECG32)	160	160	6	1	.9 ($T_A = 25°C$)	20 min	100 min	TO-92M	T18
ECG32	PNP-Si, AF Driver Output (Compl to ECG31)	160	160	6	1	.9 ($T_A = 25°C$)	15 min	100 min	TO-92M	T18
ECG33	NPN-Si, Audio Pwr Amp (Compl to ECG34)	160	160	5	15	150	80	120 min	TB-34	T44
ECG34	PNP-Si, Audio Pwr Amp (Compl to ECG33)	160	160	5	15	150	60	120 min	TB-34	T44

Notes: * MP - Matched pair

Frequency at which common emitter current gain is 70.0% of low frequency gain

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Package Outlines - See Page 1-76

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package	
									Case	Fig. No.
ECG36 **ECG36MP***	NPN-Si, Pwr Amp, Hi Speed Switch (Compl to ECG37)	160	140	6	12	100	15	60 min	TO-3PJ	T48-1
ECG37 **ECG37MCP**	PNP-Si, Pwr Amp, Hi Speed Switch (Compl to ECG36) Matched Compl Pair-Contains one each of ECG36 (NPN) and ECG37 (PNP)	160	140	6	12	100	15	60 min	TO-3PJ	T48-1
ECG38	PNP-Si, HV AF Pwr Amp, Hi Speed Sw, $t_f = .6$ μsec (Compl to ECG175)	400	350	6	2 cont. 5 peak	35	20	50 typ	TO-66	T25
ECG39	PNP-Si, HV AF Pwr Amp (Compl to ECG157)	300	300	3	.500	20	10	80 typ	TO-126	T45
ECG40	**Dual** NPN-Si, Hi Gain, Lo Noise, Differential Amp, Common Emitter	100	100	5	50 mA	.200/unit .400 total ($T_A = 25°C$)	150	400 min	SIP-5	T20-1
ECG41	**Dual** PNP-Si, Hi Gain, Lo Noise, Differential Amp, Common Emitter	100	100	5	50 mA	.200/unit .400 total ($T_A = 25°C$)	150	400 min	SIP-5	T20-1
ECG42	**Dual** NPN-Si, Hi Gain, Lo Noise, Differential Amp, Common Emitter	50	50	5	.100	.200/unit .400 total ($T_A = 25°C$)	150	400 min	SIP-5	T20-1
ECG43	**Dual** PNP-Si, Hi Gain, Lo Noise Differential Amp, Common Emitter	50	50	5	.100	.200/unit .400 total ($T_A = 25°C$)	100	400 min	SIP-5	T20-1
ECG44	**Dual** NPN-Si, Hi Gain, Lo Noise, Bias Amp (Common Base)	100	100	5	.100	.200/unit .400 total ($T_A = 25°C$)	100	400 min	SIP-5	T20-1
ECG45	**Dual** PNP-Si, Hi Gain, Lo Noise, Bias Amp (Common Base)	100	100	5	.100	.200/unit .400 total ($T_A = 25°C$)	100	400 min	SIP-5	T20-1
ECG46	NPN-Si, Darlington Preamp, Driver, Gen Purp Amp	100	100	12	.500	.625 ($T_A = 25°C$)	200	10000 min	TO-92	T16
ECG47	NPN-Si, Hi Gain, Lo Noise Amp	45	45	6	.200	.350	140	500 min	TO-92	T16
ECG48	NPN-Si, Darlington Hi Current Gen Purp Amp, Switch	60	50 (CES)	12	1	1 ($T_A = 25°C$)	100 min	25000	TO-92M	T18
ECG49	NPN-Si, Gen Purp AF Pwr Out, Driver (Compl to ECG50)	125	100	4	2	10	150	100 typ	TO-202	T38
ECG50	PNP-Si, Gen Purp AF Pwr Amp, Driver (Compl to ECG49)	125	100	4	2	10	150	100 typ	TO-202	T38
ECG51	NPN-Si, HV, Hi Speed Switch, $t_f = .7$ μsec typ	700	400	9	4	75	4 min	25 typ	TO-220	T41
ECG52	NPN-Si, HV, Hi Speed Switch, $t_f = .2$ μsec typ	750	450	6	5	125	---	10 typ	TO-3	T28
ECG53	NPN-Si, HV, Hi Speed Switch, $t_f = .7$ μsec typ	850	400	9	15	175	6 min	12 typ	TO-3	T28
ECG54 **ECG54MP***	NPN-Si, AF Power Amp (Compl to ECG55)	150	150	5	8	50	70	100 typ	TO-220	T41
ECG55 **ECG55MCP**	PNP-Si, AF Power Amp (Compl to ECG54) Matched Compl Pair-Contains one each of ECG54 (NPN) and ECG55 (PNP)	150	150	5	8	50	85	100 typ	TO-220	T41
ECG56	NPN-Si, Hi Gain, Non-Darlington Amp, Switch, Pass Reg.	100	80	6	3	30	15	500 min	TO-220	T41
ECG57	NPN-Si, Hi Gain, Non-Darlington Amp, Switch, Pass Reg.	100	80	6	6	40	10	500 min	TO-66	T25

Notes: * MP - Matched pair

Package Outlines - See Page 1-76

Frequency at which common emitter current gain is 70.0% of low frequency gain

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Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package Case	Package Fig. No.
ECG58	NPN-Si, Hi Power Audio Output (Compl to ECG59)	200	200	6	17	200	20	20 min	TB-35	T44-1
ECG59	PNP-Si, Hi Power Audio Output (Compl to ECG58)	200	200	6	17	200	20	20 min	TB-35	T44-1
ECG60 **ECG60MP***	NPN-Si, Power Amp, AF PO, Gen Purp (Compl to ECG61)	140	140	5	20	250	2	30 typ	TO-3	T28
ECG61 **ECG61MP*** **ECG61MCP**	PNP-Si, Power Amp, AF PO, Gen Purp (Compl to ECG60) Matched Compl Pair-Contains one each of ECG60 (NPN) and ECG61 (PNP)	140	140	5	20	250	2	30 typ	TO-3	T28
ECG62	NPN-Si, HV Horizontal output	2500	900	6	3	50	---	5	TO-3	T28
ECG63	NPN-Si, UHF/Microwave Amp/Mixer G_{PE} 7.5 dB @ 2 GHz NF 4 dB @ 2 GHz	20	12	3	40 mA	400 mW	5 GHz typ	40	RF-19A	T49-3
ECG64	NPN-Si, UHF/Microwave Amp/Hi Speed Sw G_{PE} 10 dB @ 1 GHz NF 2 dB typ @ 1 GHz	25	15	3	30 mA	350 mW	4.5 GHz typ	60	RF-19A	T49-3
ECG65	NPN-Si, UHF/Microwave Amp, CATV, MATV	20	15	2	25 mA	180 mW	5 GHz typ	30 typ	RF-19	T49-2
ECG66	See FET Selector Guide Page 1-59	---	---	---	---	---	---	---	---	---
ECG67	See FET Selector Guide Page 1-59	---	---	---	---	---	---	---	---	---
ECG68 **ECG68MCP**	PNP-Si, Gen Purp Hi Pwr Amp (Compl to ECG388) Matched Compl Pair-Contains one each of ECG388 (NPN) and ECG68 (PNP)	400	250	5	16	250	4 min	30 typ	TO-3	T28
ECG69	NPN-Si, UHF/VHF Amp, Osc, Mixer	35	35	4	50 mA	.25 ($T_A = 25°C$)	800 min	70 typ	TO-92	T16
ECG70	NPN-Si, HV Pwr Amp, Switch	180	150	6	50	250	30 min	30 min	TO-63	T35
ECG71	NPN-Si, Hi Current Amp, Fast Switch	150	90	7	20	200	20	20 min	TO-63	T35
ECG72	NPN-Si, Hi Current Amp, Fast Switch	120	100	6	10	115	30	30 min	TO-61 (Isolated)	T33
ECG73	NPN-Si, HV Amp, Switch	220	200	8	10	85	40	15 min	TO-61	T34
ECG74	NPN-Si, Gen Purp Amp, Sw	100	100	6	7	60	30	60 min	TO-59	T32
ECG75	NPN-Si, Hi Pwr Amp, Sw	100	80	8	5	50	50 min	40 min	TO-111	T30
ECG76 **ECG76MP***	NPN-Si, CATV Broadband Amp	50	30	5	.4	5	1800	30 min	TO-117	T50
ECG77	NPN-Si, CATV Broadband Amp	50	30	5	.4	3.5	1800	30 min	TO-39	T6
ECG78	NPN-Si, RF PO, CB, 27 MHz, 3 W	36	18	4	.6	5	---	5 min	TO-202M	T39
ECG79	NPN-Si, RF PO, CB, 27 MHz	36	18	4	2	10	---	5 min	TO-202M	T39
ECG80	**NPN-Si, HV Sw, Horiz** Driver	700	300	12	1	8 ($T_C = 25°C$) 1 ($T_A = 25°C$)	13	50 typ	TO-202J	T37
ECG81	**Dual** NPN-Si, Switch, DC to VHF Amp	75	40	6	.6	2 total ($T_C = 25°C$) .6 total ($T_A = 25°C$)	250 min	100 min	TO-78	T12
ECG82	**Dual** PNP-Si, Switch, DC to VHF	60	60	5	.6	2 total ($T_C = 25°C$) .6 total ($T_A = 25°C$)	200 min	100 min	TO-78	T12

Notes: * MP - Matched pair

Frequency at which common emitter current gain is 70.0% of low frequency gain

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Package Outlines - See Page 1-76

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package Case	Package Fig. No.
ECG83	**Dual** NPN-Si, Hi Speed Sw, Gen Purp Amp	60	30	5	.5	.2 ($T_A = 25°C$)	250	180 typ	TO-78P	T13
ECG85	NPN-Si, Sw, Gen Purp Amp	70	70 (CES)	4	.4	.6 ($T_A = 25°C$)	200 min	120 min	TO-92	T16
ECG86	NPN-Si, Hi Gain DC Regulator, Amp	200	150	6	5	50	15	400 min	TO-3	T28
ECG87 **ECG87MP***	NPN-Si, Hi Pwr Linear Amp (Compl to ECG88)	250	250 (CEX)	5	10	200	3	20 min	TO-3	T28
ECG88 **ECG88MP*** **ECG88MCP**	PNP-Si, Hi Pwr Linear Amp (Compl to ECG87) Matched Compl Pair-Contains one each ECG87 (NPN) and ECG88 (PNP)	250	250 (CEX)	5	10	200	3	20 min	TO-3	T28
ECG89	NPN-Si, Horiz Output with Damper Diode - Page 1-78	1500	600	6	7	50	---	5 min	TO-3	T28
ECG90	NPN-Si, Hi Gain, Gen Purp Amp (Compl to ECG91)	120	120	5	50 mA	.75 ($T_A = 25°C$)	350	400 min	TO-92M	T18
ECG91	PNP-Si, Hi Gain, Gen Purp Amp (Compl to ECG90)	120	120	5	50 mA	.75 ($T_A = 25°C$)	150	400 min	TO-92M	T18
ECG92	NPN-Si, Audio Pwr Amp, Hi Speed Sw (Compl to ECG93)	200	200	6	15	150	20	120 typ	TB-35	T44-1
ECG93 **ECG93MCP**	PNP-Si, Audio Pwr Amp, Hi Speed Sw (Compl to ECG92) Matched Compl Pair-Contains one each ECG92 (NPN) and ECG93 (PNP)	200	200	6	15	150	20	120 typ	TB-35	T44-1
ECG94	NPN-Si, Gen Purp Pwr DC Regulator	300	300	5	5	100	2.5 min	90 typ	TO-3	T28
ECG95	NPN-Si, HV Amp, Sw, Isolated Stud	250	250	6	3	70	40	90 min	TO-59 (Isolated)	T31
ECG96	NPN-Si, Medium Pwr Amp, Sw, Isolated Stud	100	100	6	7	60	30 min	60 min	TO-59 (Isolated)	T31
ECG97	NPN-Si, HV Darlington Pwr Amp, Fast Sw, $t_f = .5$ μsec	500	400	8	10	150	---	40 min	TO-3	T28
ECG98	NPN-Si, HV Darlington Pwr Amp, Fast Sw, $t_f = .6$ μsec	700	500	8	20	175	---	40 min	TO-3	T28
ECG99	NPN-Si, HV Darlington Pwr Amp, Fast Sw, $t_f = 1$ μsec	600	400	8	50	250	---	25 min	TO-3	T28
ECG100	PNP-Ge, RF/IF Amp, Osc, Mix	25	20 (CER)	20	.3	.150 ($T_A = 25°C$)	5 #	40 typ at 455 KHz	TO-5	T5
ECG101	NPN-Ge, RF/IF Amp, Osc, Mix	25	20 (CER)	20	.3	.150 ($T_A = 25°C$)	5 #	40 typ at 455 KHz	TO-5	T5
ECG102	PNP-Ge, AF Driver, Preamp, Pwr Output (Compl to ECG103)	30	16 (CER)	20	.3	.150 $T_A = 25°C$)	2	90 typ	TO-5	T5
ECG102A	PNP-Ge, AF Driver, Preamp, Pwr Output (Compl to ECG103A)	32	32 (CES)	12	.5	.900 ($T_A = 25°C$)	2.3	120 typ	TO-1	T1
ECG103	NPN-Ge, AF Driver, Preamp, Pwr Output (Compl to ECG102)	30	16 (CER)	20	.250	.150 ($T_A = 25°C$)	2 #	90 typ at 1 KHz	TO-5	T5
ECG103A	NPN-Ge, AF Driver, Preamp, Pwr Output (Compl to ECG102A)	32	32 (CES)	10	.5	.340 ($T_A = 25°C$)	2.5	105 typ	TO-1	T1
ECG104 **ECG104MP***	PNP-Ge, AF Pwr Output	50	35 (CER)	20	7	90	10 KHz #	90 typ	TO-3	T28
ECG105	PNP-Ge, AF Pwr Output	50	35 (CER)	20	15	100	10 KHz #	90 typ	TO-36	T29
ECG106	PNP-Si, RF/IF Amp, Osc, Mix	35	15	1	75 mA	.250 ($T_A = 25°C$)	500	20 min	TO-18	T2

Notes: * MP - Matched pair

Frequency at which common emitter current is 70.0% of low frequency gain

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Package Outlines - See Page 1-76

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package Case	Package Fig. No.
ECG107	NPN-Si, UHF/VHF Amp, Osc, Mix, IF Amp	35	35	5	50 mA	.250 ($T_A = 25°C$)	800 min	70 typ	TO-92	T16
ECG108	NPN-Si, RF/IF/Video Amp, Osc, Mix, VHF/UHF	30	15	2	50 mA	.600 ($T_A = 25°C$)	800 min	20 min	TO-92	T16
ECG121 **ECG121MP***	PNP-Ge, AF Pwr Output	65	45 (CER)	15	7.0	30	22 KHz #	80 typ	TO-3	T28
ECG123	NPN-Si, AF Preamp, Driver Video Amp, Sync Sep	60	30	5	.8	.800 ($T_A = 25°C$)	250	150 typ	TO-39	T6
ECG123A	NPN-Si, AF/RF Amp, Sw	75	40	6	.8	.500 ($T_A = 25°C$)	300	200 typ	TO-18	T2
ECG123AP	NPN-Si, AF/RF Amp, Driver (Compl to ECG159)	75	40	6	.6	.500 ($T_A = 25°C$)	300	200 typ	TO-92	T16
ECG124	NPN-Si, HV Audio Pwr Output	300	300	5	.150	20	30	100 typ	TO-66	T25
ECG126A	PNP-Ge, RF/IF Amp, Osc, Mix	15	15	3	50 mA	300 mW ($T_A = 25°C$)	250	40 typ	TO-18	T2
ECG127	PNP-Ge, Horiz & Vert Defl, Pwr Output	320	320 (CES)	2	10	40	1	15 min	TO-3	T28
ECG128	NPN-Si, AF Preamp, Driver, Output, Video Amp (Compl to ECG129)	120	80	7	1	1 ($T_A = 25°C$)	120	90 min	TO-39	T6
ECG128P	NPN-Si, Gen Purp Amp, Sw (Compl to ECG129P)	100	80	7	1	1	100	100 min	TO-237	T17
ECG129 **ECG129MCP**	PNP-Si, AF Preamp, Driver, Output, Video Amp (Compl to ECG128) Matched Compl Pair-Contains one each ECG128 (NPN) and ECG129 (PNP)	90	80	7	1	1 ($T_A = 25°C$)	120	90 min	TO-39	T6
ECG129P	PNP-Si, Gen Purp Amp, Sw (Compl to ECG128P)	80	80	7	1	1	150	100 min	TO-237	T17
ECG130 **ECG130MP***	NPN-Si, AF Pwr Amp (Compl to ECG219)	100	60	7	15	115	.800	40 typ	TO-3	T28
ECG131 **ECG131MP***	PNP-Ge, AF Pwr Output (Compl to ECG155)	32	20	10	3 peak	6 ($T_C = 63°C$)	1	110 typ	TC-9	T27
ECG152 **ECG152MP***	NPN-Si, AF Pwr Output (Compl to ECG153)	60	60	5	7	50	10	60 typ	TO-220	T41
ECG153 **ECG153MCP**	PNP-Si, AF Pwr Output (Compl to ECG152) Matched Compl Pair-Contains one each ECG152 (NPN) and ECG153 (PNP)	60	60	5	7	50	10	60 typ	TO-220	T41
ECG154	NPN-Si, Video Output Amp	300	300	7	.5	1.0 ($T_A = 25°C$) 7.0 ($T_C = 25°C$)	40	60 typ	TO-39	T6
ECG155	NPN-Ge, AF Pwr Amp (Compl to ECG131)	32	20	10	3 peak	7.5	1	110 typ	TC-9	T27
ECG157	NPN-Si, HV AF Pwr Amp (Compl to ECG39)	300	300	3	.5	20.8	10	30 min	TO-126	T45
ECG158	PNP-Ge, AF Pwr Amp	32	32	10	1	1.6	1.5	90 typ	TO-1	T1
ECG159 **ECG159MCP**	PNP-Si, AF Premp, Driver, Sw (Compl to ECG123AP) Matched Compl Pair-Contains one each ECG123AP (NPN) and ECG159 (PNP)	80	80	5	1	.600 ($T_A = 25°C$)	200	180 typ	TO-92	T16
ECG160	PNP-Ge, RF/IF Amp, Osc, Mix	30	20 (CES)	.5	10 mA	.200 ($T_A = 25°C$)	400	20 typ	TO-72	T4
ECG161	NPN-Si, Video IF Amp	45	45 (CES)	4.5	50 mA	.180 ($T_A = 25°C$)	800	60 typ	TO-72	T4

Notes: * MP - Matched pair

Frequency at which common emitter current gain is 70.0% of low frequency gain

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Package Outlines - See Page 1-76

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package	
									Case	Fig. No.
ECG162	NPN-Si, Vert Defl	500	300	5	3 cont. 10 peak	100	---	20 min	TO-3	T28
ECG163A	NPN-Si, Horiz Delf	700	700 (CEV)	5	10 peak	100	---	10	TO-3	T28
ECG164	NPN-Si, Vert Defl	1500	700 (CER)	5	1	50	.5 min	20	TO-3	T28
ECG165	NPN-Si, Horiz Defl	1500	1400 (CES)	5	5	50	---	5	TO-3	T28
ECG171	NPN-Si, AF/Video Amp (Compl to ECG296)	300	300	5	.5	10	75	40 min	TO-202	T38
ECG172A	NPN-Si, Darlington AF Preamp, Medium-Speed Sw	40	40	12	.3	.400 ($T_A = 25°C$)	60	7000 min	TO-92	T16•
ECG175	NPN-Si, AF Pwr Amp (Compl to ECG38)	500	300	6	3	40	10	50 typ	TO-66	T25
ECG176	PNP-Ge, AF Pwr Amp	25	25	6	2	6	.700	110 typ	TO-39	T6
ECG179 **ECG179MP***	PNP-Ge, AF Pwr Amp	90	90	2	25	106	.35 min	55 typ	TO-3	T28
ECG180 **ECG180MCP**	PNP-Si, AF Amp (Compl to ECG181) Matched Compl Pair-Contains one each ECG181 (NPN) and ECG180 (PNP)	100	100 (CER)	4	30	200	2 min	25 min	TO-3	T28
ECG181 **ECG181MP***	NPN-Si, AF Amp (Compl to ECG180)	100	100 (CER)	4	30	200	2 min	25 min	TO-3	T28
ECG182	NPN-Si, AF Pwr Amp, Hi Speed Sw (Compl to ECG183)	100	80	4	10	90	2	30 min	TO-127	T46
ECG183	PNP-Si, AF Pwr Amp, Hi Speed Sw (Compl to ECG182)	100	80	4	10	90	2	30 min	TO-127	T46
ECG184 **ECG184MP***	NPN-Si, AF Pwr Amp, Hi Speed Sw (Compl to ECG185)	80	80	5	4	40	2	30 min	TO-126	T45
ECG185 **ECG185MCP**	PNP-Si, AF Pwr Amp, Hi Speed Sw (Compl to ECG184) Matched Compl Pair-Contains one each ECG184 (NPN) and ECG185 (PNP)	80	80	5	4	40	2	30 min	TO-126	T45
ECG186	NPN-Si, AF Pwr Amp, Hi Speed Sw (Compl to ECG187)	70	60	5	3	12.5	50	80 typ	TO-202	T38
ECG186A	NPN-Si, AF Pwr Amp, Driver (Compl to ECG187A)	50	50	5	3	10	150	80 min	TO-202M	T39
ECG187	PNP-Si, AF Pwr Amp, Hi Speed Sw (Compl to ECG186)	70	60	5	3	12.5	50	80 typ	TO-202	T38
ECG187A	PNP-Si, AF Pwr Amp (Compl to ECG186A)	50	50	5	3	10	150	80 min	TO-202M	T39
ECG188	NPN-Si, AF Driver, Pwr Amp (Compl to ECG189)	80	80	4	2	10	50	80 typ	TO-202N	T36
ECG189	PNP-Si, AF Driver, Pwr Amp (Compl to ECG188)	80	80	4	2	10	50	80 typ	TO-202N	T36
ECG190	NPN-Si, AF Pwr Amp, Horiz Driver	180	180	5	1	10	100	40 min	TO-202N	T36
ECG191	NPN-Si, HV AF Amp, HV Video Amp (Compl to ECG240)	300	300	6	.5	10	60	40 min	TO-202N	T36
ECG192	NPN-Si, AF Pwr Output (Compl to ECG193)	70	70 (CES)	5	1	.700 ($T_A = 25°C$) 1 ($T_C = 25°C$)	120 min	150 typ	TO-92HS	T21
ECG192A	NPN-Si, AF PO (Compl to ECG193A)	70	70 (CES)	5	.5	.6 ($T_A = 25°C$)	120	120 min	T-16HS	T22•
ECG193	PNP-Si, AF Pwr Output (Compl to ECG192)	70	70 (CES)	5	1	.700 ($T_A = 25°C$) 1 ($T_C = 25°C$)	120 min	150 typ	TO-92HS	T21

Notes: * MP - Matched pair

Frequency at which common emitter current gain is 70.0% of low frequency gain

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Package Outlines - See Page 1-76

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package Case	Package Fig. No.
ECG193A	PNP-Si, AF PO (Compl to ECG192A)	70	70 (CES)	5	.5	.6 ($T_A = 25°C$)	120	120 min	T-16HS	T22•
ECG194	NPN-Si, Gen Purp HV Amp, Hi Speed Sw	180	160	4	.6	.350 ($T_A = 25°C$)	100	100 typ	TO-92	T16
ECG195A	NPN-Si, RF Pwr Amp/Driver (P_O 3.5 W min, 50 MHz, 12 V)	70	70 (CER)	4	1.5	8	150	30 min	TO-39	T6
ECG196	NPN-Si, AF Pwr Output (Compl to ECG197)	90	80 (CER)	5	7	50 ($T_C = 25°C$) 1.8 ($T_A = 25°C$)	.800 min	20 min	TO-220	T41
ECG197	PNP-Si, AF Pwr Output (Compl to ECG196)	90	80 (CER)	5	7	50 ($T_C = 25°C$) 1.8 ($T_A = 25°C$)	.800 min	20 min	TO-220	T41
ECG198	NPN-Si, HV AF, Sw	500	500 (CES)	5	1	40 ($T_C = 25°C$) 2 ($T_A = 25°C$)	20	80 typ	TO-220	T41
ECG199	NPN-Si, Lo Noise Hi Gain Preamp	70	50	5	.1	.360 ($T_A = 25°C$)	90 min	400	TO-92	T16•
ECG210	NPN-Si, AF Output, Sw (Compl to ECG211)	90	75	5	1	6.25 ($T_C = 25°C$) 1.33 ($T_A = 50°C$)	200	120 min	TO-202	T38
ECG211	PNP, Si, AF Output, Sw (Compl to ECG210)	90	75	5	1	6.25 ($T_C = 25°C$) 1.33 ($T_A = 25°C$)	200	120 min	To-202	T38
ECG213	PNP-Ge, Hi Current/Power	75	65	40	30	170	.270	80 typ	TO-36	T29
ECG214	NPN-Si, Darlington Dr, Sw, Series Pass, $t_f = 1.8$ μsec typ	70	60	6	10	60	---	2000 min	TO-3PJ	T48-1
ECG215	NPN-Si, Darlington Dr, Sw, Series Pass, $t_f = 1.6$ μsec typ	110	100	6	8	60	---	1500 min	TO-3PJ	T48-1
ECG216	NPN-Si, Hi Speed Sw, Core Driver, $t_d = 5$ ns, $t_r = 15$ ns, $t_s = 35$ ns, $t_f = 20$ ns typ	80	50	6	1.5	1	300	60 min	TO-237	T17
ECG217	PNP-Si, Hi Speed Sw, Amp, $t_d = 10$ ns, $t_r = 30$ ns, $t_s = 60$ ns, $t_f = 30$ ns max	40	40	5	1	1	175	40 min	TO-237	T17
ECG218	PNP-Si, AF Pwr Output	90	80	7	3	25	3 min	20 min	TO-66	T25
ECG219 **ECG219MCP**	PNP-Si, AF Output, Sw (Compl to ECG130 Matched Compl Pair-Contains one each ECG130 (NPN) and ECG219 (PNP)	100	70 (CER)	7	15	150	4 min	20 min	TO-3	T28
ECG220 thru ECG222	See FET Selector Guide Page 1-57	---	---	---	---	---	---	---	---	---
ECG224	NPN-Si, Final RF Pwr Output (P_O 4 W, 50 MHz)	60	60 (CEV)	2.5	2	10	200	60 typ	TO-39F	T23
ECG225	NPN-Si, AF Video & Sw	450	350	7	1	10	15	40 min	TO-39F	T23
ECG226 **ECG226MP***	PNP-Ge, AF Pwr Output	35	35 (CER)	6	2	12	.450	125 typ	TC-9A	T26
ECG227	NPN-Si, HV Amp, Video Output	300	300	7	.1	1	50	40 min	TO-237	T17
ECG228A	NPN-Si, Hi Speed Sw Lin Amp, AF/Video Output	450	350	7	1	10 ($T_C = 25°C$) 1.75 ($T_A = 25°C$)	15	40 typ	TO-202M	T39

Notes: * MP - Matched pair

Frequency at which common emitter current gain is 70.0% of low frequency gain

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Package Outlines - See Page 1-76

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package	
									Case	Fig. No.
ECG229	NPN-Si, VHF Osc, Mix, IF Amp	40	40	4	50 mA	.425 ($T_A = 25°C$)	600	30 min	TO-92	T16
ECG232	PNP-Si, Darlington Amp	30	30	8	.3	.625 ($T_A = 25°C$)	175	50,000 typ	TO-92	T16
ECG233	NPN-Si, Final Video IF	30	30	3	.1	.625 ($T_A = 25°C$)	300	45 typ	TO-92	T16
ECG234	PNP-Si, Lo Noise, Hi Gain AF Preamp	60	50	5	50 mA	.200 ($T_A = 25°C$)	80 min	400	TO-92	T16
ECG235	NPN-Si, Final RF Pwr Output (P_O 5 W, 50 MHz)	65	65 (CER)	4	3 pulse	12	200 min	40 min	TO-220	T41
ECG236	NPN-Si, Final RF Pwr Output (P_O 13 W, 50 MHz, SSB)	70	70 (CER)	4	8 pulse	25	100	20 min	TO-220	T41
ECG237	NPN-Si, Final RF Pwr Output (P_O 3 W, 27 MHz)	80	40	5	3	10	150 min	10 min	TO-39HS	T24
ECG238	NPN-Si, Horizontal Output	1500	1500 (CER)	5	7	50	---	5	TO-3	T28
ECG240	PNP-Si, HV AF Amp, Video Output (Compl to ECG191)	300	300	5	.5	10 ($T_C = 25°C$) 1 ($T_A = 25°C$)	60 min	40 typ	TO-202N	T36
ECG241	NPN-Si, AF Pwr, Sw (Compl to ECG242)	80	80	5	4	60	2	25 min	TO-220	T41•
ECG242	PNP-Si, AF Pwr, Sw (Compl to ECG241)	80	80	5	4	60	2	25 min	TO-220	T41•
ECG243	NPN-Si, Darlington Pwr Amp (Compl to ECG244)	80	80	5	8	100	---	3000 typ	TO-3	T28
ECG244	PNP-Si, Darlington Pwr Amp (Compl to ECG243)	80	80	5	8	100	---	3000 typ	TO-3	T28
ECG245	NPN-Si, Darlington Pwr Amp (Compl to ECG246)	80	80	5	10	150	---	4000 typ	TO-3	T28
ECG246	PNP-Si, Darlington Pwr Amp (Compl to ECG245)	80	80	5	10	150	---	4000 typ	TO-3	T28
ECG247	NPN-Si, Darlington Pwr Amp (Compl to ECG248)	100	100	5	12	150	---	3500 typ	TO-3	T28
ECG248	PNP-Si, Darlington Pwr Amp (Compl to ECG247)	100	100	5	12	150	---	3500 typ	TO-3	T28
ECG249	NPN-Si, Darlington Pwr Amp (Compl to ECG250)	100	100	5	16	150	---	3500 typ	TO-3	T28
ECG250	PNP-Si, Darlington Pwr Amp (Compl to ECG249)	100	100	5	16	150	---	3500 typ	TO-3	T28
ECG251	NPN-Si, Darlington Pwr Amp (Compl to ECG252)	100	100	5	20	160	---	2400 typ	TO-3	T28
ECG252	PNP-Si, Darlington Pwr Amp (Compl to ECG251)	100	100	5	20	160	---	2400 typ	TO-3	T28
ECG253	NPN-Si, Darlington Pwr Amp (Compl to ECG254)	80	80	5	4	40	---	2000 typ	TO-126	T45
ECG254	PNP-Si, Darlington Pwr Amp (Compl to ECG253)	80	80	5	4	40	---	2000 typ	TO-126	T45
ECG255	NPN-Si, Horiz Driver, Amp, Sw	325	300	6	1	1	30 min	30 min	TO-237	T17
ECG256	NPN-Si, Darlington w/Damper Diode, Hi Speed Sw, Hi Current, $t_f = 150$ nsec	450	400	8	20	150	---	30 min	TO-3P (TO-218)	T48
ECG257	NPN-Si, Darlington Pwr Amp (Compl to ECG258)	80	80	5	5	70	---	750 min	TO-127	T46
ECG258	PNP-Si, Darlington Pwr Amp (Compl to ECG257)	80	80	5	5	70	---	750 min	TO-127	T46
ECG259	NPN-Si, Darlington Pwr Amp (Compl to ECG260)	100	100	5	8	75	---	2500 typ	TO-127	T46

Notes: * MP - Matched pair

Package Outlines - See Page 1-76

Frequency at which common emitter current gain is 70.0% of low frequency gain

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Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package	
									Case	Fig. No.
ECG260	PNP-Si, Darlington Pwr Amp (Compl to ECG259)	100	100	5	8	75	---	2500 typ	TO-127	T46
ECG261	NPN-Si, Darlington Pwr Amp (Compl to ECG262)	100	100	5	8	65	---	1000 min	TO-220	T41
ECG262	PNP-Si, Darlington Pwr Amp (Compl to ECG261)	100	100	5	8	65	---	1000 min	TO-220	T41
ECG263	NPN-Si, Darlington Pwr Amp (Compl to ECG264)	100	100	5	10	65	---	1000 min	TO-220	T41
ECG264	PNP-Si, Darlington Pwr Amp (Compl to ECG263)	100	100	5	10	65	---	1000 min	TO-220	T41
ECG265	NPN-Si, Darlington Pwr Amp, Switch	50	50	13	.5	6.25	---	10000 min	TO-202	T38
ECG266	NPN-Si, Darlington Pwr Amp, Switch	50	50	13	.5	6.25	---	40000 min	TO-202	T38
ECG267	NPN-Si, Darlington Pwr Amp, Switch	30	30	13	.5	6.25	---	90000 min	TO-202	T38
ECG268	NPN-Si, Darlington Pwr Amp (Compl to ECG269)	50	50	13	2	10	---	1000 min	TO-202	T38
ECG269	PNP-Si, Darlington Pwr Amp (Compl to ECG268)	50	50	13	2	10	---	1000 min	TO-202	T38
ECG270	NPN-Si, Darlington Pwr Amp, Switch (Compl to ECG271)	100	100	5	10	125	---	1000 min	TO-3P (TO-218)	T48
ECG271	PNP-Si, Darlington Pwr Amp, Switch (Compl to ECG270)	100	100	5	10	125	---	1000 min	TO-3P (TO-218)	T48
ECG272	NPN-Si, Darlington Pwr Amp, Switch (Compl to ECG273)	50	40	12	2	10	---	25000 min	TO-202N	T36
ECG273	PNP-Si, Darlington Pwr Amp, Switch (Compl to ECG272)	50	40	12	2	10	---	25000 min	TO-202N	T36
ECG274	NPN-Si, Darlington Pwr Amp, Switch (Compl to ECG275)	80	80	5	4	50	---	3000 typ	TO-66	T25
ECG275	PNP-Si, Darlington Pwr Amp, Switch (Compl to ECG274)	80	80	5	4	50	---	3000 typ	TO-66	T25
ECG278	NPN-Si, Broad Band RF Amp	40	30	4	.4	3.5	1200 min	30 min	TO-39	T6
ECG280 **ECG280MP***	NPN-Si, AF Pwr Amp (Compl to ECG281)	140	140	5	12	100	6	70 min	TO-3	T28
ECG281 **ECG281MCP**	PNP-Si, AF Pwr Amp (Compl to ECG280) Matched Compl Pair-Contains one each ECG280 (NPN) and ECG281 (PNP)	140	140	5	12	100	6	70 min	TO-3	T28
ECG283	NPN-Si, HV-Hi Current Sw, Horiz Output	800	325	8	10	100	6	15 min	TO-3	T28
ECG284 **ECG284MP***	NPN-Si, AF Pwr Amp (Compl to ECG285)	180	180	5	16	150	6	70 min	TO-3	T28
ECG285 **ECG285MCP**	PNP-Si, AF Pwr Amp (Compl to ECG284) Matched Compl Pair-Contains one each ECG284 (NPN) and ECG285 (PNP)	180	180	5	16	150	6	70 min	TO-3	T28
ECG286	NPN-Si, Pwr Amp, Sw, Horiz Output	300	250	6	2	25	8	100 min	TO-66	T25
ECG287	NPN-Si, HV Gen Purp Amp (Compl to ECG288)	300	300	6	.5	.625 ($T_A = 25°C$)	50	40 min	TO-92	T16
ECG288	PNP-Si, HV Gen Purp Amp (Compl to ECG287)	300	300	5	.5	.625 ($T_A = 25°C$)	50	40 min	TO-92	T16
ECG289A **ECG289AMP***	NPN-Si, AF Pwr Amp (Compl to ECG290A)	100	80	5	.5	.500 ($T_A = 25°C$)	120	100 min	TO-92	T16

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Package Outlines - See Page 1-76

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package Case	Package Fig. No.
ECG290A **ECG290AMCP**	PNP-Si, AF Pwr Amp (Compl to ECG289A) Matched Compl Pair-Contains one each ECG289A (NPN) and ECG290A (PNP)	100	80	5	.5	.500 ($T_A = 25°C$)	120	100 min	TO-92	T16
ECG291	NPN-Si, Pwr Amp, Sw (Compl to ECG292)	130	120	5	4	40	4 min	75 typ	TO-220	T41
ECG292 **ECG292MCP**	PNP-Si, Pwr Amp, Sw (Compl to ECG291) Matched Compl Pair-Contains one each ECG291 (NPN) and ECG292 (PNP)	130	120	5	4	40	4 min	75 typ	TO-220	T41
ECG293 **ECG293MP***	NPN-Si, AF Pwr Amp (Compl to ECG294)	60	50	5	1	1 W (Heat Sink) .75 ($T_A = 25°C$)	200	120 min	T-16	T20
ECG294	PNP-Si, AF Pwr Amp (Compl to ECG293)	60	50	5	1	1 W (Heat Sink) .75 ($T_A = 25°C$)	200	120 min	T-16	T20
ECG295	NPN-Si, RF Output/Driver	75	40	5	1	5	150 min	20 min	TO-126	T45
ECG296	PNP-Si, HV AF Amp, Video Output (Compl to ECG171)	300	300	5	.5	10 ($T_C = 25°C$) 2 ($T_A = 25°C$)	50	40 typ	TO-202	T38
ECG297 **ECG297MP***	NPN-Si, AF Driver, Pwr Amp (Compl to ECG298)	80	80	5	1 peak	.75 ($T_A = 25°C$)	120	130 min	T-16	T20
ECG298	PNP-Si, AF Driver/Pwr Amp (Compl to ECG297)	80	80	5	1 peak	.75 ($T_A = 25°C$)	120	130 min	T-16	T20
ECG299	NPN-Si, RF Driver/Pwr Amp	75	35	4	1	4	200	10 min	TO-202	T38
ECG300 **ECG300MP***	NPN-Si, AF Pwr Output (Compl to ECG307)	50	40	5	1.5	7	70	90 min	TO-202	T38
ECG302	NPN-Si, RF Driver/Pwr Amp	100	50	6	1.5 peak	8	80	200 min	TO-202J	T37
ECG304A	Transistor Kit - See Page 1-54	---	---	---	---	---	---	---	---	---
ECG306	NPN-Si, RF Driver/Pwr Amp	100	50	6	1.5 peak	8	80	200 min	TO-202J	T37
ECG307	PNP-Si, AF Pwr Output (Compl to ECG300)	50	40	5	1.5	7	70	90 min	TO-202	T38
ECG311	NPN-Si, VHF/UHF Osc, Amp, Driver	55	30	3.5	.4	5	800 min	25 min	TO-39	T6
ECG312	See FET Selector Guide Page 1-57	--	---	---	---	---	---	---	---	---
ECG313	NPN-Si, VHF Tuner, RF Amp	30	30	4	20 mA	.15 ($T_A = 25°C$)	400 min	25 min	RF-15	T49
ECG315	NPN-Si, RF Driver	100	50	6	1	.75 ($T_A = 25°C$)	80	200 typ	SC-51	T19
ECG316	NPN-Si, Lo Noise UHF Amp (NF 4.5 dB max, 450 MHz)	30	15	3.5	50 mA	.200 ($T_A = 25°C$)	1400	25 min	TO-72	T4
ECG317	NPN-Si, RF Pwr Output (P_O 70 W, 30 MHz)	36	36 (CES)	4	15	220	---	10 min	RF-50F	T58
ECG318	NPN-Si, RF Pwr Output (P_O 50 W, 30 MHz)	36	36 (CES)	4	6	80	---	5 min	RF-50F	T58
ECG319P	NPN-Si, AGC Controlled IF Amp (Includes Metal Shield)	40	30	4	.05	.5 ($T_A = 25°C$)	300 min	35 typ	TO-92	T16
ECG320	NPN-Si, RF Pwr Output (P_O 40 W, 175 MHz)	36	36 (CES)	4	6	80	200 min	5 min	RF-50SS	T55
ECG320F	NPN-Si, RF Pwr Out (P_O 40 W, 175 MHz)	36	18	4	6	80	200 min	5 rnin	RF-38F	T57

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Package Outlines - See Page 1-76

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package Case	Package Fig. No.
ECG321	NPN-Si, Horiz Defl	1600	700	5	1.5	15 ($T_C = 25°C$)	---	1.5 min	TO-66	T25
ECG322	NPN-Si, RF Pwr Amp (P_O 3.5 W min, 27 MHz)	65	65 (CES)	3	.5	10	100	10 min	TO-202N	T36
ECG323	PNP-Si, AF Pwr Amp (Compl to ECG324)	120	100	5	2	1 ($T_A = 25°C$)	30	50 min	TO-39	T6
ECG324	NPN-Si, AF Pwr Amp (Compl to ECG323)	120	100	5	2	1 ($T_A = 25°C$)	50	50 min	TO-39	T6
ECG325	NPN-Si, RF PO, 14-30 MHz, 50 W	40	20	4	7.5	115	---	---	RF-38S	T53
ECG326	See FET Selector Guide Page 1-57	---	---	---	---	---	---	---	---	---
ECG327	NPN-Si, Pwr Amp, Sw, $t_f = 250$ nsec	180	150	6	25	200	40	30 min 120 max	TO-3	T28
ECG328	NPN-Si, Pwr Amp, Sw	150	130	7	15	140	60	12 min 100 max	TO-3	T28
ECG329	NPN-Si, RF Pwr Amp (P_O 3.5 W min, 27 MHz)	60	30	2.5	1.5 peak	5	---	---	TO-39	T6
ECG330, W	PNP-Ge, Fast Pwr Sw	---	40	1.4	25	170	---	12 typ	TO-36	T29
ECG331 **ECG331MP***	NPN-Si, AF PO, Reg, Sw (Compl to ECG332)	100	100	5	15	90	3 min	40 typ	TO-220	T41
ECG332 **ECG332MCP**	PNP-Si, AF PO, Reg, Sw (Compl to ECG331) Matched Compl Pair-Contains one each ECG331 (NPN) and ECG332 (PNP).	100	100	5	15	90	3 min	40 typ	TO-220	T41
ECG333	NPN-Si, RF PO, 14-30 MHz, 60 W	36 (CES)	18	4	15	175	---	10 min	RF-38F	T57
ECG334	NPN-Si, RF PO, 14-30 MHz, 60 W	36 (CES)	18	4	15	175	---	10 min	RF-38S	T53
ECG335	NPN-Si, RF PO, 14-30 MHz, 80 W	45	25	4	20	250	---	10 min	RF-50F	T58
ECG336	NPN-Si, RF PO, 14-30 MHz, 80 W	45	25	4	20	250	---	10 min	RF-50S10	T54
ECG337	NPN-Si, RF Driver, 27-50 MHz, 8 W	36	18	4	2	20	---	5 min	RF-38S	T53
ECG338	NPN-Si, RF Driver & Output, 27-50 MHz, 20 W	48	24	4	3.5	50	---	15 typ	RF-38S	T53
ECG338F	NPN-Si, RF Driver & Output, 27-50 MHz, 20 W	36	18	4	4.5	80	---	10 min	RF-38F	T57
ECG339	NPN-Si, RF PO, 27-50 MHz, 40 W	48	24	4	7	100	---	3 min	RF-50S10	T54
ECG340	NPN-Si, RF PO, Driver, 136-174 MHz, 600 mW	36	18	4	.5	.750 ($T_A = 25°C$)	---	70 typ	T-16	T20
ECG341	NPN-Si, RF PO, 136-174 MHz, 4 W	36	18	4	.640	8	---	5 min	TO-39EC	T7•
ECG342	NPN-Si, RF PO, 136-174 MHz, 7 W	35	17	4	2	12.5	---	50 typ	TO-220EC	T42•
ECG343	NPN-Si, RF PO, 136-174 MHz, 14 W	35	17	4	3.5	25	---	50 typ	TO-220EC	T42•
ECG344	NPN-Si, RF PO, 136-174 MHz, 30 W	35	17	4	7	50	---	50 typ	RF-28F6	T59
ECG345	NPN-Si, RF PO, 136-174 MHz, 30 W	36	18	4	4	65	---	5 min	RF-38S	T53
ECG346	NPN-Si, RF Driver & Predriver, 136-174 MHz, 1 W	40	20	2	.4	1 ($T_A = 25°C$) 3.5 ($T_C = 25°C$)	500	10 min	TO-39	T6

Notes: * MP - Matched pair

Frequency at which common emitter current gain is 70.0% of low frequency gain

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Package Outlines - See Page 1-76

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package	
									Case	Fig. No.
ECG347	NPN-Si, RF PO, 136-174 MHz, 3 W	36	18	4	.6	15	---	5 min	RF-38SM	T51
ECG348	NPN-Si, RF PO, 136-174 MHz, 4 W	36	18	4	1	12	---	5 min	RF-38S	T53
ECG349	NPN-Si, RF PO, 136-174 MHz, 10 W	36	18	4	2	30	---	5 min	RF-38S	T53
ECG350	NPN-Si, RF PO, 136-174 MHz, 15 W	36	18	4	2.5	31	---	5 min	RF-38S	T53
ECG350F	NPN-Si, RF PO, 136-174 MHz, 15 W	36	18	4	2.5	31	---	5 min	RF-38F	T57
ECG351	NPN-Si, RF PO, 136-174 MHz, 25 W	36	18	4	4	65	---	5 min	RF-38S	T53
ECG352	NPN-Si, RF PO, 136-174 MHz, 80 W	36	18	4	20	250	---	35 typ	RF-50F6	T60
ECG353	PNP-Si, RF PO, 136-174 MHz, 4 W	36	18	4	1	8	---	5 min	RF-38F	T57
ECG354	PNP-Si, RF PO, 136-174 MHz, 15 W	36	18	4	2.5	20	---	5 min	RF-38F	T57
ECG355	PNP-Si, RF PO, 136-174 MHz, 30 W	36	18	4	4	40	---	5 min	RF-38F	T57
ECG356	PNP-Si, RF PO, 136-174 MHz, 40 W	36	18	4	6	60	---	5 min	RF-38F	T57
ECG357	NPN-Si, RF PO, 30-200 MHz, 7 W	65	35	4	1	15	---	5 min	RF-38SM	T51
ECG359	NPN-Si, RF PO, 30-200 MHz, 20 W	65	35	4	3	30	---	5 min	RF-38S	T53
ECG360	NPN-Si, RF PO, 30-200 MHz, 40 W	65	35	4	5	60	---	5 min	RF-38S	T53
ECG361	NPN-Si, RF PO, 407-512 MHz, 2 W	36	16	4	.4	5	---	20 min	TO-39EC	T7•
ECG362	NPN-Si, RF PO, 407-512 MHz, 2 W	36	16	4	.4	5	---	20 min	RF-28S	T52
ECG363	NPN-Si, RF PO, 407-512 MHz, 4 W	36	16	4	.8	15	---	20 min	RF-28S	T52
ECG364	NPN-Si, RF PO, 407-512 MHz, 10 W	36	16	4	2	37.5	---	20 min	RF-28S	T52
ECG365	NPN-Si, RF PO, 407-512 MHz, 15 W	36	16	4	3	50	---	30 min	RF-50F6	T60
ECG366	NPN-Si, RF PO, 407-512 MHz, 25 W	36	16	4	5	75	---	20 min	RF-50F6	T60
ECG367	NPN-Si, RF PO, 407-512 MHz, 45 W	36	16	4	8	175	---	20 min	RF-50F6	T60
ECG368	NPN-Si, RF PO, 407-512 MHz, 60 W	36	16	4	10	233	---	20 min	RF-50F6	T60
ECG369	NPN-Si, Vert PO, Sw, AF Amp	800	400	6	3.0 peak	40	7	30 min	TO-66	T25
ECG373	NPN-Si, AF Driver (Compl to ECG374)	180	160	5	1.5	1 ($T_A = 25°C$) 20 ($T_C = 25°C$)	140	100 typ	TO-126	T45
ECG374	PNP-Si, AF Driver (Compl to ECG373)	180	160	5	1.5	1 ($T_A = 25°C$) 20 ($T_C = 25°C$)	140	100 typ	TO-126	T45
ECG375	NPN-Si, Vert Defl, AF Amp (Compl to ECG398)	200	150	6	3	25	8	150 typ	TO-220	T41

Notes: * MP - Matched pair

Frequency at which common emitter current gain is 70.0% of low frequency gain

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Package Outlines - See Page 1-76

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Othe

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t			
ECG376	NPN-Si, Pwr Amp	300	300	5	.15	1.5 ($T_A = 25°C$) 15 ($T_C = 25°C$)	80			
ECG377	NPN-Si, Pwr Driver, PO, Sw, Reg (Compl to ECG378)	80	80	5	10	50	50	60 min	TO-220	T41
ECG378	PNP-Si, Pwr Driver, PO, Sw, Reg (Compl to ECG377)	80	80	5	10	50	50	60 min	TO-220	T41
ECG379	NPN-Si, HV Hi Speed Pwr Sw	700	400	9	12	100	4 min	20 typ	TO-220	T41
ECG380 **ECG380MP***	NPN-Si, AF Pwr Amp (Compl to ECG381)	150	120	5	7	80	6	60 typ	TB-33	T43
ECG381	PNP-Si, AF Pwr Amp (Compl to ECG380)	150	120	5	5	80	9	60 typ	TB-33	T43
ECG382	NPN-Si, AF Driver (Compl to ECG383)	120	100	5	1	.9 ($T_A = 25°C$)	140	200 typ	TO-92M	T18
ECG383	PNP-Si, AF Driver (Compl to ECG382)	120	100	5	1	.9 ($T_A = 25°C$)	140	200 typ	TO-92M	T18
ECG384	NPN-Si, Sw, Linear Amp	375	350	9	7	45	1 min	20 typ	TO-66	T25
ECG385	NPN-Si, HV Hi Speed Sw	550	350	6	10	150	---	20 typ	TO-3	T28
ECG386	NPN-Si, HV Hi Speed Sw	800	500	6	20	175	---	30 typ	TO-3	T28
ECG387 **ECG387MP***	NPN-Si, Pwr Amp, Sw	180	150	6	50	250	30 min	70 Typ	TO-3	T28A
ECG388	NPN-Si, Hi Pwr AF Amp (Compl to ECG68)	400	250	5	16	250	4 min	30 typ	TO-3	T28
ECG389	NPN-Si, Horiz Output	1500	1500 (CES)	5	4	100	4 min	5 min	TO-3	T28
ECG390	NPN-Si, Pwr Amp, Hi Speed Sw (Compl to ECG391)	100	100	5	10	80	3	40 min	TO-3P (TO-218)	T48
ECG391	PNP-Si, Pwr Amp, Hi Speed Sw (Compl to ECG390)	100	100	5	10	80	3	40 min	TO-3P (TO-218)	T48
ECG392	NPN-Si, Pwr Amp, Hi Speed Sw (Compl to ECG393)	100	100	5	25	125	3	25 min	TO-3P (TO-218)	T48
ECG393	PNP-Si, Pwr Amp, Hi Speed Sw (Compl to ECG392)	100	100	5	25	125	3	25 min	TO-3P (TO-218)	T48
ECG394	NPN-Si, HV Pwr Amp, Sw	500	400	5	3	100	2.5	30 min	TO-3P (TO-218)	T48
ECG395	PNP-Si, Wide Band VHF/UHF Amp, Osc	30	25	3	50 mA	.360 ($T_A = 25°C$)	2.3 GHz	25 min	TO-72	T4
ECG396	NPN-Si, Linear Amp & Hi Speed Sw (Compl to ECG397)	450	350	7	1	10	15 min	60 typ	TO-39	T6
ECG397	PNP-Si, LInear Amp & Hi Speed Sw (Compl to ECG396)	350	300	6	1	10	15 min	50 typ	TO-39	T6
ECG398	PNP-Si, Vertical Defl, Audio Amp (Compl to ECG375)	200	150	5	2	25	5	100 typ	TO-220	T41
ECG399	NPN-Si, HV Video Output	300	300	6	.1	.9 ($T_A = 25°C$)	50 min	100 min	T-16	T20
ECG451 thru ECG467	See FET Selector Guide Page 1-57	---	---	---	---	---	---	---	---	---
ECG470	NPN-Si, RF PO, 2-30 MHz, 100 W, 12.5 V	36	18	4	20	250	---	10 min	RF-50F	T58
ECG471	NPN-Si, RF PO, 2-30 MHz, 100 W, 28 V	65	36	4	15	250	---	10 min	RF-50F	T58
ECG472	NPN-Si, RF Driver, PO, 136-174 MHz, 1.8 W	36	16	4	.400	5	400 min	20 min	TO-39	T6
ECG473	NPN-Si, RF Driver, PO, 136-174 MHz, 2.2 W	36	18	4	1	7	---	10 min	TO-39	T6

Notes: * MP - Matched pair

Frequency at which common emitter current gain is 70.0% of low frequency gain

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Package Outlines - See Page 1-76

...tors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

...Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package	
									Case	Fig. No.
...CG474	NPN-Si, RF PO, 88 MHz, 6 W, 174 MHz, 3 W	36	18	4	.600	9.5	---	5 min	TO-202EC	T40
ECG475	NPN-Si, RF PO, 136-174 MHz, 7 W	36	18	4	1.5	11.5	350	10 typ	TO-60	T56
ECG476	NPN-Si, RF PO, 136-174 MHz, 12 W	36	18	4	3	23	350	10 typ	TO-60	T56
ECG477	NPN-Si, RF PO, 136-174 MHz, 45 W	36	18	4	6	75	---	20 typ	RF-50F6	T60
ECG478	NPN-Si, RF PO, 136-174 MHz, 100 W	36	18	4	15	270	---	10 min	RF-50F6	T60
ECG479	NPN-Si, RF PO, 407-512 MHz, 1.8 W	36	14	3.5	.400	3.5	---	20 min	TO-39	T6
ECG480	NPN-Si, RF PO, 407-512 MHz, 40 W	36	16	4	8	145	---	20 min	RF-50F6	T60
ECG481	NPN-Si, RF PO, 806-870 MHz, 6 W	36	16	4	5	28	---	20 min	RF-38F6B	T61
ECG482	NPN-Si, RF PO, 806-870 MHz, 15 W	36	16	4	7	46	---	20 min	RF-23F6E	T63
ECG483	NPN-Si, RF PO, 806-870 MHz, 18 W	36	16	4	7	46	---	20 min	RF-38F6B	T61
ECG484	NPN-Si, RF PO, 806-870 MHz, 25 W	36	16	4	10	75	---	20 min	RF-38F6B	T61
ECG485	NPN-Si, RF PO, 806-870 MHz, 25 W	36	18	4	7.5	70	---	15 min	RF-23F6	T62
ECG486	NPN-Si, RF Multiplier Amp, 407-512 MHz, .75 W	35	20	4	.15	2.5	1800 min	20 min	TO-39	T6
ECG487	NPN-Si, RF Multiplier Amp, 136-174 MHz, 1 W	36	18	4	.400	5	400 min	20 min	TO-39A	T8
ECG488	NPN-Si, RF PO, Driver, 136-174 MHz, 4 W	36	18	4	.800	8	---	5 min	TO-39EG	T9
ECG2300	NPN-Si, HV Horiz Output, Sw, $t_f = .7$ μsec typ	1500	700	6	8	125	7	5	TO-3P (TO-218)	T48
ECG2301	NPN-Si, HV Horiz Output, Sw, $t_f = .4$ μsec typ	1500	750	5	5	100	4	5	TO-3P (TO-218)	T48
ECG2302	NPN-Si, Horiz Output/Damper Diode, $t_f = .7$ μsec max	1500	800	7	5	120	3	8 min	TO-3PJ	T48-1
ECG2303	NPN-Si, Horiz Output, Sw, $t_f = .65$ μsec typ	1500	750	5	2.5	65	4	4	TO-220	T41
ECG2304	NPN-Si, Hi Speed Sw, Amp, $t_f = .1$ μsec typ (Compl to ECG2314)	60	50	6	15	90	20	100 min	TO-3PJ	T48-1
ECG2305	NPN-Si, Pwr Amp, Sw, $t_f = 1.2$ μsec typ (Compl to ECG2306)	160	160	7	16	125	1 min	60 min	TO-3P (TO-218)	T48
ECG2306	PNP-Si, Pwr Amp, Sw, $t_f = 1.2$ μsec typ (Compl to ECG2305)	160	160	7	16	125	1 min	60 min	TO-3P (TO-218)	T48
ECG2307	NPN-Si, Hi Gain Amp, Series Pass	200	180	5	5	80	---	500 min	TO-3PJ	T48-1
ECG2308	NPN-Si, Hi Speed Sw, Series Pass, $t_f = 1$ μsec max	500	400	7	12	100	20	15 min	TO-3PJ	T48-1
ECG2309	NPN-Si, HV Hi Speed Sw, $t_f = .7$ μsec max)	900	800	7	6	100	15	10 min	TO-3PJ	T48-1
ECG2310	NPN-Si, HV Hi Speed Sw, $t_f = .8$ μsec max	1000	450	9	8	125	---	10 min	TO-3P (TO-218)	T48
ECG2311	NPN-Si, HV Hi Speed Sw, Hi Current, $t_f = .3$ μsec typ	1000	450	7	15	150	---	10	TO-3P (TO-218)	T48

Notes: * MP - Matched pair

Frequency at which common emitter current gain is 70.0% of low frequency gain

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Package Outlines - See Page 1-76

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package Case	Package Fig. No.
ECG2312	NPN-Si, HV Hi Speed Sw, $t_f = 0.7$ μsec typ	700	400	9	8	80	4 min	5 min	TO-220	T41
ECG2313	NPN-Si, HV Hi Speed Sw, $t_f = 0.4$ μsec typ	1000	450	5	2	40	20 typ	50 typ	TO-220	T41
ECG2314	PNP-Si, Hi Speed Sw, $t_f = 0.1$ μsec typ (Compl to ECG2304)	60	50	6	15	90	20	100 min	TO-3PJ	T48-1
ECG2315	NPN-Si, Darlington w/Damper Diode, HV Hi Speed Sw, $t_f = .2$ μsec typ	400	200	6	8	60	---	100 min	TO-220	T41
ECG2316	NPN-Si, Darlington Driver w/ Damper Diode, HV Pwr Amp	500	450	5	10	105	---	100 min	TO-3P (TO-218)	T48
ECG2317	NPN-Si, Darlington Driver w/ Damper Diode, HV Hi Current Amp	500	450	5	15	105	---	40 min	TO-3P (TO-218)	T48
ECG2318	NPN-Si, HV, Horiz Output w/Damper Diode, $t_f = 0.7$ μsec typ	1500 (CES)	700	6	8	125	7	5 typ	TO-3P (TO-218)	T48
ECG2319	NPN-Si, HV, Hi Speed Sw, Hi Current, $t_f = .27$ μsec typ	850 (CES)	450	5	15	175	---	6 min	TO-3	T28
ECG2320	NPN/PNP-Si, Quad Discrete Compl Pair, Sw, $t_{on} = 30$ ns, $t_{off} = 225$ ns typ	60	30	5	.5	1 unit 3 total	350	100 min	14-Pin DIP	T66
ECG2321	NPN-Si, Quad Gen Purp Amp, Sw, $t_{on} = 25$ ns, $t_{off} = 250$ ns typ	60	40	5	.5	.65 unit 1.9 total	350	100 min	14-Pin DIP	T66
ECG2322	PNP-Si, Quad Gen Purp Amp, Sw, $t_{on} = 30$ ns, $t_{off} = 225$ ns typ	60	40	5	.5	.65 unit 1.9 total	350	100 min	14-Pin DIP	T66
ECG2323	NPN-Si, Quad HV Amp, Driver	200	200	5	.5	.75 unit 1.7 total	80	60	14-Pin DIP	T66
ECG2326	NPN-Si, Darlington w/Damper Diode, Sw, $t_f = 1.2$ μsec typ	150	100	7	8	40	---	3K min	TO-220F	T42-1
ECG2327	NPN-Si, HV, Hi Speed Sw, $t_f = 0.4$ μsec typ	1000	450	5	.5	20	20	50 typ	TO-126	T45
ECG2328	NPN-Si, HV AF Pwr Amp (Compl to ECG2329)	200	200	5	15	150	30	55 min	TO-3PL	T48-2
ECG2329	PNP-Si, HV AF Pwr Amp (Compl to ECG2328)	200	200	5	15	150	30	55 min	TO-3PL	T48-2
ECG2330	NPN-Si, Hi Gain Amp, Regulator w/Int. Zener Cntrl	55^{+15}_{-10}	55^{+15}_{-10}	5	4	80	---	500 min	TO-3PJ	T48-1
ECG2332	NPN-Si, Darlington w/Damper Diode, Int. Zener Cntrl, Drvr, Sw, $t_f = .5$ μsec	60 ± 10	60 ± 10	6	2	20	180	4K typ	TO-220	T41
ECG2334	NPN-Si, Darlington w/Damper Diode, Int. Zener Cntrl, Drvr, Sw, $t_f = 1.5$ μsec	60 ± 10	60 ± 10	6	5	40	20	4K typ	TO-220	T41
ECG2336	NPN-Si, Darlington w/Damper Diode, Int. Zener Cntrl, Drvr, Sw, $t_f = 1$ μsec	60 ± 10	60 ± 10	7	8	45	---	2K min	TO-220J	T41-1
ECG2338	NPN-Si, Darlington w/Damper Diode, Int. Zener Cntrl, Drvr, Sw, $t_f = 1$ μsec	60 ± 10	60 ± 10	8	2	10	---	4K min	TO-126	T45
ECG2340	NPN-Si, Darlington w/Damper Diode, Int. Zener Cntrl, Drvr, Sw, $t_f = 1$ μsec	60 ± 10	60 ± 10	7	8	45	---	2K min	TO-126N	T45-1
ECG2341	NPN-Si, Darlington, Driver, Sw, $t_{off} = 1.5$ μsec (Compl to ECG2342)	90	80 (CER)	5	1	.800	---	2K min	TO-92	T16
ECG2342	PNP-Si, Darlington, Driver, Sw, $t_{off} = 1.5$ μsec (Compl to ECG2341)	90	80 (CER)	5	1	.800	---	2K min	TO-92	T16

Notes: * MP - Matched pair

Frequency at which common emitter current gain is 70.0% of low frequency gain

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Package Outlines - See Page 1-76

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package	
									Case	Fig. No.
ECG2343	NPN-Si, Darlington Pwr Amp, Sw, $t_{off} = 6$ μsec typ (Compl to ECG2344)	120	120	5	12	125	---	1K min	TO-220	T41
ECG2344	PNP-Si, Darlington Pwr Amp, Sw, $t_{off} = 2.5$ μsec typ (Compl to ECG2343)	120	120	5	12	125	---	1K min	TO-220	T41
ECG2345	NPN-Si, Darlington Pwr Amp, Sw, $t_{off} = 5$ μsec typ (Compl to ECG2346)	120	120	5	6	60	---	750 min	SOT-82	T45-2
ECG2346	PNP-Si, Darlington Pwr Amp, Sw, $t_{off} = 5$ μsec typ (Compl to ECG2345)	120	120	5	6	60	---	750 min	SOT-82	T45-2
ECG2349	NPN-Si, Darlington, Hi Current, Gen Purp Amp (Compl to ECG2350)	120	120	5	50	300	---	1000 min	TO-3	T28-1
ECG2350	PNP-Si, Darlington, Hi Current, Gen Purp Amp (Compl to ECG2349)	120	120	5	50	300	---	1000 min	TO-3	T28-1
ECG2355	NPN-Si, Digital w/Base Resistor (10K), Sw, Driver (Compl to ECG2356)	50	50	10	.100	.300	250	30 min	SP-92	T13-1
ECG2356	PNP-Si, Digital w/Base Resistor (10K), Sw, Driver (Compl to ECG2355)	50	50	10	.100	.300	250	30 min	SP-92	T13-1
ECG2357	NPN-Si, Digital w/Base Resistor (22K), Sw, Driver (Compl to ECG2358)	50	50	10	.100	.300	250	50 min	SP-92	T13-1
ECG2358	PNP-Si, Digital w/Base Resistor (22K), Sw, Driver (Compl to ECG2357)	50	50	10	.100	.300	250	50 min	SP-92	T13-1
ECG2359	NPN-Si, Digital w/Base Resistor (47K), Sw, Driver (Compl to ECG2360)	50	50	10	.100	.300	250	65 min	SP-92	T13-1
ECG2360	PNP-Si, Digital w/Base Resistor (47K), Sw, Driver (Compl to ECG2359)	50	50	10	.100	.300	250	65 min	SP-92	T13-1
ECG2380 thru ECG2384	See FET Selector Guide Page 1-59	---	---	---	---	---	---	---	---	---
ECG2386	See FET Selector Guide Page 1-59	---	---	---	---	---	---	---	---	---
ECG2388	See FET Selector Guide Page 1-59	---	---	---	---	---	---	---	---	---
ECG2390	See FET Selector Guide Page 1-59	---	---	---	---	---	---	---	---	---
ECG2392	See FET Selector Guide Page 1-59	---	---	---	---	---	---	---	---	---
ECG2401	PNP-Si, RF Amp, Osc, Mixer, VHF/FM	30	30	4	25 mA	.300	450 typ	---	SOT-23	T20-4
ECG2402	NPN-Si, Lo Noise, UHF/VHF Amp, G_{PE} 15 dB Typ (Compl to ECG2403)	20	15	2	25 mA	.200	5 GHz	40 min	SOT-23	T20-4
ECG2403	PNP-Si, Lo Noise, UHF/VHF Amp, G_{PE} 18 dB Typ (Compl to ECG2402)	20	15	2	25 mA	.200	5 GHz	20 min	SOT-23	T20-4
ECG2404	NPN-Si, Darlington, Gen Purp Amp, Preamp, Driver (Compl to ECG2405)	40	30	10	.300	.350	220	4K min	SOT-23	T20-4
ECG2405	PNP-Si, Darlington, Gen Purp Amp, Preamp, Driver (Compl to ECG2404)	40	30	10	.300	.350	220	4K min	SOT-23	T20-4

Notes: * MP - Matched pair

Frequency at which common emitter current gain is 70.0% of low frequency gain

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Package Outlines - See Page 1-76

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package	
									Case	Fig. No.
ECG2406	NPN-Si, AF/RF Amp, Driver, Sw, $t_f = 60$ nsec (Compl to ECG2407)	75	40	5	.800	.425	300	100 min	SOT-23	T20-4
ECG2407	PNP-Si, AF/RF Amp, Driver, Sw, $t_f = 30$ nsec (Compl to ECG2406)	60	60	5	.600	.425	200	100 min	SOT-23	T20-4
ECG2408	NPN-Si, Gen Purp Amp, Lo Noise, AF/RF (Compl to ECG2409)	80	65	5	.100	.200	300	300 typ	SOT-23	T20-4
ECG2409	PNP-Si, Gen Purp Amp, Lo Noise, AF/RF (Compl to ECG2408)	80	65	5	.100	.200	150	350 typ	SOT-23	T20-4
ECG2410	NPN-Si, Gen Purp, HV, Driver, Amp (Compl to ECG2411)	180	160	6	.600	.350	300	80 min	SOT-23	T20-4
ECG2411	PNP-Si, Gen Purp, HV, Driver, Amp (Compl to ECG2410)	160	150	5	.600	.350	300	60 min	SOT-23	T20-4
ECG2412	NPN-Si, Gen Purp, HV Amp (Compl to ECG2413)	300	300 (CER)	5	50 mA	.310	60	50 min	SOT-23	T20-4
ECG2413	PNP-Si, Gen Purp, HV Amp (Compl to ECG2412)	300	300 (CER)	5	50 mA	.310	60	50 min	SOT-23	T20-4
ECG2414	NPN-Si, Digital w/Base Resistor (10K), Sw, Driver (Compl to ECG2415)	50	50	10	.100	.200	250	30 min	SOT-23	T20-4
ECG2415	PNP-Si, Digital w/Base Resistor (10K), Sw, Driver (Compl to ECG2414)	50	50	10	.100	.200	250	30 min	SOT-23	T20-4
ECG2416	NPN-Si, Digital w/Base Resistor (22K), Sw, Driver (Compl to ECG2417)	50	50	10	.100	.200	250	50 min	SOT-23	T20-4
ECG2417	PNP-Si, Digital w/Base Resistor (22K), Sw, Driver (Compl to ECG2416)	50	50	10	.100	.200	250	50 min	SOT-23	T20-4
ECG2418	NPN-Si, Digital w/Base Resistor (47K), Sw, Driver, (Compl to ECG2419)	50	50	10	.100	.200	250	65 min	SOT-23	T20-4
ECG2419	PNP-Si, Digital w/Base Resistor (47K), Sw, Driver, (Compl to ECG2418)	50	50	10	.100	.200	250	65 min	SOT-23	T20-4
ECG2426	NPN-Si, Darlington Driver, Sw, $t_{off} = 1.5$ µsec (Compl to ECG2427)	90	80 (CER)	5	.500	1	---	2K min	SOT-89	T20-5
ECG2427	PNP-Si, Darlington Driver, Sw, $t_{off} = 1.5$ µsec (Compl to ECG2426)	90	80 (CER)	5	.500	1	---	2K min	SOT-89	T20-5
ECG2428	NPN-Si, Gen Purp Amp, Sw, $t_{off} = 1.0$ µsec (Compl to ECG2429)	90	80	5	1	1	100	100 min	SOT-89	T20-5
ECG2429	PNP-Si, Gen Purp Amp, Sw, $t_{off} = 0.7$ µsec (Compl to ECG2428)	90	80	5	1	1	100	100 min	SOT-89	T20-5
ECG2430	NPN-Si, HV, Gen Purp Amp (Compl to ECG2431)	400	350	5	1	1	70	40 min	SOT-89	T20-5
ECG2431	PNP-Si, HV, Gen Purp Amp (Compl to ECG2430)	350	300	4	1	1	15	30 min	SOT-89	T20-5

Notes: * MP - Matched pair

Frequency at which common emitter current gain is 70.0% of low frequency gain

• When alternate packages are shown it indicates a change is in progress. Although only one package is available both packages will be shown as long as the obsolete package may be encountered in the field.

Package Outlines - See Page 1-76

Complementary Pairs

NPN Type	PNP Type
ECG11	ECG12
ECG16	ECG17
ECG18	ECG19
ECG20	ECG21
ECG24	ECG25
ECG29	ECG30
ECG31	ECG32
ECG33	ECG34
ECG36	ECG37
ECG49	ECG50
ECG54	ECG55
ECG58	ECG59
ECG60	ECG61
ECG87	ECG88
ECG90	ECG91
ECG92	ECG93
ECG103	ECG102
ECG103A	ECG102A
ECG123AP	ECG159
ECG128	ECG129
ECG128P	ECG129P
ECG130	ECG219
ECG152	ECG153
ECG155	ECG131

NPN Type	PNP Type
ECG157	ECG39
ECG171	ECG296
ECG175	ECG38
ECG181	ECG180
ECG182	ECG183
ECG184	ECG185
ECG186	ECG187
ECG186A	ECG187A
ECG188	ECG189
ECG191	ECG240
ECG192	ECG193
ECG192A	ECG193A
ECG196	ECG197
ECG210	ECG211
ECG241	ECG242
ECG243	ECG244
ECG245	ECG246
ECG247	ECG248
ECG249	ECG250
ECG251	ECG252
ECG253	ECG254
ECG257	ECG258
ECG259	ECG260
ECG261	ECG262

NPN Type	PNP Type
ECG263	ECG264
ECG268	ECG269
ECG270	ECG271
ECG272	ECG273
ECG274	ECG275
ECG280	ECG281
ECG284	ECG285
ECG287	ECG288
ECG289A	ECG290A
ECG291	ECG292
ECG293	ECG294
ECG297	ECG298
ECG300	ECG307
ECG324	ECG323
ECG331	ECG332
ECG373	ECG374
ECG375	ECG398
ECG377	ECG378
ECG380	ECG381
ECG382	ECG383
ECG388	ECG68
ECG390	ECG391
ECG392	ECG393

NPN Type	PNP Type
ECG396	ECG397
ECG2304	ECG2314
ECG2305	ECG2306
ECG2328	ECG2329
ECG2341	ECG2342
ECG2343	ECG2344
ECG2345	ECG2346
ECG2349	ECG2350
ECG2355	ECG2356
ECG2357	ECG2358
ECG2359	ECG2360
ECG2402	ECG2403
ECG2404	ECG2405
ECG2406	ECG2407
ECG2408	ECG2409
ECG2410	ECG2411
ECG2412	ECG2413
ECG2414	ECG2415
ECG2416	ECG2417
ECG2418	ECG2419
ECG2426	ECG2427
ECG2428	ECG2429
ECG2430	ECG2431

Matched Complementary Pairs —
Contains one each of NPN and PNP Type

ECG Type	Contains One Each NPN Type	PNP Type
ECG37MCP	ECG36	ECG37
ECG55MCP	ECG54	ECG55
ECG61MCP	ECG60	ECG61
ECG68MCP	ECG388	ECG68
ECG88MCP	ECG87	ECG88
ECG93MCP	ECG92	ECG93
ECG129MCP	ECG128	ECG129
ECG153MCP	ECG152	ECG153
ECG159MCP	ECG123AP	ECG159

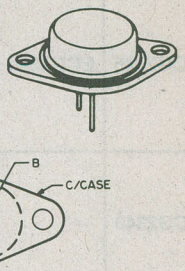
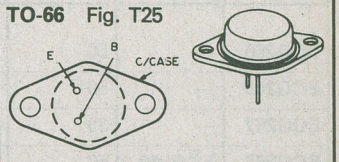
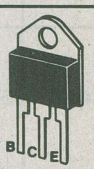
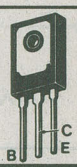
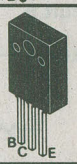
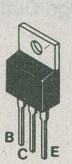
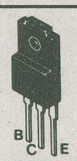
ECG Type	Contains One Each NPN Type	PNP Type
ECG180MCP	ECG181	ECG180
ECG185MCP	ECG184	ECG185
ECG219MCP	ECG130	ECG219
ECG281MCP	ECG280	ECG281
ECG285MCP	ECG284	ECG285
ECG290AMCP	ECG289A	ECG290A
ECG292MCP	ECG291	ECG292
ECG332MCP	ECG331	ECG332

ECG304A Kit

ECG Type	Qty.	ECG Type	Qty.
ECG102	1	ECG154	1
ECG103A	2	ECG157	1
ECG107	1	ECG158	2
ECG108	2	ECG159	5
ECG121	2	ECG160	1
ECG123AP	10	ECG161	2
ECG124	1	ECG171	1
ECG128	4	ECG175	1
ECG129	2	ECG186	1
ECG130	2	ECG196	2
ECG152	2	ECG198	1
ECG153	1	ECG199	2

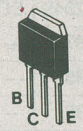
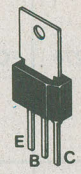
1 - ECG212 Cross Reference Guide and current supplement packed with each kit.

Darlington Power Transistors Maximum Ratings at $T_C = 25°C$

Description NPN	Description PNP	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Emitter To Base Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Base Current I_B mA	Max. Device Diss. P_D Watts	Typ Current Gain h_{FE}	NPN/PNP Equivalent Circuit	Package Case/Fig./Basing
ECG243	ECG244	80	80	5	8	120	100	3,000	A/B	TO-3 Fig. T28 Fig. T28A 
ECG245	ECG246	80	80	5	10	200	150	4,000	A/B	
ECG247	ECG248	100	100	5	12	200	150	3,500	A/B	
ECG249	ECG250	100	100	5	16	500	150	3,500	A/B	
ECG251	ECG252	100	100	5	20	500	160	2,400	A/B	
ECG2349	ECG2350	120	120	5	50	2000	300	1,000 min	A/B	
ECG97	---	500	400	8	10	2500	150	40 min	G	
ECG99	---	600	400	8	50	10,000	250	25 min	G	
ECG98	---	700	500	8	20	2500	175	40 min	G	
ECG274	ECG275	80	80	5	4	80	50	3,000	A/B	TO-66 Fig. T25 
ECG256	---	450	400	8	20	2500	150	30 min	G	TO-3P (TO-218) Fig. T48 TAB CONNECTS TO COLLECTOR 
ECG270	ECG271	100	100	5	10	500	125	1,000 min	E/F	
ECG2316	---	500	450	5	10	5000	105	100 min	A	
ECG2317	---	500	450	5	15	1000	105	40 min	A	
ECG214	---	70	60	6	10	---	60	2,000 min	A	TO-3PJ Fig. T48-1 TAB CONNECTS TO COLLECTOR 
ECG215	---	110	100	6	8	---	60	1,500 min	A	
ECG257	ECG258	80	80	5	5	100	70	750 min	A/B	TO-127 Fig. T46 METAL CONTACT CONNECTS TO COLLECTOR 
ECG259	ECG260	100	100	5	8	120	75	2,500	A/B	
ECG2326	---	150	100	7	8	800	40	3,000 min	A	TO-220F Fig. T42-1 METAL CONTACT CONNECTS TO COLLECTOR 
ECG2332	---	60 ± 10	60 ± 10	6	2	400	20	4,000 typ	H	TO-220 Fig. T41 TAB CONNECTS TO COLLECTOR 
ECG2334	---	60 ± 10	60 ± 10	6	5	500	40	4,000 typ	H	
ECG261	ECG262	100	100	5	8	250	65	1,000 min	A/B	
ECG263	ECG264	100	100	5	10	250	65	1,000 min	A/B	
ECG2343	ECG2344	120	120	5	12	500	125	1,000 min	A/B	
ECG2315	---	400	200	6	8	2000	60	100 min	G	
ECG2336	---	60 ± 10	60 ± 10	7	8	---	45	2,000 min	I	TO-220J Fig. T41-1 
ECG2338	---	60 ± 10	60 ± 10	8	2	200	10	4,000 min	H	TO-126 Fig. T45 METAL CONTACT CONNECTS TO COLLECTOR 
ECG253	ECG254	80	80	5	4	100	40	2,000	A/B	

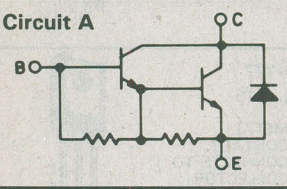
Package Outlines - See Page 1-76

Darlington Power Transistors (cont'd)

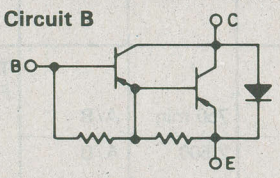
Description		Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Emitter To Base Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Base Current I_B mA	Max. Device Diss. P_D Watts	Typ Current Gain h_{FE}	NPN/PNP Equivalent Circuit	Package Case/Fig./Basing
NPN	PNP									
ECG2345	ECG2346	120	120	5	6	150	60	750 min	A/B	SOT-82 Fig. T45-2 METAL CONTACT CONNECTS TO COLLECTOR 
ECG2340	---	60 ± 10	60 ± 10	7	8	---	45	2,000 min	I	TO-126N Fig. T45-1 METAL CONTACT CONNECTS TO COLLECTOR 
ECG265	---	50	50	13	0.5	---	6.25	10,000 min	C	TO-202 Fig. T38 TAB CONNECTS TO COLLECTOR 
ECG266	---	50	50	13	0.5	---	6.25	40,000 min	C	
ECG267	---	30	30	13	0.5	---	6.25	90,000 min	C	
ECG268	ECG269	50	50	13	2	---	10	1,000 min	C/D	
ECG272	ECG273	50	40	12	2	---	10	25,000 min	C/D	TO-202N Fig. T36 TAB CONNECTS TO COLLECTOR 

Darlington Power Transistor Circuits

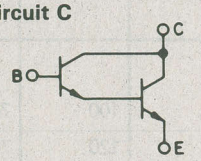
Circuit A



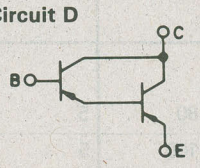
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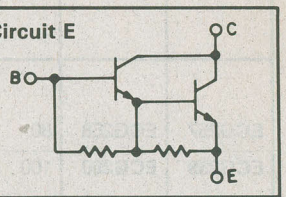
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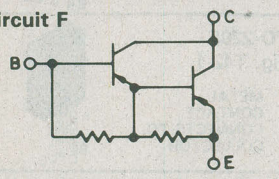
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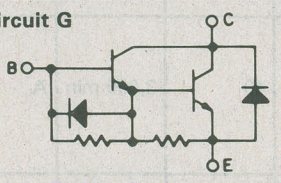
Circuit E



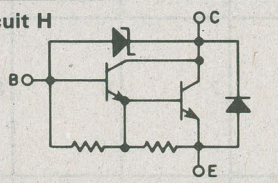
Circuit F



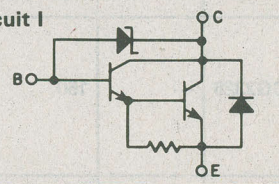
Circuit G



Circuit H



Circuit I



Package Outlines - See Page 1-76

Field Effect Transistors Maximum Ratings at T_A = 25°C (Observe MOS Handling) ▲

ECG Type	Description and Application	Trans-conductance gfs Typ μmhos	Gate to Source Cutoff Voltage V_{GS} (off) Max V	Zero-Gate Voltage Drain Current I_{DSS} mA Min - Max	Gate To Source Breakdown Voltage BV_{GSS} Min V	Input Cap C_{iss} Max pf	Transfer Cap C_{rss} Max pf	Device Diss. P_D Max mW	Package Case/Fig./Basing
ECG220 ▲	MOSFET, N-Ch, VHF Amp/ Mix, NF 5dB Max at 200 MHz	7,500	8	5 - 25	20	7	0.35	330	TO-72 Fig. T4
ECG221 ▲	Dual Gate MOSFET, N-Ch, VHF Amp/Mix, NF 5dB Max at 200 MHz	15,000	6	18 typ	20	5.5	0.03	400	
ECG222 ▲	Dual Gate MOSFET, N-Ch, VHF Amp/Mix, NF 6dB Max at 200 MHz Gate Protected	12,000	4	5 - 35	20	6 typ	0.03	330	
ECG452	JFET, N-Ch, UHF/VHF Amp, NF 4dB at 400 MHz	5,500	6	5 - 15	30	4	0.8	300	
ECG454 ▲	Dual Gate MOSFET, N-Ch, UHF/VHF Amp, NF 7dB at 900 MHz Gate Protected	15,000	4	6 - 30	25	---	0.03	360	
ECG456	JFET, N-Ch, Gen Purp Amp/ Sw	3,500	6	2 - 6	30	6	2	300	
ECG459	JFET, N-Ch, AF Amp/ Chopper/Sw	4,500	6	2 - 10	50	6	3	300	
ECG460	JFET, P-Ch, AF Amp	2,500	6	2 - 6	20	20	---	300	
ECG312	JFET, N-Ch, VHF Amp/Mix NF 4dB Max at 400 MHz	5,500	6	5 - 15	30	4.5	1.0	360	TO-92 Fig. T16
ECG326	JFET, P-Ch, Gen Purp AF Amp, NF 2.5dB Max at 100 Hz	3,000	7.5	2 - 9	60	7	2	310	
ECG451	JFET, N-Ch, UHF/VHF Amp, NF 4dB at 400 MHz	4,000	4	4 - 10	25	5	1.2	310	
ECG453	JFET, N-Ch, VHF/FM Amp, NF 3.5dB at 100 MHz	7,000	---	12 - 24	18	---	0.65	200	
ECG457	JFET, N-Ch, Gen Purp Amp/ Sw	3,000	5	1 - 5	25	6	3	310	
ECG458	JFET, N-Ch, Gen Purp, Lo Noise Audio Amp	12,000	1.5	1 - 3	50	13 (typ)	2.6 (typ)	250	
ECG455 ▲	Dual Gate MOSFET, N-Ch, TV UHF RF Amp, 900 MHz Gate Protected	22,000	G_1 = 2 G_2 = 0.7	0.5 - 8 (V_{G2S} = 4V)	20 ($B_{V\ DSX}$)	3.5	0.03	200	RF-15A Fig. T49-1
ECG461	Matched Dual JFET, N-Ch, DC Amp/Sampler/Chopper	3,500	4.5	0.5 - 8	50	6	2	400	TO-71 Fig. T3
ECG462 ▲	MOSFET, N-Ch, AF Amp, NF 3.8dB at 1.0 kHz	2,250	7	2 - 6	20	8	0.8	300	TO-18 Fig. T2

ECG	1	2	3	4
220	D	S	G	CASE
221	D	G2	G1	S,CASE
222	D	G2	G1	S,CASE
452	S	D	G	CASE
454	D	G2	G1	S,CASE
456*	D	S	G	CASE
459*	S	D	G	CASE
460*	S	G	D	CASE

* D & S Interchangeable

ECG	1	2	3
312*	G	S	D
326*	S	D	G
451	D	S	G
453	D	S	G
457*	D	S	G
458	D	G	S

* D & S Interchangeable

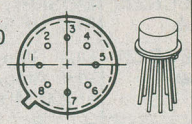
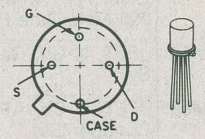
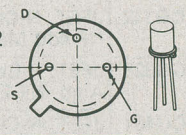
TO-71 Fig. T3

1. S1 2. D1 3. G1 4. Blank 5. S2 6. D2 7. G2 8. Blank

▲ Refer to MOSFET Handling Precautions - Page 1-30

Package Outlines - See Page 1-76

(Observe MOS Handling) ▲

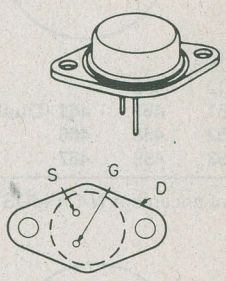
ECG Type	Description and Application	Transconductance gfs μmhos	Gate to Source Cutoff Voltage V_{GS} (off) Max V	Zero-Gate Drain Current I_{DSS}	Drain Current I_D	Input Cap C_{iss} Max pf	Gate to Source Breakdown Voltage BV_{GSS} Min V	Drain to Source Resistance r_{DSS} (on) Max ohms	Device Diss. P_D Max mW	Package Case/Fig./Basing
ECG463 ▲	Dual MOSFET, P-Ch, Enhancement, Sw/DC Amp, Gate Protected	2,000 Min	6	0.2 mA Max ($I_{D\ off}$)	10 mA Min (on)	4	30	150	500	**TO-99** Fig. T10  1. D1 5. G2 2. S1 6. S2 3. G1 7. D2 4. Base, Case 8. NC
ECG464 ▲	MOSFET, P-Ch, Enhancement, Sw, (Compl to ECG465)	1,000 Min	5	10 nA Max	3 mA Min (on)	5	25	600	300	**TO-72** Fig. T4 
						td 60 ns; tr 65 ns; t(off) 60 ns				
ECG465 ▲	MOSFET, N-Ch, Enhancement, Sw (Compl to ECG464)	1,000 Min	5	10 nA Max	3 mA Min (on)	5	25	300	300	
						td 60 ns; tr 65 ns; t(off) 60 ns				
ECG466	JFET, N-Ch, Chopper/Sw	---	10	50 mA Min	250 pA Max (off)	18	40	25	360	**TO-18** Fig. T2 
						td 6 ns; tr 3 ns; t(off) 25 ns				
ECG467	JFET, N-Ch, Chopper/ Fast Sw	---	---	50 mA Min	1.0 nA Max (off)	10	30	30	310	**TO-92** Fig. T16 
						td 4 ns; tr 5 ns; t(off) 5 ns				

▲ Refer to MOSFET Handling Precautions - Page 1-30

Package Outlines - See Page 1-76

Power MOSFETS

ECG Type	Description and Application	Transconductance gfs mhos	Drain to Source Breakdown Voltage BV_{DSS}	Gate to Source Breakdown Voltage BV_{GS}	Continuous Drain Current I_D Amps	Gate to Source Cutoff Voltage $V_{GS(off)}$	Drain to Source Resistance $r_{DS(on)}$ Ohms	Input Cap C_{iss} pf	Device Dissipation @T_C=25°C P_D Watts	Package Case/Fig./Basing
ECG2392 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	6 Min	100 Min	±20 Max*	32	4 Max	.06 Max	1500 Typ	125 Max	**TO-3** Fig. T28
						td(off) = 300 ns, td(on) = 50 ns, tf = 200 ns, tr = 200 ns				
ECG2386 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	2 Min	600 Min	±20 Max*	6	4.5 Max	1.2 Max	1800 Max	150 Max	
						td(off) = 200 ns, td(on) = 60 ns, tf = 120 ns, tr = 150 ns				
ECG2384 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	1.8 Min	800 Min	±20 Max*	6	4 Max	1.5 Max	3500 Max	125 Max	
						td(off) = 500 ns, td(on) = 60 ns, tf = 100 ns, tr = 100 ns				
ECG2390 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	3 Min	60 Min	±20 Max*	12	4.5 Max	.2 Max	800 Max	75 Max	**TO-220** Fig. T41
						td(off) = 80 ns, td(on) = 60 ns, tf = 110 ns, tr = 160 ns				
ECG2382 ▲ (Compl to ECG2383)	MOSFET, N-Ch, Enhancement Hi Speed Switch	1.5 Min	100 MIn	±20 Max*	8	4 Max	.5 Max	750 Max	75 Max	
						td(off) = 50 ns, td (on) = 50 ns, tf = 60 ns, tr = 120 ns				
ECG2383 ▲ (Compl to ECG2382)	MOSFET, P-Ch, Enhancement Hi Speed Switch	2 Min	100 Min	±20 Max*	8	4.5 Max	.4 Max	1200 Max	75 Max	
						td(off) = 200 ns, td(on) = 80 ns, tf = 150 ns, tr = 150 ns				
ECG66 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	3 Min	100 Min	±20 Max*	12	4.5 Max	.18 Max	1200 Max	75 Max	
						td(off) = 200 ns, td(on) = 50 ns, tf = 100 ns, tr = 100 ns				
ECG2388 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	5 Min	200 Min	±20 Max*	12.5	4 Max	.2 Max	1000 Typ	75 Max	
						td(off) = 120 ns, td(on) = 20 ns, tf = 60 ns, tr = 60 ns				
ECG67 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	2 Min	400 Min	±20 Max*	5	4.5 Max	1.5 Max	1200 Max	75 Max	
						td(off) = 200 ns, td(on) = 50 ns, tf = 100 ns, tr = 100 ns				
ECG2380 ▲ (Compl to ECG2381)	MOSFET, N-Ch, Enhancement Hi Speed Switch	1 Min	500 Min	±20 Max*	2	4.5 Max	4 Max	500 Max	75 Max	
						td(off) = 60 ns, td(on) = 40 ns, tf = 30 ns, tr = 60 ns				
ECG2381 ▲ (Compl to ECG2380)	MOSFET, P-Ch, Enhancement Hi Speed Switch	.5 Min	500 Min	±20 Max*	2	4.5 Max	6 Max	1000 Max	75 Max	
						td(off) = 150 ns, td(on) = 150 ns, tf = 50 ns, tr = 100 ns				





* Warning - Exceeding BV_{GS} maximum will result in permanent damage to the gate region oxide layer.

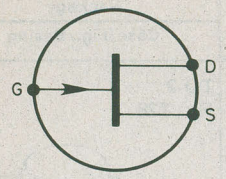
Package Outlines - See Page 1-76

▲ Refer to MOSFET Handling Precautions - Page 1-30

C

FET and MOSFET Diagrams (Observe MOS Handling) ▲ (Page 1-30)

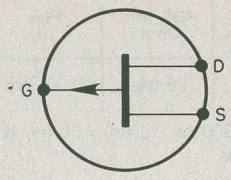
Depletion N-Ch JFET



ECG

312	456	
451	457	461 (Dual)
452	458	466
453	459	467

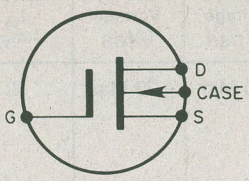
Depletion P-Ch JFET



ECG

326
460

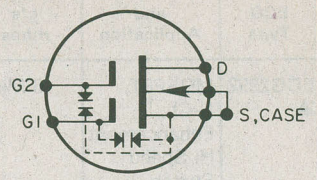
Depletion N-Ch MOSFET



ECG

220
462

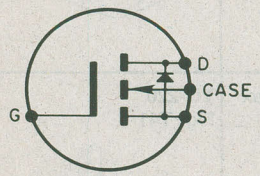
Dual Gate Depletion N-Ch MOSFET



ECG

221
222 (Gate Protected)
454 (Gate Protected)
455 (Gate Protected)

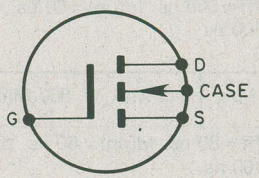
Enhancement N-Ch MOSFET



ECG

66	2382	2388
67	2384	2390
2380	2386	2392

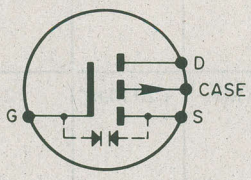
Enhancement N-Ch MOSFET



ECG

465

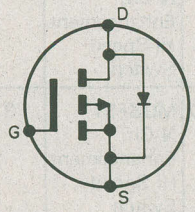
Enhancement P-Ch MOSFET



ECG

463 (Dual)
(Gate Protected)
464

Enhancement P-Ch MOSFET



ECG

2381
2383

Surface Mount Transistors

Selector Guide

The following selector chart has been provided to aid in the servicing of equipment using surface mounted transistors.

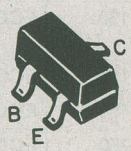
The very small size of these devices makes it impossible to print the full part number on any surface. To overcome this problem, the various manufacturers use 1 to 3 digits (or alphabet) codes. However, since there are **no standard** codes established between the manufacturers, it is difficult to determine the actual part number when there is no parts list or schematic to refer to.

This chart is provided merely as a guide of possible ECG selections by application when the above conditions exist.

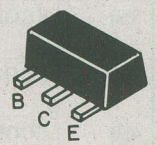
Typical Applications	ECG Type PS Voltage▲		NPN/ PNP	Case
RF	12 V Or Less	24 V Or Less		
UHF Amp/Osc/Mixer	2402 2403		NPN PNP	SOT-23 SOT-23
UHF Amp/Osc/Mixer, Modulator	2401 2402	2401	PNP NPN	SOT-23 SOT-23
AM/FM Amp/Osc/Mixer, IF	2406 2407	2406 2407	NPN PNP	SOT-23 SOT-23
Multipurpose	30 V Or Less	60 V Or Less		
AF Preamps, Bias Amps, Sync Sep, Rec/ Playback Amps, Other Low-Noise High Gain Circuits	2408 2409 2404* 2405* 2426* 2427*	2408 2409 2426* 2427*	NPN PNP NPN PNP NPN PNP	SOT-23 SOT-23 SOT-23 SOT-23 SOT-89 SOT-89
AF Amp/Driver, Vert/Horiz Osc, AGC Amp, Relay/Solenoid Driver, Lamp Driver, DC Amp, General Purpose Switch, Squelch Amp, Telephone Ckts, Video Amp, Chroma Amp	2406 2407 2428 2429 2426* 2427*	 2407 2428 2429 2426* 2427*	NPN PNP NPN PNP NPN PNP	SOT-23 SOT-23 SOT-89 SOT-89 SOT-89 SOT-89
High Voltage Circuit	150 V Or Less	300 V Or Less		
Video Out, Vert Deflection, HV Switch, Regulator Circuits	2410 2411	2412 2413 2430 2431	NPN PNP NPN PNP	SOT-23 SOT-23 SOT-89 SOT-89

Case Styles

SOT-23 Fig. T20-4



SOT-89 Fig. T20-5



Package Outlines - See Page 1-76

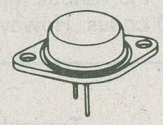
Digital Transistors

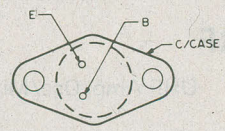
Typical Applications	ECG Type Input			NPN/ PNP	Case
	R = 10K	R = 22K	R = 47K		
Inverters, Drivers, Interface, Switches	2414 2415	2416 2417	2418 2419	NPN PNP	SOT-23 SOT-23

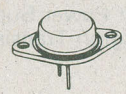
▲ Circuit Power Supply Voltage
* Darlington Transistors

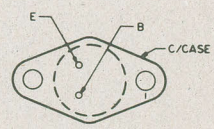
Silicon Power Transistors (By Case Style and Increasing BV_{CBO}) Maximum Ratings at $T_C = 25°C$

Breakdown Voltage		Type		Application	Collector Current I_C (A)	Collector Diss. P_D (W)	Current Gain h_{FE}	Freq in MHz f_t	Package
BV_{CBO}	BV_{CEO}	NPN	PNP						Case/Basing
80	80	**ECG29**	**ECG30**	Hi Pwr Amp, Sw, $t_f = .3$ μsec (typ)	50	300	20 min	2 min	**TO-3** Fig. T28A
100	60	**ECG130**	**ECG219**	Gen Purp, Pwr Amp	15	115	40 typ	.8	Fig. T28
100	100	**ECG181**	**ECG180**	Gen Purp, Pwr Amp	30	200	25 min	2 min	
140	140	**ECG280**	**ECG281**	Gen Purp, Pwr Amp	12	100	70 min	6	
140	140	**ECG60**	**ECG61**	Gen Purp, Pwr Amp	20	250	30 typ	2	
150	130	**ECG328**	---	Hi Speed Sw, Amp, $t_f = .5$ μs (typ)	15	140	12 min 100 max	60	
180	150	**ECG327**	---	Hi Speed Sw, Amp, $t_f = .25$ μs (max)	25	200	30 min 120 max	40	
180	150	**ECG387**	---	Hi Speed Sw, Amp, $t_f = .25$ μs (max)	50	250	70 typ	30 min	
180	180	**ECG284**	**ECG285**	Gen Purp, Pwr Amp	16	150	70 min	6	
200	150	**ECG86**	---	Hi Gain Amp, DC Regulator	5	50	400 min	15	
250	250	**ECG87**	**ECG88**	Hi Pwr AF Amp	10	200	20 min	3	
300	300	**ECG94**	---	Gen Purp Amp, DC Regulator	5	100	90 typ	2.5 min	
400	250	**ECG388**	**ECG68**	Gen Purp, Hi Pwr Amp	16	250	30 typ	4 min	
500	300	**ECG162**	---	Gen Purp Linear, Vert Output	3 cont 10 peak	100	20 min	---	
550	350	**ECG385**	---	Hi Speed Sw, Amp, $t_f = .1$ μs (typ)	10	150	20 typ	---	
700	700	**ECG163A**	---	Horiz Output Sw, $t_f = .4$ μs (typ)	10 peak	100	10	---	
750	450	**ECG52**	---	HV, Hi Speed Sw, $t_f = .2$ μs (typ)	5	125	10 typ	---	
800	325	**ECG283**	---	Horiz Output Sw, $t_f = 1$ μs (max)	10	100	15 min	6	
800	500	**ECG386**	---	Hi Speed Sw, Amp, $t_f = .3$ μs (typ)	20	175	30 typ	---	
850	400	**ECG53**	---	HV, Hi Speed Sw, $t_f = .7$ μs (typ)	15	175	12 typ	6 min	
850	450	**ECG2319**	---	HV, Hi Speed Sw, Hi Current, $t_f = .27$ μs (typ)	15	175	6 min	---	
1500	600	**ECG89**	---	Horiz Output/Damper Diode $t_f = .7$ μs (typ)	7	50	5 min	---	
1500	700	**ECG164**	---	Gen Purp Linear, Vert	1	50	20	.5 min	
1500	1400	**ECG165**	---	Horiz Output Sw, $t_f = .7$ μs (typ)	5	50	5 min	---	
1500	1500	**ECG389**	---	Horiz Output Sw, $t_f = .7$ μs (typ)	4	100	5 min	4 min	
1500	1500	**ECG238**	---	Horiz Output Sw, $t_f = .7$ μs (typ)	7	50	5	---	
2500	900	**ECG62**	---	HV, Horiz Output, $t_f = .7$ μs (typ)	3	50	5 min	---	
90	80	---	**ECG218**	Gen Purp, Pwr Amp	3	25	20 min	3 min	**TO-66** Fig. T25
100	80	**ECG57**	---	Hi Gain Amp, Sw, Series Pass, $t_f = 2$ μs (typ)	6	40	500 min	10	
300	250	**ECG286**	---	Horiz Output Sw, $t_f = 1$ μs (typ)	2	25	100 min	8	
300	300	**ECG124**	---	HV Gen Purp, Pwr Amp	.150	20	100 typ	30	
375	350	**ECG384**	---	Hi Speed Sw, Amp, $t_f = .3$ μs (typ)	7	45	20 typ	1 min	
500/400	300/350	**ECG175**	**ECG38**	Gen Purp, Pwr Amp	3	40	50 typ	10	
800	400	**ECG369**	---	Gen Purp Linear Amp, Sw, $t_f = 3.5$ μs (typ)	3 peak	40	30 min	7	
1600	700	**ECG321**	---	Horiz Output Sw, $t_f = 1$ μs (typ)	1.5	15 ($T_C = 70°C$)	1.5 min	---	



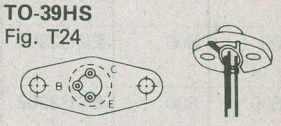
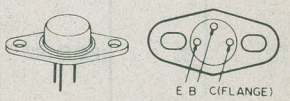
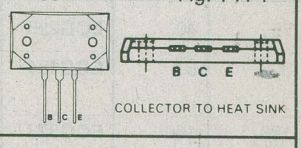
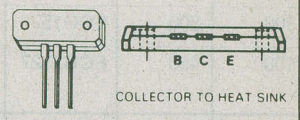
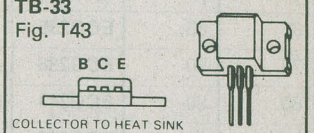
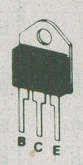






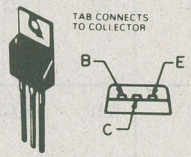
Package Outlines - See Page 1-76

Silicon Power Transistors (cont'd)

Breakdown Voltage		Type		Application	Collector Current I_C (A)	Collector Diss. P_D (W)	Current Gain hFE	Freq in MHz ft	Package
BVCBO	BVCEO	NPN	PNP						Case/Basing
200	200	ECG2328	ECG2329	HV AF Pwr Amp	15	150	55 min	30	TO-3PL Fig. T48-2  Collector to Heat Sink
80	40	ECG237	---	RF Pwr Output	3	10	10 min	150 min	TO-39HS Fig. T24 
60	60	ECG224	---	RF Pwr Output	2	10	60 typ	200	TO-39F Fig. T23 
450	350	ECG225	---	Gen Purp, Pwr Amp	1	10	40 min	15	
200	200	ECG92	ECG93	Hi Pwr AF PO	15	150	120 typ	20	TB-35 Fig. T44-1 
200	200	ECG58	ECG59	Hi Pwr AF PO	17	200	20 min	20	
160	160	ECG33	ECG34	Hi Pwr AF PO	15	150	120 min	80	TB-34 Fig. T44 
150	120	ECG380	ECG381	Gen Purp, Pwr Amp	7	80	60 typ	9	TB-33 Fig. T43 
100	100	ECG390	ECG391	Hi Speed Sw, Amp, t_{off} = 1 μs (typ)	10	80	40 min	3	TO-3P (TO-218) Fig. T48  Collector to Heat Sink
100	100	ECG392	ECG393	Hi Speed Sw, Amp, t_{off} = .7 μs (typ)	25	125	25 min	3	
160	160	ECG2305	ECG2306	Power Amp, Sw, t_f = 1.2 μs (typ)	16	125	60 min	1 min	
500	400	ECG394	---	HV Pwr Amp, Sw, t_{off} = 5 μs (typ)	3	100	30 min	2.5	
1000	450	ECG2310	---	HV Hi Speed Sw, t_f = .8 μs (max)	8	125	10 min	---	
1000	450	ECG2311	---	HV Hi Current Hi Speed Sw, t_f = .3 μs (typ)	15	150	10	---	
1500	700	ECG2300	---	HV Horiz Output, Sw, t_f = .7 μs (typ)	8	125	5	7	
1500	700	ECG2318	---	HV, Horiz Output w/Damper Diode, t_f = .7 μs (typ)	8	125	5 typ	7	
1500	750	ECG2301	---	HV Horiz Output, Sw, t_f = .4 μs (typ)	5	100	5	4	

Package Outlines - See Page 1-76

Silicon Power Transistors (cont'd)

Breakdown Voltage		Type		Application	Collector Current I_C (A)	Collector Diss. P_D (W)	Current Gain h_{FE}	Freq in MHz f_t	Package
BVCBO	BVCEO	NPN	PNP						Case/Basing
55^{+15}_{-10}	55^{+15}_{-10}	**ECG2330**	---	Hi Gain Amp, Regulator w/Int. Zener Control	4	80	500 min	---	**TO-3PJ** Fig. T48-1  Collector to Heat Sink
60	50	**ECG2304**	**ECG2314**	Hi Speed Sw, Amp, $t_f = .1\ \mu s$ (typ)	15	90	100 min	20	
160	140	**ECG36**	**ECG37**	Gen Purp, Pwr Amp, Hi Speed Sw	12	100	60 min	15	
200	180	**ECG2307**	---	Hi Gain Amp, Series Pass	5	80	500 min	---	
500	400	**ECG2308**	---	Hi Speed Sw, Series Pass, $t_f = 1\ \mu s$ (max)	12	100	15 min	20	
900	800	**ECG2309**	---	HV, Hi Speed Sw, $t_f = .7\ \mu s$ (max)	6	100	10 min	15	
1500	800	**ECG2302**	---	HV, Horiz Output/Damper Diode, $t_f = .7\ \mu s$ (max)	5	120	8 min	3	
100	80	**ECG182**	**ECG183**	Hi Speed Sw, Amp, $t_f = .4\ \mu s$ (typ)	10	90	30 min	2	**TO-127** Fig. T46  METAL CONTACT CONNECTS TO COLLECTOR
75	40	**ECG295**	---	RF Output Driver	1	5	20 min	150 min	**TO-126** Fig. T45
80	80	**ECG184**	**ECG185**	Hi Speed Sw, Amp, $t_f = .34\ \mu s$ (typ)	4	40	30 min	2	
180	160	**ECG373**	**ECG374**	Gen Purp, Pwr Amp	1.5	1 T_A 25°C 20 T_C 25°C	100 typ	140	
300	300	**ECG157**	**ECG39**	Gen Purp, HV Amp	.5	20.8	30 min	10	
1000	450	**ECG2327**	---	HV, Hi Speed Sw, $t_f = .4\ \mu s$ (typ)	.5	20	50 typ	20	 METAL CONTACT CONNECTS TO COLLECTOR
60	60	**ECG152**	**ECG153**	Gen Purp, Pwr Amp	7	50	60 typ	10	**TO-220** Fig. T41
65	65	**ECG235**	---	RF Pwr Output	3 peak	12	40 min	200 min	
70	70	**ECG236**	---	RF Pwr Output	8 peak	25	20 min	100	
80	80	**ECG241**	**ECG242**	Gen Purp, Pwr Amp	4	60	25 min	2	
80	80	**ECG377**	**ECG378**	Hi Speed Sw, Amp, $t_f = .14\ \mu s$ (typ)	10	50	60 min	50	
90	80	**ECG196**	**ECG197**	Gen Purp, Pwr Amp	7	50	20 min	.8	
100	80	**ECG56**	---	Gen Purp Amp, Sw, Series Pass, $t_f = 1.3\ \mu s$ (typ)	3	30	500 min	15	
100	100	**ECG331**	**ECG332**	Gen Purp	15	90	40 typ	3 min	
130	120	**ECG291**	**ECG292**	Gen Purp, Pwr Amp	4	40	75 typ	4 min	
150	150	**ECG54**	**ECG55**	Gen Purp, Pwr Amp	8	50	100 typ	85	
200	150	**ECG375**	**ECG398**	Gen Purp Linear, Vert	3/2	25	150 typ	8	
300	300	**ECG376**	---	Gen Purp	.15	15	100 typ	80	
500	500	**ECG198**	---	HV Amp, Sw, $t_{off} = 2\ \mu s$ (typ)	1	40	80 typ	20	
700	400	**ECG51**	---	HV, Hi Speed Sw, $t_f = .7\ \mu s$ (typ)	4	75	25 typ	4 min	
700	400	**ECG2312**	---	HV, Hi Speed Sw, $t_f = .7\ \mu s$ (typ)	8	80	5 min	4 min	
700	400	**ECG379**	---	Horiz Sw, $t_f = .7\ \mu s$ (typ)	12	100	20 typ	4 min	
1000	450	**ECG2313**	---	HV, Hi Speed Sw, $t_f = .4\ \mu s$ (typ)	2	40	50 typ	20 typ	
1500	750	**ECG2303**	---	Horiz Sw, $t_f = .65\ \mu s$ (typ)	2.5	65	4	4	

Package Outlines - See Page 1-76

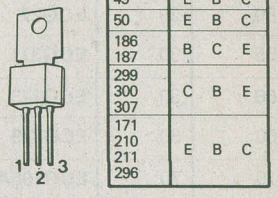
Silicon Power Transistors (cont'd)

Breakdown Voltage		Type		Application	Collector Current I_C (A)	Collector Diss. P_D (W)	Current Gain h_{FE}	Freq in MHz f_t	Package
BV_{CBO}	BV_{CEO}	NPN	PNP						Case/Basing
50	40	ECG300	ECG307	Gen Purp	1.5	7	90 min	70	TO-202 Fig. T38
70	60	ECG186	ECG187	Hi Speed Sw, t_f = .075 μs (typ)	3	12.5	80 typ	50	
75	35	ECG299	---	RF Driver, Pwr Amp	1	4	10 min	200	
90	75	ECG210	ECG211	Hi Speed Sw, t_f = .05 μs (typ)	1	6.25	120 min	200	
125	100	ECG49	ECG50	Gen Purp, Pwr Amp	2	10	100 typ	150	
300	300	ECG171	ECG296	Gen Purp, Amp, Video	.5	10	40 typ	75/50	
36	18	ECG78	---	RF Amp, CB	.6	5	5 min	---	TO-202M Fig. T39
36	18	ECG79	---	RF Amp, CB	2	10	5 min	---	
50	50	ECG186A	ECG187A	Gen Purp, Pwr Amp	3	10	80 min	150	
450	350	ECG228A	---	Gen Purp, Linear Amp	1	10	40 typ	15	
100	50	ECG302	---	RF Driver, Pwr Amp	1.5 peak	8	200 min	80	TO-202J Fig. T37
100	50	ECG306	---	RF Driver, Pwr Amp	1.5 peak	8	200 min	80	
700	300	ECG80	---	HV Sw, Horiz Driver	1	8	50 typ	13	
65	65	ECG322	---	Gen Purp, Pwr Amp	.5	10	10 min	100	TO-202N Fig. T36
80	80	ECG188	ECG189	Gen Purp, Pwr Amp	2	10	80 typ	50	
180	180	ECG190	---	Gen Purp, Pwr Amp, Horiz Driver	1	10	40 min	100	
300	300	ECG191	ECG240	Gen Purp, HV Amp, Video	.5	10	40 typ	60	
150	90	ECG71	---	Hi Current Amp, Fast Sw	20	200	20 min	20	TO-63 Fig. T35
180	150	ECG70	---	HV Pwr Amp, Sw	50	250	30 min	30 min	
120	100	ECG72	---	Hi Current Amp, Fast Sw, Isolated Stud	10	115	30 min	30	TO-61 Fig. T33
220	200	ECG73	---	HV Amp, Sw, Collector to Stud	10	85	15 min	40	Fig. T34
100	100	ECG96	---	HV Amp, Sw	7	60	60 min	30 min	TO-59 (Isolated) Fig. T31
250	250	ECG95	---	HV Amp, Sw	3	70	90 min	40	
100	100	ECG74	---	Gen Purp Amp, Sw	7	60	60 min	30	TO-59 Fig. T32
100	80	ECG75	---	Hi Pwr Amp, Sw	5	50	40 min	50 min	TO-111 Fig. T30

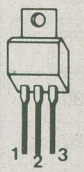
ECG	1	2	3
49	E	B	C
50	E	B	C
186, 187	B	C	E
299, 300, 307	C	B	E
171, 210, 211, 296	E	B	C

ECG	1	2	3	TAB
78	B	C	E	C
79	B	C	E	C
186A	B	C	E	C
187A	B	C	E	C
228A	E	B	C	C

ECG	1	2	3
80	B	C	E
302	E	B	C
306	B	C	E

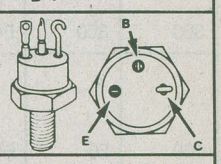


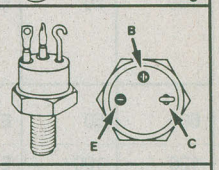


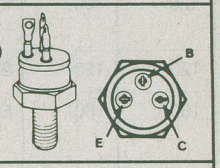


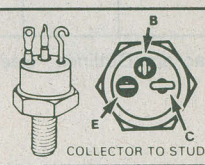


TAB CONNECTED TO COLLECTOR

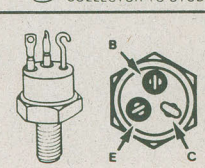








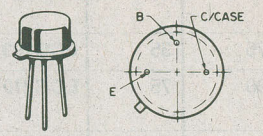
COLLECTOR TO STUD

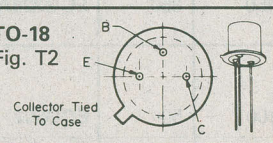


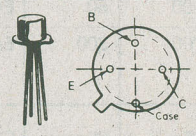
Package Outlines - See Page 1-76

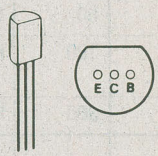
Silicon Small Signal Transistors (By Case Style and Increasing BV_{CBO}) Maximum Ratings at $T_C = 25°C$

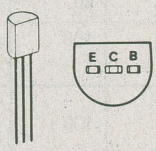
Breakdown Voltage		Type		Application	Collector Current I_C (A)	Collector Diss. P_D (W)	Current Gain h_{FE}	Freq in MHz f_t	Package
BV_{CBO}	BV_{CEO}	NPN	PNP						Case/Basing
40	20	**ECG346**	---	Gen Purp-Hi Freq, Driver	.4	1	10 min	500	**TO-39** Fig. T6
40	30	**ECG278**	---	Gen Purp-Hi Freq, Amp	.4	3.5	30 min	1200 min	
50	30	**ECG77**	---	CATV Broadband Amp	.4	3.5	30 min	1800	
55	30	**ECG311**	---	Gen Purp-Hi Freq	.4	5	25 min	800 min	
60	30	**ECG123**	---	Gen Purp, Amp, Driver	.8	.8	150 typ	250	
60	30	**ECG329**	---	RF Pwr Amp	1.5 peak	5	---	---	
70	70	**ECG195A**	---	RF Pwr Amp, Driver	1.5	8	30 min	150	
120/90	80	**ECG128**	**ECG129**	Gen Purp	1	1	90 min	120	
120	100	**ECG324**	**ECG323**	Gen Purp	2	1	50 min	30	
300	300	**ECG154**	---	HV Gen Purp, Amp	.5	1 T_A 25°C	60 typ	40	
450/350	350/300	**ECG396**	**ECG397**	HV Pwr Amp, Sw	1	10	60 typ	15 min	
35	15	---	**ECG106**	Gen Purp-Hi Freq, Amp	75 mA	.25	20 min	500	**TO-18** Fig. T2
75	40	**ECG123A**	---	Gen Purp, Amp, Sw	.8	.5	200 typ	300	
30	15	**ECG316**	---	UHF Amp, Lo Noise	50 mA	.2	25 min	1400	**TO-72** Fig. T4
30	25	---	**ECG395**	UHF/VHF Amp	50 mA	.36	25 min	2.3 GHz	
45	45	**ECG161**	---	Gen Purp-Hi Freq, Amp	50 mA	.18	60 typ	800	
36	18	**ECG340**	---	Gen Purp, RF Pwr	.5	.75	70 typ	---	**T-16** Fig. T20
60	50	**ECG293**	**ECG294**	Gen Purp, Pwr Amp	1	1 H Sink .75 T_A 25°C	120 min	200	
80	80	**ECG297**	**ECG298**	Gen Purp, Pwr Amp	1 peak	.75	130 min	120	
300	300	**ECG399**	---	Video Output, Horiz Dr	.1	.9	100 min	50 min	
100	50	**ECG315**	---	RF Driver	1	.75	200 typ	80	**SC-51** Fig. T19
60	50	**ECG48**	---	Gen Purp Amp-Darlington	1	1	25,000	100 min	**TO-92M** Fig. T18
120	100	**ECG382**	**ECG383**	Gen Purp	1	.9 $T_A = 25°C$	200 typ	140	
120	120	**ECG90**	**ECG91**	HV Hi Gain Amp	50 mA	.75	400 min	150	
160	160	**ECG31**	**ECG32**	AF Driver Output	1	.9 $T_A = 15°C$	100 min	15 min	

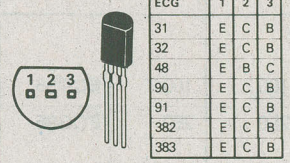












ECG	1	2	3
31	E	C	B
32	E	C	B
48	E	B	C
90	E	C	B
91	E	C	B
382	E	C	B
383	E	C	B

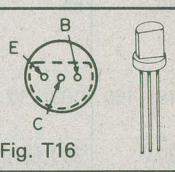
Package Outlines - See Page 1-76

Silicon Small Signal Transistors (cont'd)

Breakdown Voltage		Type		Application	Collector Current I_C (A)	Collector Diss. P_D (W)	Current Gain h_{FE}	Freq in MHz f_t	Package
BV_{CBO}	BV_{CEO}	NPN	PNP						Case/Basing
25	12	**ECG10**	---	Lo Noise UHF/VHF Amp (G_{PE} = 10 dB typ)	70 mA	.600	40 min	5 GHz	**TO-92•** T16
27	18	---	**ECG12**	Hi Gain, Hi Current Gen Purp	5	.75	180 min	120	
30	14	**ECG23**	---	Lo Noise, UHF, VHF Amp, RF Amp, HF IF Amp (G_{PE} = 15 dB typ)	50 mA	.25	80	2 GHz	
30	15	**ECG108**	---	RF/IF Video Amp, Osc	50 mA	.6	20 min	800 min	
30	30	**ECG233**	---	Gen Purp	.1	.625	45 typ	300	
30	30	---	**ECG232**	Gen Purp-Darlington	.3	.625	50,000 typ	175	
35	35	**ECG69**	---	TV UHF/VHF Amp	50 mA	.25	70 typ	800 min	
35	35	**ECG107**	---	TV UHF/VHF Amp	50 mA	.25	70 typ	800 min	
40	20	**ECG11**	---	Hi Gain, Hi Current Gen Purp	5	.75	200 min	150	
40	30	**ECG319P**	---	TV IF Amp, AGC Controlled (Includes Metal Shield)	50 mA	.5	35 typ	300 min	
40	40	**ECG172A**	---	Gen Purp-Darlington	.3	.4	7,000 min	60	
40	40	**ECG229**	---	VHF Osc, IF Amp	50 mA	.425	30 min	600	
45	45	**ECG47**	---	Gen Purp, Hi Gain Amp	.2	.35	500 min	140	
60	50	---	**ECG234**	Gen Purp, Hi Gain Amp	50 mA	.2	400 typ	80 min	
70	50	**ECG199**	---	Gen Purp, Hi Gain Amp	.1	.36	400 typ	90 min	
70	70	**ECG85**	---	Gen Purp Amp, Sw	.4	.6	120 min	200 min	
75/80	40/80	**ECG123AP**	**ECG159**	Gen Purp	.6/1.0	.6	200 typ	300/200	
90	80	**ECG2341**	**ECG2342**	Darlington Driver, Sw, t_{off} = 1.5 μs (typ)	1	.80	2,000 min	---	
100	80	**ECG289A**	**ECG290A**	Gen Purp, Pwr Amp	.5	.5	100 min	120	
100	100	**ECG46**	---	Gen Purp-Darlington	.5	.625	10,000 min	200	
180	160	**ECG194**	---	Hi Speed Sw, Amp, t_f = .4 μs (typ)	.6	.35	100 typ	100	
300	300	**ECG287**	**ECG288**	HV Gen Purp	.5	.625	40 min	50	• **TO-98** Alt. Case - Fig. T15
40	40	**ECG172A**	---	Gen Purp-Darlington	.3	.4	7,000 min	60	**TO-98** Fig. T15
70	50	**ECG199**	---	Gen Purp, Hi Gain Amp	.1	.36	400	90	• **TO-92** Alt. Case - Fig. T16
40	40	---	**ECG217**	Very Hi Speed Sw, Amp, t_f = 30 ns (max)	1	1	40 min	175	**TO-237** Fig. T17
80	50	**ECG216**	---	Very Hi Speed Sw, Core Driver, t_f = 20 ns (typ)	1.5	1	60 min	300	
100	80	**ECG24**	**ECG25**	Gen Purp Amp, Sw	1.25	1	80 min	50	
100/80	80	**ECG128P**	**ECG129P**	Gen Purp Amp, Sw	1	1	100 min	100/150	
300	300	**ECG227**	---	HV Amp, Video Output	.1	1	40 min	50	
325	300	**ECG255**	---	Horiz Driver, Amp, Sw	1	1	30 min	30 min	
50	50	**ECG2355**	**ECG2356**	Digital w/Base Resistor (10K) Sw, Driver	.1	.3	30 min	250	**SP-92** Fig. T13-1
50	50	**ECG2357**	**ECG2358**	Digital w/Base Resistor (22K) Sw, Driver	.1	.3	50 min	250	
50	50	**ECG2359**	**ECG2360**	Digital w/Base Resistor (47K) Sw, Driver	.1	.3	65 min	250	
120	120	**ECG26**	---	Audio Amp, Lo Noise	50 mA	.3 T_A = 25°C	300 min	100	



ECG	1	2	3
10	B	E	C
11	E	C	B
12	E	C	B
23	B	E	C
46	E	B	C
47	E	B	C
69	B	E	C
85	E	C	B
107	E	C	B
108	E	B	C
123AP	E	B	C
159	E	B	C
172A	E	C	B
194	E	B	C
199	E	C	B
229	B	E	C
232	E	B	C
233	E	B	C
234	E	C	B
287	E	B	C
288	E	B	C
289A	E	C	B
290A	E	C	B
319P	B	E	C
2341	E	C	B
2342	E	C	B



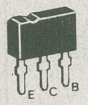
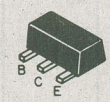
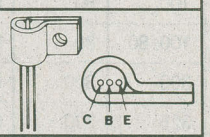
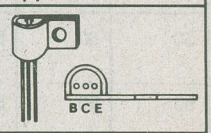
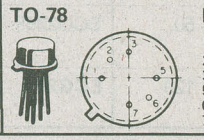
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24	E	C	B
25	E	C	B
128P	E	B	C
129P	E	B	C
216	E	B	C
217	E	B	C
227	E	B	C
255	E	B	C





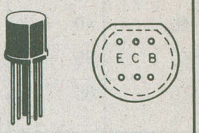
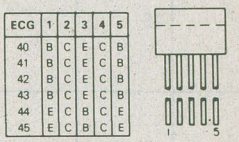
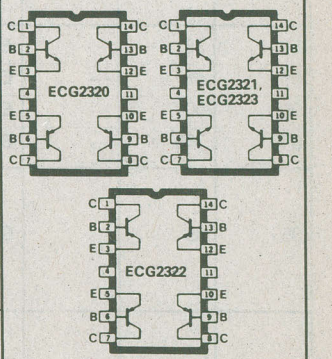
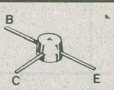
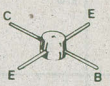
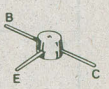
Package Outlines - See Page 1-76

Silicon Small Signal Transistors (cont'd)

Breakdown Voltage		Type		Application	Collector Current I_C (A)	Collector Diss. P_D (W)	Current Gain h_{FE}	Freq in MHz f_t	Package
BV_{CBO}	BV_{CEO}	NPN	PNP						Case/Basing
25	20	**ECG13**	---	Hi Gain, Gen Purp Amp	.5	.6	400 min	200	**M-71** Fig. T20-3 
40	32	**ECG20**	**ECG21**	AF PO, Driver, Series Pass	2 2.5 peak	1	120 min	100	
50	40	**ECG16**	**ECG17**	Gen Purp, Small Sig, Lo Noise	.1	.3	300	180/140	
80	80	**ECG18**	**ECG19**	AF Driver, Gen Purp Amp	.7 1 peak	1	120 min	120/100	
100	80	**ECG22**	---	AF Pwr Output, Driver, Gen Purp Amp	1 2 peak	1	120 min	100	
30	18	**ECG15**	---	VHF Amp, Mixer, Osc, UHF Osc	50 mA	.3	40 min	600 min	**M-68** Fig. T20-2 
80	80	---	**ECG14**	Gen Purp AF Amp, Driver	.7	.75	120 min	100	
20	15	**ECG2402**	**ECG2403**	Lo Noise, UHF/VHF Amp ECG2402 (G_{PE} = 15 dB Typ) ECG2403 (G_{PE} = 18 dB Typ)	25 mA	.200	40/20 min	5 GHz	**SOT-23** Fig. T20-4 
30	30	---	**ECG2401**	RF Amp, Osc, Mixer, VHF/FM	25 mA	.300	---	450 typ	
40	30	**ECG2404**	**ECG2405**	Darlington, Preamp Dr, Gen Purp Amp	.300	.350	4,000 min	220	
50	50	**ECG2414**	**ECG2415**	Digital w/Base Resistor (10K) Sw, Driver	.100	.200	30 min	250	
50	50	**ECG2416**	**ECG2417**	Digital w/Base Resistor (22K) Sw, Driver	.100	.200	50 min	250	
50	50	**ECG2418**	**ECG2419**	Digital w/Base Resistor (47K) Sw, Driver	.100	.200	65 min	250	
75/60	40/60	**ECG2406**	**ECG2407**	AF/RF Amp, Driver, Sw	.800/ .600	.425	100 min	300/200	
80	65	**ECG2408**	**ECG2409**	Lo Noise, AF/RF, Gen Purp Amp	.100	.200	300/350 typ	300/150	
180/160	160/150	**ECG2410**	**ECG2411**	Gen Purp, HV, Dr, Amp	.600	.350	80/60 min	300	
300	300 (CER)	**ECG2412**	**ECG2413**	Gen Purp, HV Amp	50 mA	.310	50 min	60	
90	80 (CER)	**ECG2426**	**ECG2427**	Darlington Driver, Sw	.500	1	2,000 min	---	**SOT-89** Fig. T20-5 
90	80	**ECG2428**	**ECG2429**	Gen Purp Amp, Sw	1	1	100 min	100	
400/350	350/300	**ECG2430**	**ECG2431**	HV, Gen Purp Amp	1	1	40/30 min	70/15	
70	70	**ECG192**	**ECG193**	Gen Purp, Pwr Amp	1	1 T_C 25°C	150 typ	120 min	**TO-92HS** Fig. T21 
70	70	**ECG192A**	**ECG193A**	Gen Purp, Pwr Amp	.5	.6	120 min	120	**T16HS** Fig. T22 
75/60	40	**ECG81**	**ECG82**	Dual VHF Amp, Sw	.6	.6 total T_A = 25°C 2 total T_C = 25°C	100 min	250	**TO-78** Fig. T12  1. Collector 1 2. Base 1 3. Emitter 1 5. Emitter 2 6. Base 2 7. Collector 2

Package Outlines - See Page 1-76

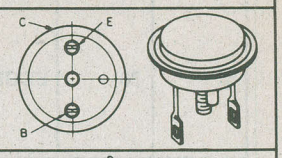
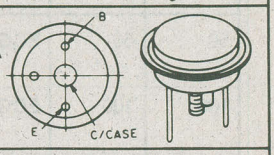
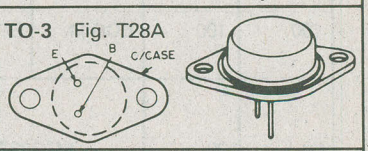
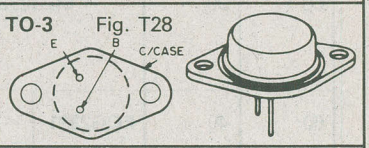
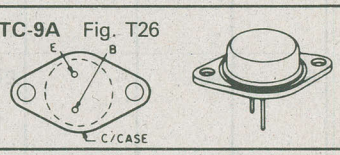
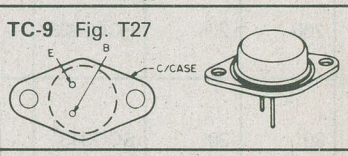
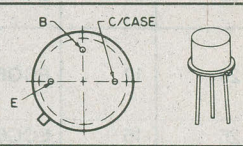
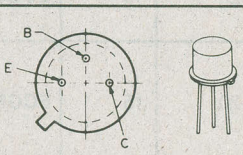
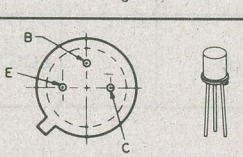
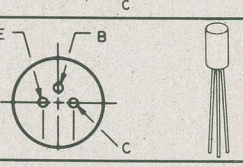
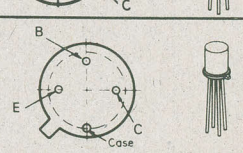
Silicon Small Signal Transistors (cont'd)

Breakdown Voltage		Type		Application	Collector Current I_C (A)	Collector Diss. P_D (W)	Current Gain h_{FE}	Freq in MHz f_t	Package
BV_{CBO}	BV_{CEO}	NPN	PNP						Case/Basing
60	30	**ECG83**		Dual Gen Purp Amp	.5	.4 total	180 typ	250	**TO-78P** Fig. T13 
50	50	**ECG42**	**ECG43**	Dual Diff. Amp, Common Emitter	.1	.2 unit .4 total	400 min	100	**SIP-5** Fig. T20-1 
100	100	**ECG40**	**ECG41**	Dual Diff. Amp, Common Emitter	50 mA	.2 unit .4 total	400 min	150	
100	100	**ECG44**	**ECG45**	Dual Bias Amp, Common Base	.1	.2 unit .4 total	400 min	100	
60	30	**ECG2320**		Quad Discrete, Compl Pair, Sw, $t_{on}=30$ ns, $t_{off}=225$ ns (typ)	.5	1 unit 3 total	100 min	350	**14-Pin DIP** Fig. T66 
60	40	**ECG2321**	---	Quad Gen Purp Amp, Sw, $t_{on}=25$ ns, $t_{off}=250$ ns (typ)	.5	.65 unit 1.9 total	100 min	350	
60	40	---	**ECG2322**	Quad Gen Purp Amp, Sw, $t_{on}=30$ ns, $t_{off}=225$ ns (typ)	.5	.65 unit 1.9 total	100 min	350	
200	200	**ECG2323**	---	Quad HV Amp, Driver	.5	.75 unit 1.7 total	60	80	
30	30	**ECG313**	---	RF Amp	20 mA	.15	25 min	400 min	**RF-15** Fig. T49 
20	12	**ECG63**	---	UHF/Microwave Amp/ Mixer	40 mA	.400	40	5 GHz typ	**RF-19A** Fig. T49-3 
25	15	**ECG64**	---	UHF/Microwave Amp/Hi Speed Sw	30 mA	.350	60	4.5 GHz typ	
20	15	**ECG65**	---	UHF/Microwave Amp, CATV, MATV	25 mA	.180	30 typ	5 GHz typ	**RF-19** Fig. T49-2 
50	30	**ECG76**	---	CATV Broadband Amp	.4	5	30 min	1800	**TO-117** Fig. T50 

Package Outlines - See Page 1-76

C

Germanium Transistors (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

Breakdown Voltage		Type		Application	Collector Current I_C (A)	Collector Diss. P_D (W)	Current Gain h_{FE}	Freq in MHz f_t	Package
BV_{CBO}	BV_{CEO}	NPN	PNP						Case/Fig./Basing
40	40	---	**ECG330**	Gen Purp, Pwr Amp	25	170	12 typ	---	**TO-36** Fig. T29 
50	35	---	**ECG105**	Gen Purp, Pwr Amp	15	100	90 typ	10 kHz	
75	65	---	**ECG213**	Gen Purp, Pwr Amp	30	170	80 typ	0.27	
60	45	---	**ECG28**	High Current Gen Purp Amp	60	170	120 typ	2 kHz	**TO-68** Fig. T29A 
60	45	---	**ECG27**	High Current Gen Purp Amp	60	170	120 typ	2 kHz	**TO-3** Fig. T28A 
50	35	---	**ECG104**	Gen Purp, Pwr Amp	7	90	90 typ	10 kHz	**TO-3** Fig. T28 
65	45	---	**ECG121**	Gen Purp, Pwr Amp	7	30	80 typ	22 kHz	
90	90	---	**ECG179**	Gen Purp, Pwr Amp	25	106	55 typ	0.35 min	
350	350	---	**ECG127**	Horiz Switch, PO	10	40	15 min	1	
35	35	---	**ECG226**	Gen Purp, Pwr Amp	2	12	125 typ	0.45	**TC-9A** Fig. T26 
32	20	**ECG155**	**ECG131**	Gen Purp, Pwr Amp	3 peak	6 TC 63°C	110 typ	1	**TC-9** Fig. T27 
25	25	---	**ECG176**	Gen Purp, Pwr Amp	2	6	110 typ	0.7	**TO-39** Fig. T6 
25	20	**ECG101**	**ECG100**	Gen Purp	0.3	0.15 ($T_A = 25°C$)	40 typ	5	**TO-5** Fig. T5 
30	16	**ECG103**	**ECG102**	Gen Purp	0.3	0.15 ($T_A = 25°C$)	90 typ	2	
25	25	---	**ECG126A**	Gen Purp	10 mA	0.2 ($T_A = 25°C$)	60 typ	250	**TO-18** Fig. T2 
32	32	**ECG103A**	**ECG102A**	Gen Purp	0.5	0.9	120 typ	2.3	**TO-1** Fig. T1 
32	32	---	**ECG158**	Gen Purp, Pwr Amp	1	1.6	90 typ	1.5	
30	20	---	**ECG160**	Gen Purp	0.01	0.2 ($T_A = 25°C$)	20 typ	400	**TO-72** Fig. T4 

Package Outlines - See Page 1-76

RF Transistor Selector Guide

Amateur 13-30 MHz

ECG Type	Description and Application	Output Power Watts Pout	Input Power Watts Pin	Supply Voltage Vcc	Test Freq MHz	Package	
						Fig. No.	Case
ECG318	NPN-Si, PO	50	1.6	12.5	30	T58	RF-50F
ECG325	NPN-Si, PO	50	4	13.6	30	T53	RF-38S
ECG333	NPN-Si, PO	60	3	12.5	30	T57	RF-38F
ECG334	NPN-Si, PO	60	3	12.5	30	T53	RF-38S
ECG317	NPN-Si, PO	70	3	12.5	30	T58	RF-50F
ECG335	NPN-Si, PO	80	5	12.5	30	T58	
ECG336	NPN-Si, PO	80	5	12.5	30	T54	RF-50S10
ECG470	NPN-Si, PO	100	6.3	12.5	30	T58	RF-50F
ECG471	NPN-Si, PO	100	3.2	28	30	T58	

Low Band FM 27-50 MHz

ECG337	NPN-Si, Driver	8	.8	12.5	50	T53	RF-38S
ECG338	NPN-Si, Driver/PO	20	3.2	12.5	50	T53	
ECG338F	NPN-Si, Driver/PO	20	3.2	12.5	50	T57	RF-38F
ECG339	NPN-Si, PO	40	7	12.5	50	T54	RF-50S10

VHF Marine FM 156-162 MHz

ECG340	NPN-Si, Driver/PO	0.6	.05	13.5	175	T20	T-16
ECG341	NPN-Si, Driver/PO	4	.25	12.5	175	T7	TO-39EC*
ECG488	NPN-Si, Driver/PO	4	.25	13.5	175	T9	TO-39EG*
ECG342	NPN-Si, PO	7	.6	13.5	175	T42	TO-220EC*
ECG343	NPN-Si, PO	14	2.5	13.5	175	T42	
ECG344	NPN-Si, PO	30	6	13.5	175	T59	RF-28F6
ECG345	NPN-Si, PO	30	3.8	13.6	160	T53	RF-38S

VHF AM 108-175 MHz

ECG311	NPN-Si, Predriver, Driver, PO	1	0.1	28	175	T6	TO-39
ECG357	NPN-Si, Driver/PO	7	1.0	28	175	T51	RF-38SM
ECG359	NPN-Si, Driver/PO	20	3	28	175	T53	RF-38S
ECG360	NPN-Si, Driver/PO	40	7	28	175	T53	

* - Emitter to Case

Package Outlines - See Page 1-76

High Band VHF FM 136-174 MHz

ECG Type	Description and Application	Output Power Watts Pout	Input Power Watts Pin	Supply Voltage Vcc	Test Freq MHz	Package	
						Fig. No.	Case
ECG346	NPN-Si, Predriver, Driver	1	0.1	12.0	175	T6	TO-39
ECG487	NPN-Si, Driver/PO	1	0.1	12.5	175	T8	TO-39A
ECG472	NPN-Si, Driver/PO	1.8	0.12	12.5	175	T6	TO-39
ECG473	NPN-Si, Driver/PO	2.2	0.5	15	175	T6	
ECG347	NPN-Si, Driver/PO	3	0.5	13.6	175	T51	RF-38SM
ECG474	NPN-Si, Driver/PO	3	0.3	12.5	175	T40	TO-202EC*
ECG341	NPN-Si, Driver/PO	4	0.25	12.5	175	T7	TO-39EC*
ECG488	NPN-Si, Driver/PO	4	0.25	13.5	175	T9	TO-39EG*
ECG348	NPN-Si, Driver/PO	4	0.25	12.5	175	T53	RF-38S
ECG475	NPN-Si, Driver/PO	7	2	13.6	175	T56	TO-60
ECG349	NPN-Si, Driver/PO	10	3	13.6	175	T53	RF-38S
ECG476	NPN-Si, Driver/PO	12	4	13.6	175	T56	TO-60
ECG350	NPN-Si, Driver/PO	15	3.8	12.5	175	T53	RF-38S
ECG350F	NPN-Si, Driver/PO	15	3.8	12.5	175	T57	RF-38F
ECG351	NPN-Si, Driver/PO	25	6	12.5	175	T53	RF-38S
ECG345	NPN-Si, Driver/PO	30	3.8	13.6	160	T53	
ECG320	NPN-Si, PO	40	14	12.5	175	T55	RF-50SS
ECG320F	NPN-Si, PO	40	14	12.5	175	T57	RF-38F
ECG477	NPN-Si, PO	45	10	12.5	175	T60	RF-50F6
ECG352	NPN-Si, PO	80	18	12.5	175	T60	
ECG478	NPN-Si, PO	100	25	12.5	175	T60	
ECG353	PNP-Si, PO	4	0.25	12.5	175	T57	RF-38F
ECG354	PNP-Si, PO	15	3.8	12.5	175	T57	
ECG355	PNP-Si, PO	30	8	12.5	175	T57	
ECG356	PNP-Si, PO	40	14	12.5	175	T57	

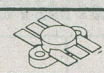
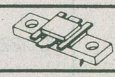
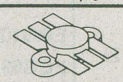
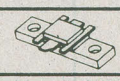
* - Emitter to Case

Package Outlines - See Page 1-76

UHF FM 407-512 MHz

ECG Type	Description and Application	Output Power Watts Pout	Input Power Watts Pin	Supply Voltage Vcc	Test Freq MHz	Package Fig. No.	Package Case
ECG486	NPN-Si, Multi, Driver	.75	.12	12.5	470	T6	TO-39 
ECG479	NPN-Si, Driver/PO	1.8	.1	12.5	470	T6	
ECG361	NPN-Si, Driver/PO	2	.32	12.5	470	T7	TO-39EC* 
ECG362	NPN-Si, Driver/PO	2	0.25	12.5	470	T52	RF-28S 
ECG363	NPN-Si, Driver/PO	4	0.63	12.5	470	T52	
ECG364	NPN-Si, Driver/PO	10	2.5	12.5	470	T52	
ECG365	NPN-Si, Driver/PO	15	3.0	12.5	470	T60	RF-50F6 
ECG366	NPN-Si, Driver/PO	25	6	12.5	470	T60	
ECG480	NPN-Si, PO	40	9	12.5	470	T60	
ECG367	NPN-Si, PO	45	15	12.5	470	T60	
ECG368	NPN-Si, PO	60	22	12.5	470	T60	

UHF FM 806-870 MHz

ECG481	NPN-Si, PO	6	.95	12.5	836	T61	RF-38F6B 
ECG482	NPN-Si, PO	15	4.5	12.5	836	T63	RF-23F6E 
ECG483	NPN-Si, PO	18	4.5	12.5	836	T61	RF-38F6B 
ECG484	NPN-Si, PO	25	8	12.5	836	T61	
ECG485	NPN-Si, PO	25	7	12.5	836	T62	RF-23F6 

* - Emitter to Case

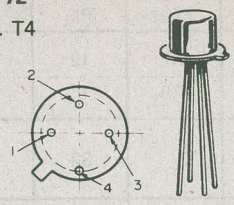
Package Outlines - See Page 1-76

TV Tuner Transistor Selector Guide

The following Selector Guide has been prepared to aid in the servicing of UHF and VHF TV tuners. These tuners have been classified into two types: the Varactor (electronically tuned tuners) and the Mechanical tuners (individually tuned coils for each TV channel). A wide variety of tuner circuit designs are used, many of which require special transistor characteristics. To simplify the selection of a replacement transistor, follow these steps:

1. Determine tuner type and stage to the Selector Guide that matches the one being repaired.
2. Determine the polarity (NPN, PNP, N-Ch) - **ALL** replacements are NPN unless otherwise listed in this guide.
3. Select the proper basing required for the device.
4. Select the case style of the transistor.

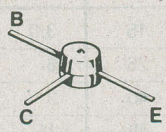
TO-72
Fig. T4



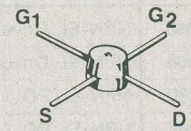
TO-92
Fig. T16



RF-15
Fig. T49



RF-15A
Fig. T49-1



Varactor Tuners (Electronic Color TV Tuners) UHF/VHF Tuners

R.F. Stage

UHF

ECG454 - DG_2G_1S, Case (FET, N-Ch, TO-72)
ECG107 - ECB (TO-92)
ECG69 - BEC (TO-92)
ECG395 - EBC Case (PNP, TO-92)
ECG455 - G_2G_1SD (FET, N-Ch, RF-15A)

VHF

ECG222 - DG_2G_1S, Case (FET, N-Ch, TO-72)
ECG107 - ECB (TO-92)
ECG69 - BEC (TO-92)
ECG395 - EBC Case (PNP, TO-72)
ECG454 - DG_2G_1S, Case (FET, N-Ch, TO-72)

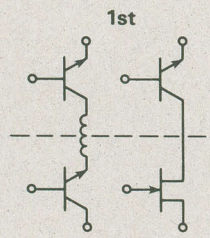
Single Mixer Stage

ECG222 - DG_2G_1S, Case (FET, N-Ch, TO-72)
ECG107 - ECB (TO-92)
ECG69 - BEC (TO-92)

UHF Diode Mixer

ECG112

Dual Mixers



1st ECG229 - BEC (TO-92)
2nd ECG107 - ECB (TO-92)
2nd ECG229 - BEC (TO-92)
2nd ECG312 - GSD (TO-92) (FET, N-Ch, D & S Interchangeable)

OSC Stage

ECG107 - ECB (TO-92)
ECG69 - BEC (TO-92)
ECG395 - EBC Case (PNP, TO-72)

Tuning Diodes

(4 Matched)

ECG616

IF Amp Stage

(Located in Tuner)

ECG107 - ECB (TO-92)
ECG108 - EBC (TO-92)
ECG161 - EBC Case (TO-72)
ECG229 - BEC (TO-92)

Switching Diodes

ECG553
ECG555

Package Outlines - See Page 1-76

Mechanical Tuners (Black and White/Color TV)
UHF Tuners (No RF Stage)

Oscillator Stage	Mixer Diode	AFC Diode
ECG313 - ECB (RF-15) **ECG107** - ECB (TO-92) **ECG108** - EBC (TO-92) **ECG69** - BEC (TO-92) **ECG395** - EBC Case (PNP, TO-72)	**ECG112**	**ECG612 (Typ)**

C

UHF Tuners (With RF Stage)

RF Stage	Mixer Stage	OSC Stage
ECG455 - G_2G_1SD (FET, N-Ch, RF-15A) **ECG395** - EBC Case (PNP, TO-72)	**ECG222** - DG_2G_1S, Case (FET, N-Ch, TO-72) **ECG107** - ECB (TO-92) **ECG69** - BEC (TO-92)	**ECG107** - ECB (TO-92) **ECG69** - BEC (TO-92)

VHF Tuners

R.F. Stage

ECG107 - ECB (TO-92)
ECG108 - EBC (TO-92)
ECG69 - BEC (TO-92)
ECG161 - EBC Case (TO-72)
ECG395 - EBC Case (PNP, TO-72)
ECG313 - ECB (RF-15)
ECG222 - DG_2G_1S, Case (FET, N-Ch, TO-72)

Single Mixer Stage

ECG107 - ECB (TO-92)
ECG161 - EBC Case (TO-92)
ECG229 - BEC (TO-92)
ECG313 - ECB (RF-15)
ECG222 - DG_2G_1S, Case (FET, N-Ch, TO-72)

OSC Stage

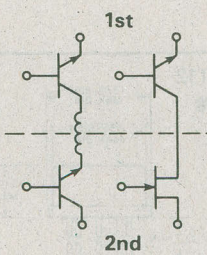
ECG107 - ECB (TO-92)
ECG108 - EBC (TO-92)
ECG161 - EBC Case (TO-72)
ECG229 - BEC (TO-92)
ECG69 - BEC (TO-92)
ECG313 - ECB (RF-15)

IF Amp Stage

(Located in Tuner)

ECG107 - ECB (TO-92)
ECG108 - EBC (TO-92)
ECG161 - EBC Case (TO-72)
ECG229 - BEC (TO-92)

Dual Mixers



1st ECG229 - BEC (TO-92)
2nd ECG229 - BEC (TO-92)
2nd ECG107 - ECB (TO-92)
2nd ECG312 - GSD (TO-92)
(FET, N-Ch, D & S Interchangeable)

AFC Diode

ECG613 (Typ)

Package Outlines - See Page 1-76

Notes:

ECG108 - **NOT** for use in oscillator stage of Varactor tuners as varactor diodes load down the oscillator output.

ECG319P - Use for AGC controlled IF's, **NOT** good for 3rd VIF.

ECG229 - Use in last VIF stage.

ECG233 - Black and White only, use in 3rd or last VIF stage.

Transistor Outlines

Fig. T1
TO-1

ECG
102A
103A
158

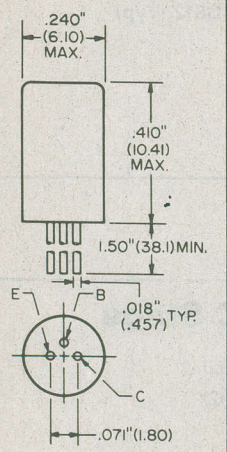


Fig. T2
TO-18

ECG	1	2	3
106	E	B	C
123A*	E	B	C
126A	E	B	C
462	S	G	D
466	S	D	G

*Collector to Case

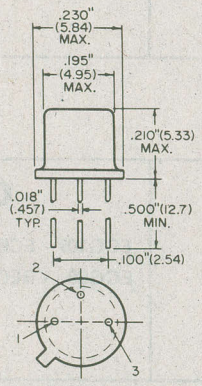
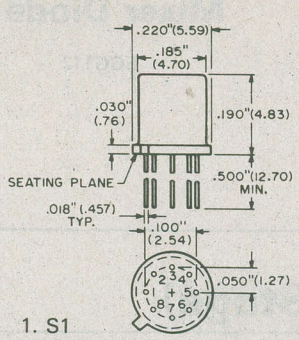


Fig. T3
TO-71

ECG
461



1. S1
2. D1
3. G1
4. Blank
5. S2
6. D2
7. G2
8. Blank

Fig. T4
TO-72

ECG	1	2	3	4
160	E	B	C	CASE
161	E	B	C	CASE
220	D	S	G	CASE
221	D	G2	G1	S, CASE
222	D	G2	G1	S, CASE
316	E	B	C	CASE
395	E	B	C	CASE
452	S	D	G	CASE
454	D	G2	G1	S, CASE
456*	D	S	G	CASE
459*	S	D	G	CASE
460*	S	G	D	CASE
464	S	G	D	CASE
465	S	G	D	CASE

* D & S Interchangeable

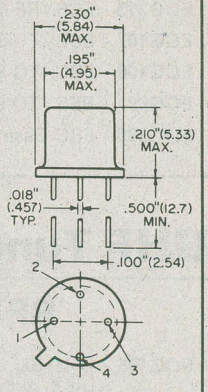


Fig. T5
TO-5

ECG
100
101
102
103

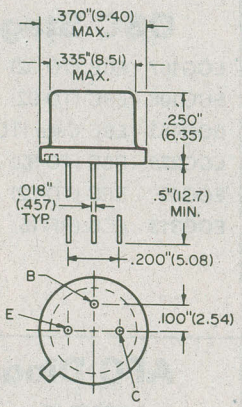


Fig. T6
TO-39

ECG
77 **324**
123 **329**
128 **346**
129 **396**
154 **397**
176 **472**
195A **473**
278 **479**
311 **486**
323

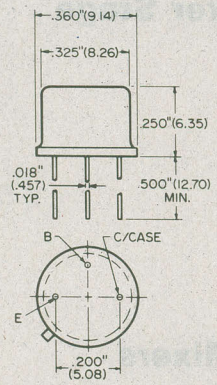


Fig. T7
TO-39EC

ECG
341
361

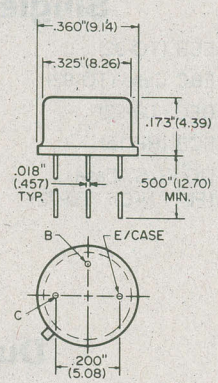
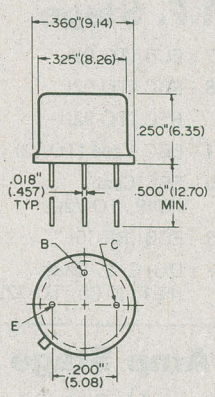


Fig. T8
TO-39A

ECG
487



Note: All leads electrically isolated from case.

Fig. T9
TO-39EG

ECG
488

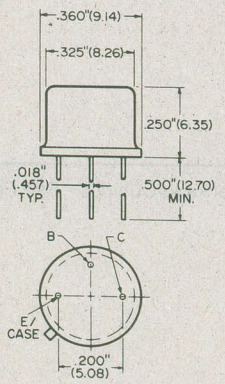
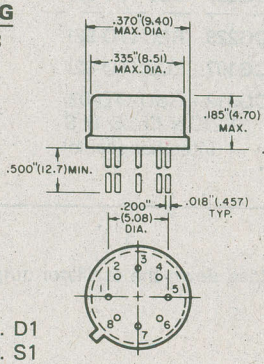


Fig. T10
TO-99

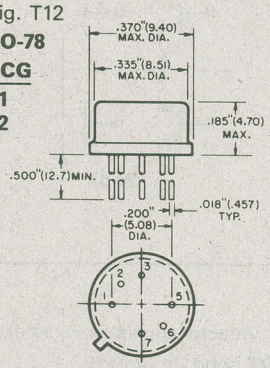
ECG
463



1. D1
2. S1
3. G1
4. Base, Case
5. G2
6. S2
7. D2
8. NC

Fig. T12
TO-78

ECG
81
82

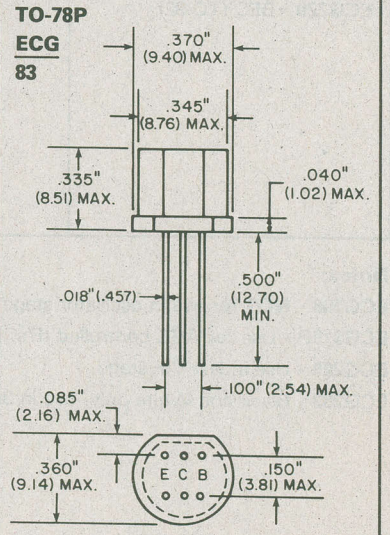


1. Collector 1
2. Base 1
3. Emitter 1
5. Emitter 2
6. Base 2
7. Collector 2

Note: All leads electrically isolated from case.

Fig. T13
TO-78P

ECG
83



Transistor Outlines (cont'd)

Fig. T13-1
SP-92
ECG
26

1. EMITTER
2. COLLECTOR
3. BASE

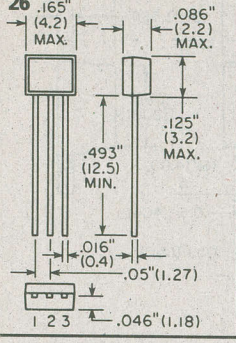
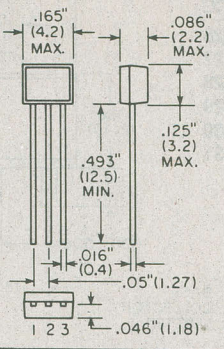


Fig. T13-2
SP-92
ECG
2355
2356
2357
2358
2359
2360

1. GND
2. OUT
3. IN



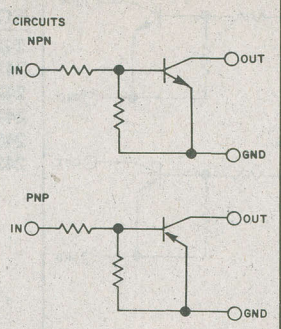


Fig. T14 • Alternate Fig. T16
TO-98M
ECG
453

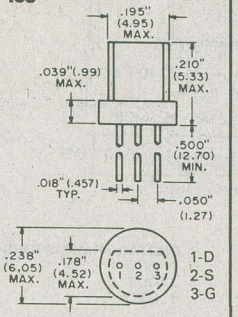


Fig. T15 • Alternate Fig. T16
TO-98
ECG
172A•
199•

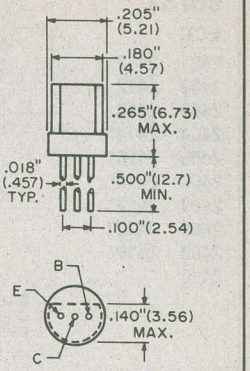
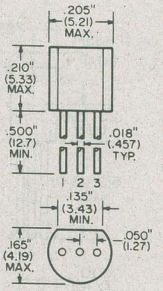


Fig. T16
TO-92

ECG	1	2	3
10	B	E	C
11	E	C	B
12	E	C	B
23	B	E	C
46	E	B	C
47	E	B	C
69	B	E	C
85	E	C	B
107	E	C	B
108	E	B	C
123AP	E	B	C

ECG	1	2	3
159	E	B	C
172A■	E	C	B
194	E	B	C
199■	E	C	B
229	B	E	C
232	E	B	C
233	E	B	C
234	E	C	B
287	E	B	C
288	E	B	C
289A	E	C	B

ECG	1	2	3
290A	E	C	B
312*	G	S	D
319P	B	E	C
326*	S	D	G
451	D	S	G
453•	D	S	G
457*	D	S	G
458	D	G	S
467	D	S	G
2341	E	C	B
2342	E	C	B



• Alternate Fig. T14
■ Alternate Fig. T15
* D & S Interchangeable

Fig. T17
TO-237
ECG
24*
25*
128P
129P
216
217
227
255

1. EMITTER
2. BASE
3. COLLECTOR

*1. EMITTER
2. COLLECTOR
3. BASE

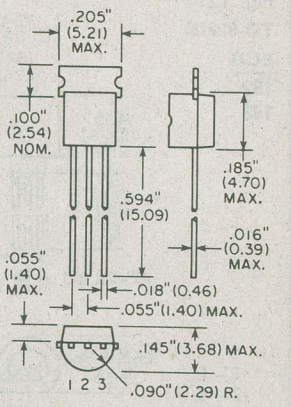


Fig. T18
TO-92M

ECG	1	2	3
31	E	C	B
32	E	C	B
48	E	B	C
90	E	C	B
91	E	C	B
382	E	C	B
383	E	C	B

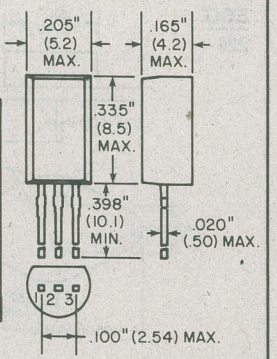


Fig. T19
SC-51
ECG
315

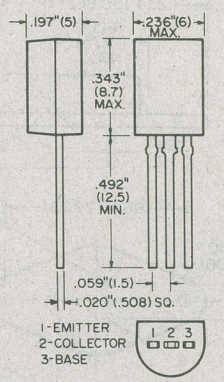


Fig. T20
T-16
ECG
293
294
297
298
340
399

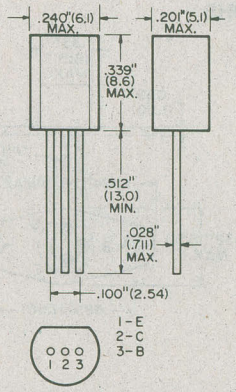


Fig. T20-1
SIP-5

ECG	1	2	3	4	5
40	B	C	E	C	B
41	B	C	E	C	B
42	B	C	E	C	B
43	B	C	E	C	B
44	E	C	B	C	E
45	E	C	B	C	E

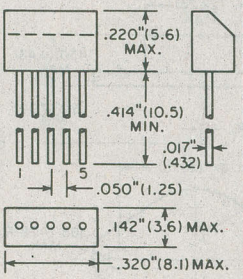


Fig. T20-2
M-68
ECG
14
15

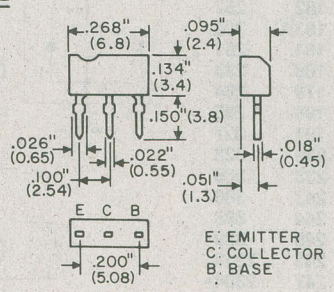
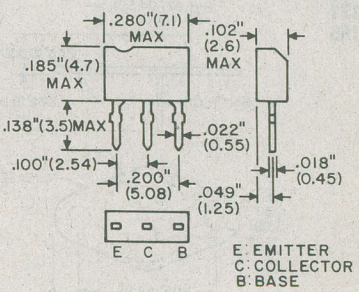


Fig. T20-3
M-71
ECG
13
16
17
18
19
20
21
22



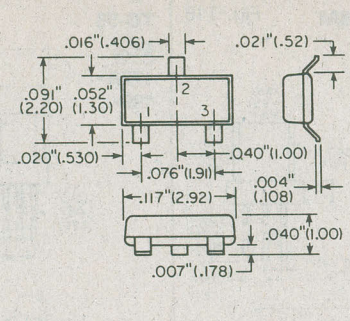
Transistor Outlines (cont'd)

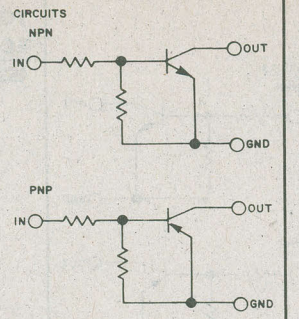
Fig. T20-4

SOT-23

ECG

2401	2411
2402	2412
2403	2413
2404	2414*
2405	2415*
2406	2416*
2407	2417*
2408	2418*
2409	2419*
2410	





1. BASE
2. COLLECTOR
3. EMITTER

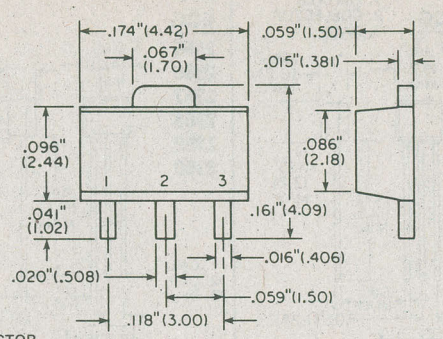
* DIGITAL TRANSISTORS
1. IN
2. OUT
3. GND

Fig. T20-5

SOT-89

ECG

2426
2427
2428
2429
2430
2431



1. BASE
2. COLLECTOR
3. EMITTER

Fig. T21

TO-92HS

ECG

192
193

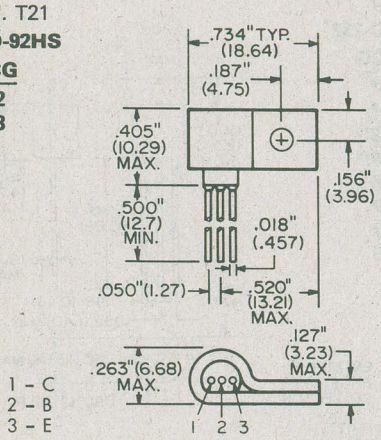


Fig. T22

T-16HS

ECG

192A
193A

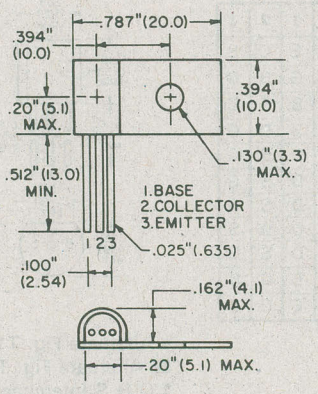


Fig. T23

TO-39F

ECG

224
225

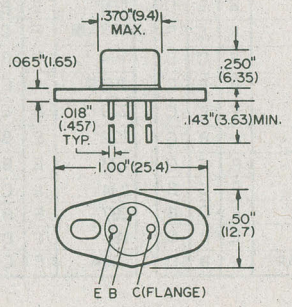


Fig. T24

TO-39HS

ECG

237

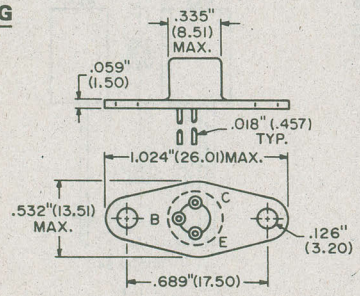


Fig. T25

TO-66

ECG

38
57
124
175
218
274
275
286
321
369
384

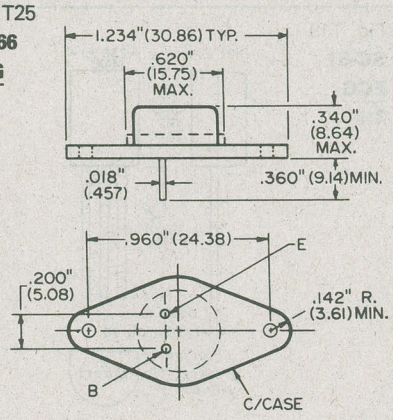


Fig. T26

TC-9A

ECG

226

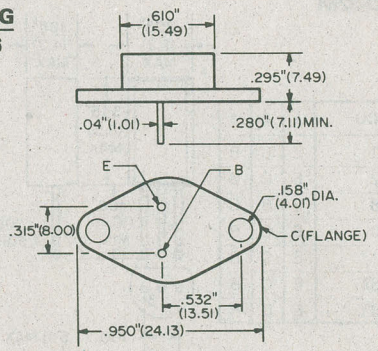


Fig. T27

TC-9

ECG

131
155

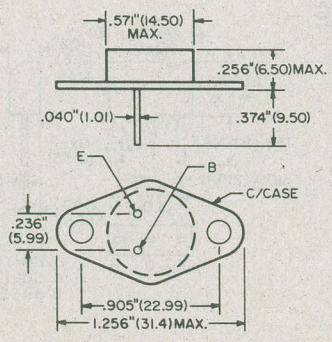


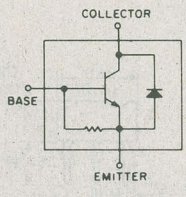
Fig. T28

* Internal Circuit for ECG89

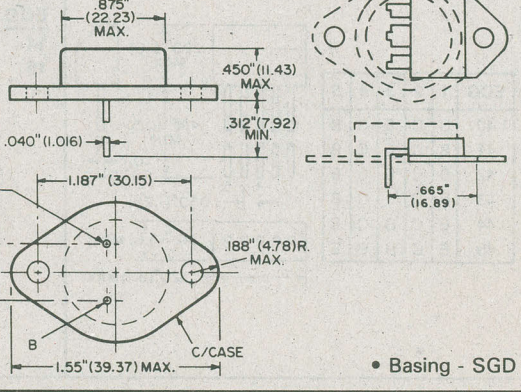
TO-3

ECG

52	130	251
53	162	252
60	163A	280
61	164	281
62	165	283
68	179	284
86	180	285
87	181	327
88	219	328
89*	238	385
94	243	386
97	244	388
98	245	389
99	246	2319
104	247	2384•
121	248	2386•
127	249	2392•
	250	



Mechanical Interchangeability of Plastic Package with TO-3 Case.



• Basing - SGD

Transistor Outlines (cont'd)

Fig. T28A
TO-3
ECG
27
29
30
387
2349
2350

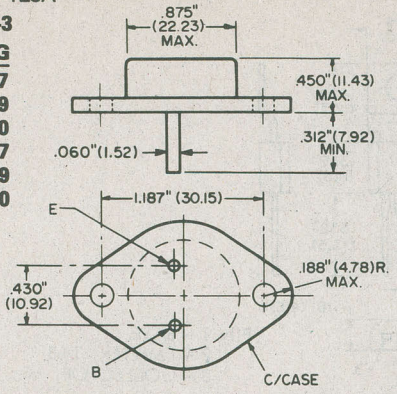
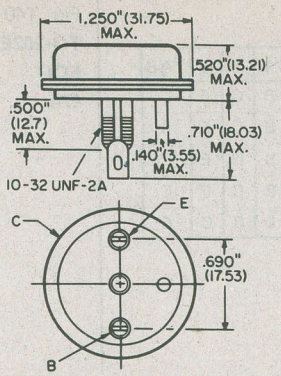


Fig. T29
TO-36
ECG
105
213
330
330W*



* Supplied with Welded-On Wire Leads

Fig. T29A
TO-68
ECG
28

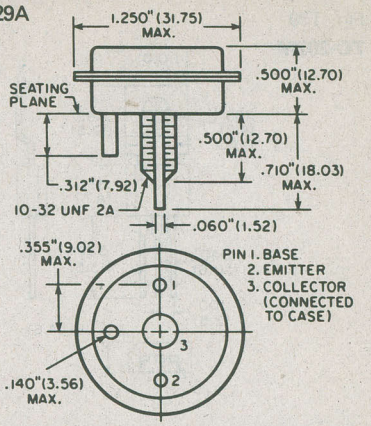
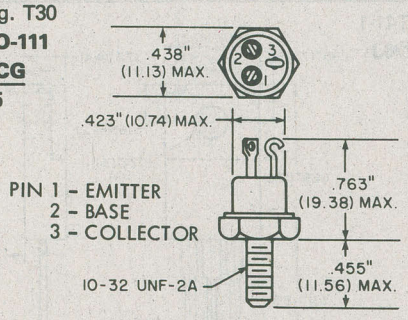


Fig. T30
TO-111
ECG
75



COLLECTOR TO STUD

Fig. T31
TO-59
Isolated Stud
ECG
95
96

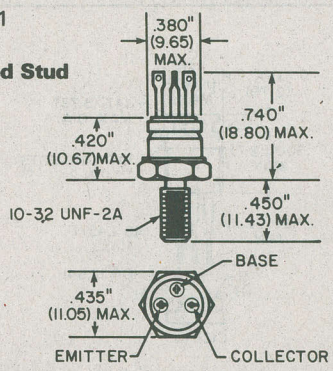


Fig. T32
TO-59
ECG
74

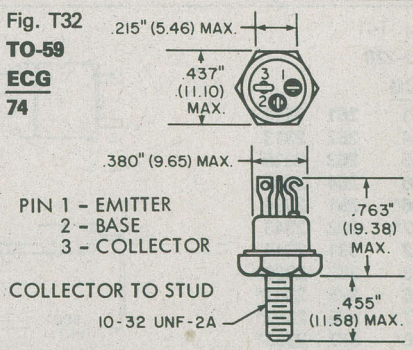


Fig. T33
TO-61
Isolated Stud
ECG
72

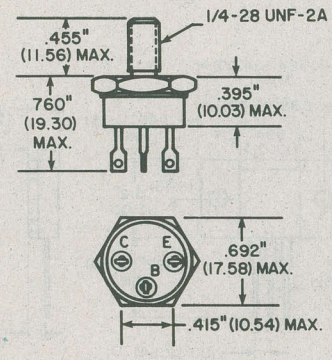
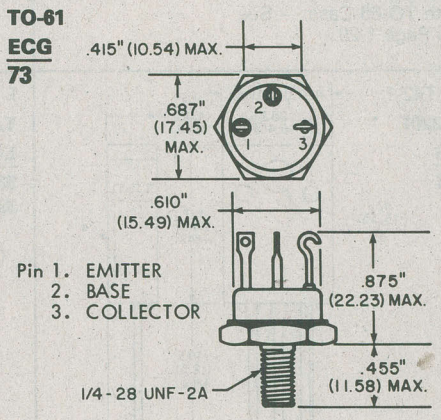


Fig. T34
TO-61
ECG
73



COLLECTOR TO STUD

Fig. T35
TO-63
ECG
70
71

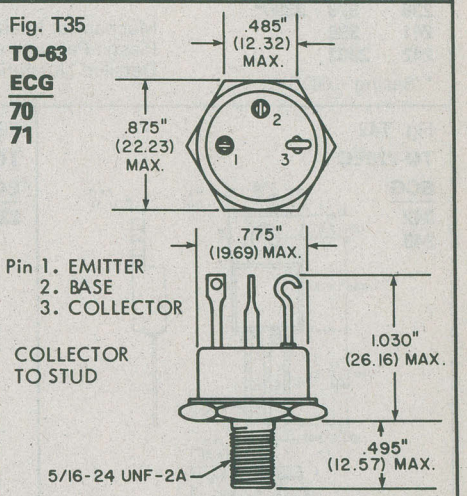


Fig. T36
TO-202N
ECG
188
189
190
191
240
272
273
322

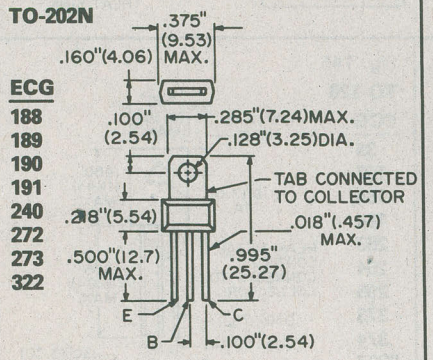


Fig. T37
TO-202J

ECG	1	2	3
80	B	C	E
302	E	B	C
306	B	C	E

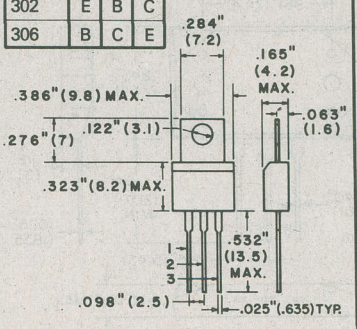
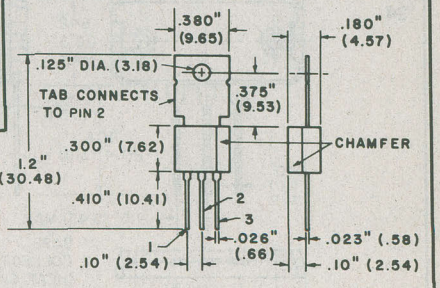


Fig. T38
TO-202

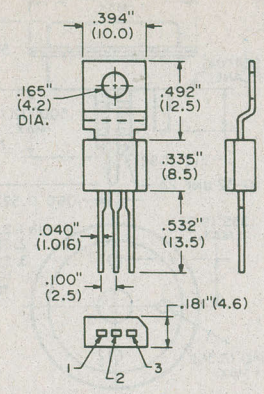
ECG	1	2	3
49 50 171 210 211 265 266 267 268 269 296	E	B	C

ECG	1	2	3
186 187	B	C	E
299 300 307	C	B	E



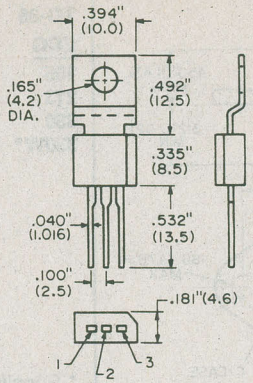
Transistor Outlines (cont'd)

Fig. T39
TO-202M



ECG	1	2	3	TAB
78	B	C	E	C
79	B	C	E	C
186A	B	C	E	C
187A	B	C	E	C
228A	E	B	C	C

Fig. T40
TO-202EC
ECG
474

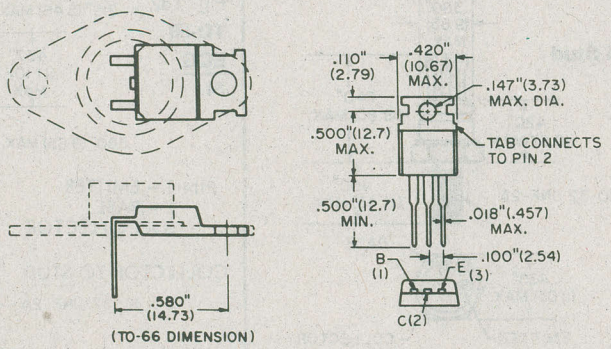


PIN 1 - BASE
2 - EMITTER, TAB
3 - COLLECTOR

Fig. T41
TO-220
ECG

51	**261**	**2312**
54	**262**	**2313**
55	**263**	**2315**
56	**264**	**2332**
66*	**291**	**2334**
67*	**292**	**2343**
152	**331**	**2344**
153	**332**	**2380***
196	**375**	**2381***
197	**376**	**2382***
198	**377**	**2383***
235	**378**	**2388***
236	**379**	**2390***
241	**398**	
242	**2303**	

* Basing - GDS



Mechanical Interchangeability of TO-220 Plastic Package with TO-66 Case — See Detailed Illustration Page 1-29.

Fig. T41-1
TO-220J
ECG
2336

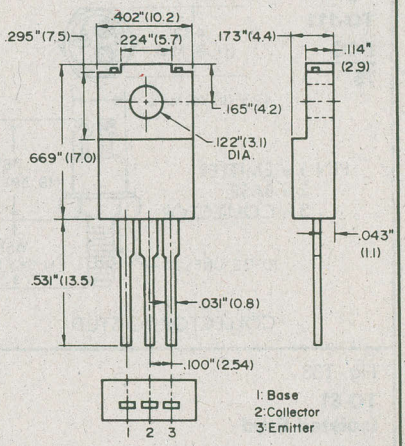
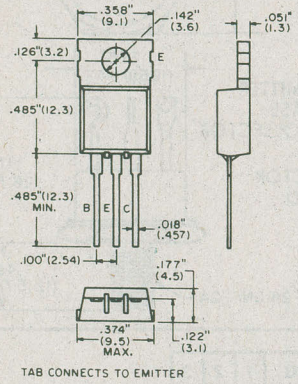
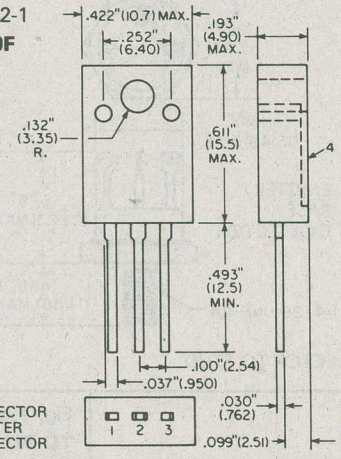


Fig. T42
TO-220EC
ECG
342
343



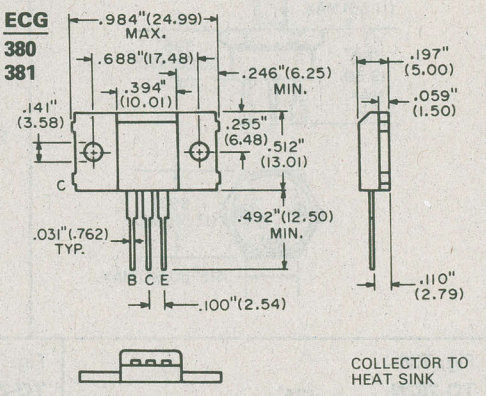
TAB CONNECTS TO EMITTER

Fig. T42-1
TO-220F
ECG
2326



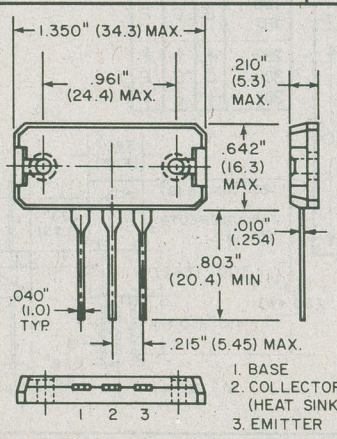
1. BASE
2. COLLECTOR
3. EMITTER
4. COLLECTOR

Fig. T43
TB-33
ECG
380
381



COLLECTOR TO HEAT SINK

Fig. T44
TB-34
ECG
33
34



1. BASE
2. COLLECTOR (HEAT SINK)
3. EMITTER

Fig. T44-1
TB-35
ECG
58
59
92
93

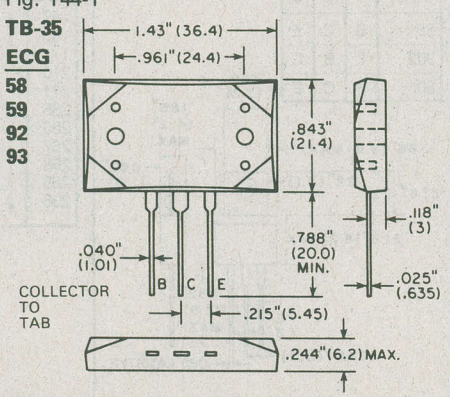
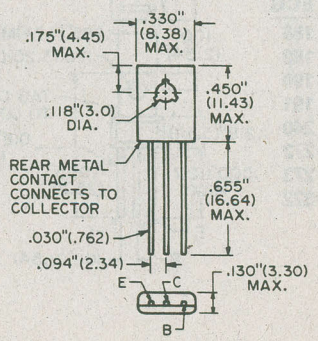


Fig. T45
TO-126
ECG
39
157
184
185
253
254
295
373
374
2327
2338



Transistor Outlines (cont'd)

Fig. T45-1
TO-126N
ECG
2340

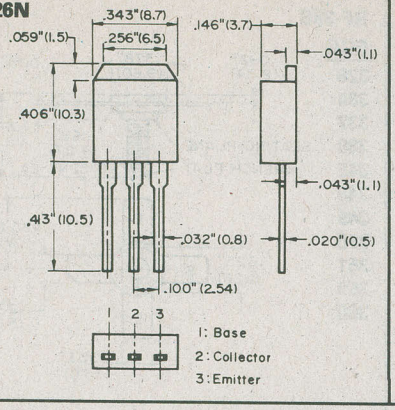


Fig. T45-2
SOT-82
ECG
2345
2346

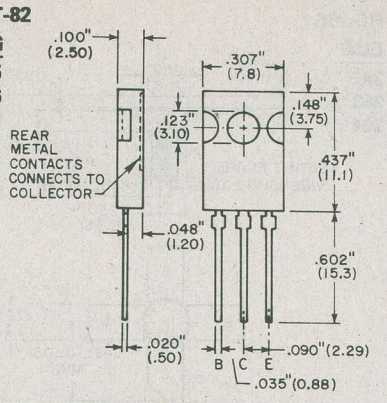


Fig. T46
TO-127
ECG
182 258
183 259
257 260

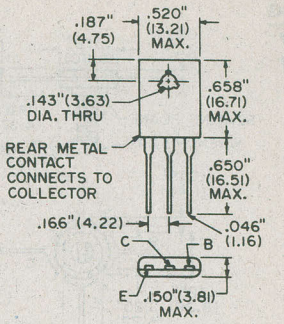
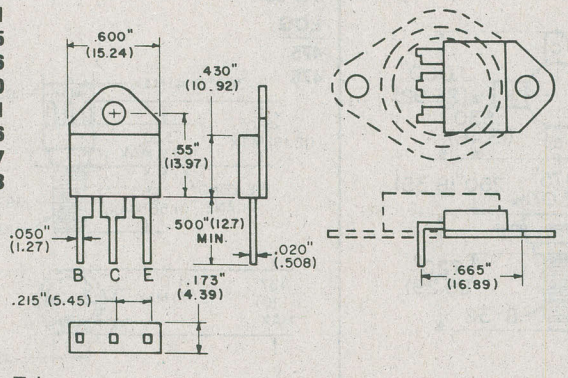


Fig. T48
TO-3P (TO-218)
ECG
256 2301
270 2305
271 2306
390 2310
391 2311
392 2316
393 2317
394 2318
2300

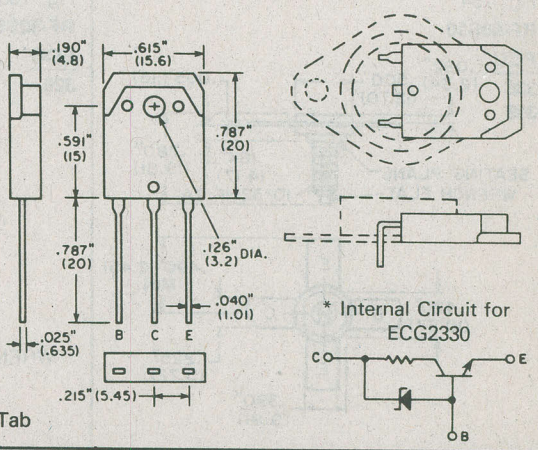
Mechanical Interchangeability of TO-218 Plastic Package with TO-3.



Collector to Tab

Fig. T48-1
TO-3PJ
ECG
36 2307
37 2308
214 2309
215 2314
2302 2330*
2304

Mechanical Interchangeability of TO-3PJ Plastic Package with TO-3.



Collector to Tab

Fig. T48-2
TO-3PL
ECG
2328
2329

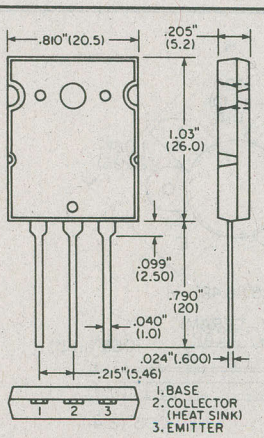


Fig. T49
RF-15
ECG
313

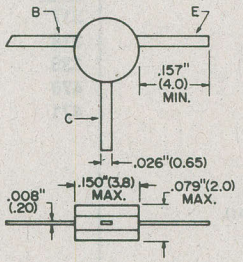


Fig. T49-1
RF-15A
ECG
455

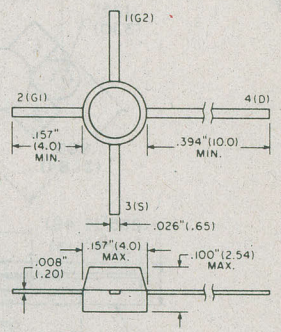


Fig. T49-2
RF-19
ECG
65

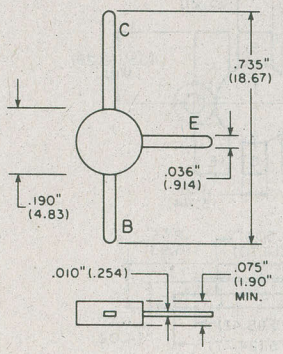


Fig. T49-3
RF-19A
ECG
63
64

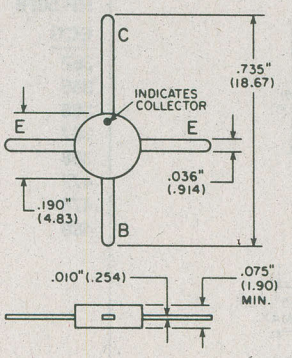
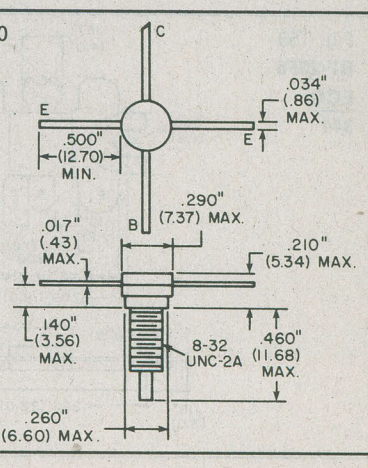


Fig. T50
TO-117
ECG
76



Transistor Outlines (cont'd)

Fig. T51
RM-38SM
ECG
347
357

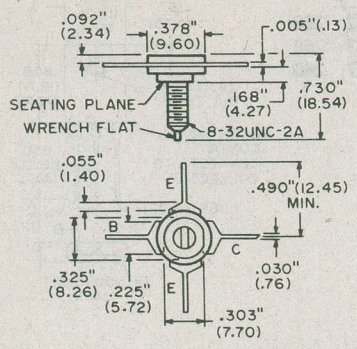


Fig. T52
RF-28S
ECG
362
363
364

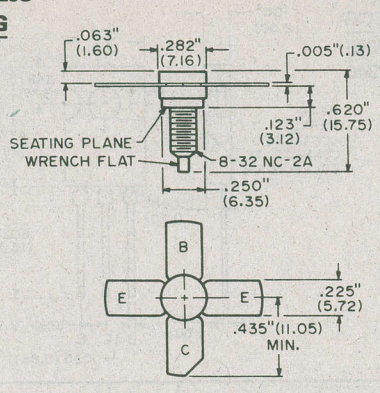


Fig. T53
RF-38S
ECG
325
334
337
338
345
348
349
350
351
359
360

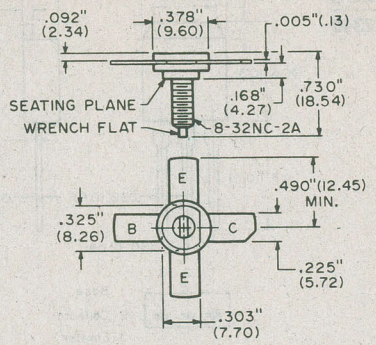


Fig. T54
RF-50S10
ECG
336
339

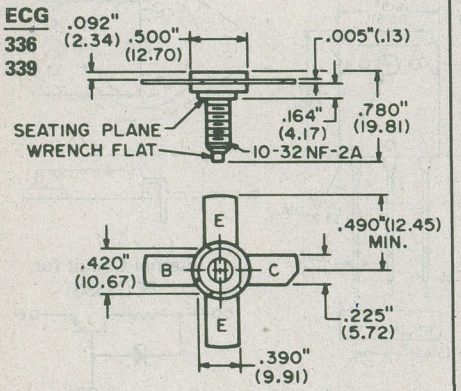


Fig. T55
RF-50SS
ECG
320

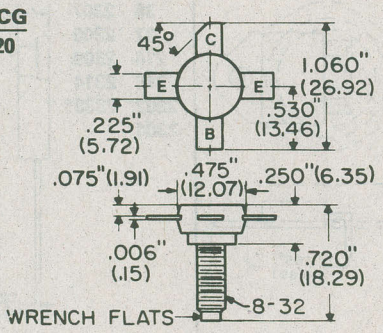


Fig. T56
TO-60
ECG
475
476

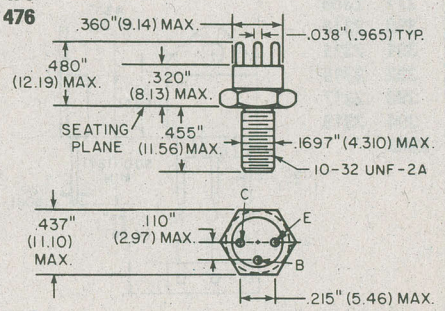


Fig. T57
RF-38F
ECG
320F
333
338F
350F
353
354
355
356

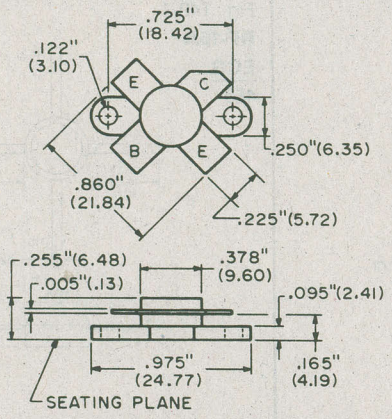


Fig. T58
RF-50F
ECG
317
318
335
470
471

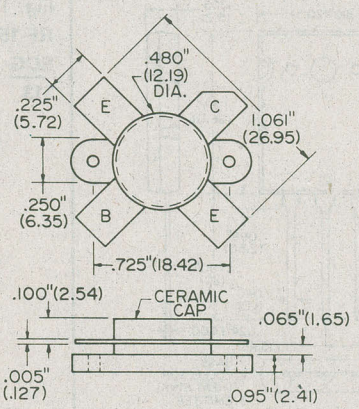


Fig. T59
RF-28F6
ECG
344

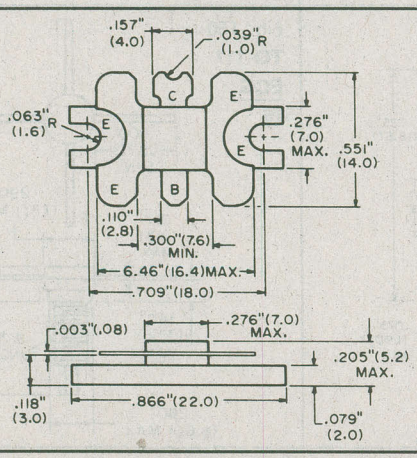
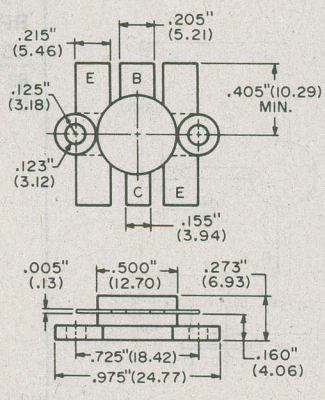


Fig. T60
RF-50F6
ECG
352
365
366
367
368
477
478
480



Transistor Outlines (cont'd)

Fig. T61
RF-38F6B
ECG
481
483
484

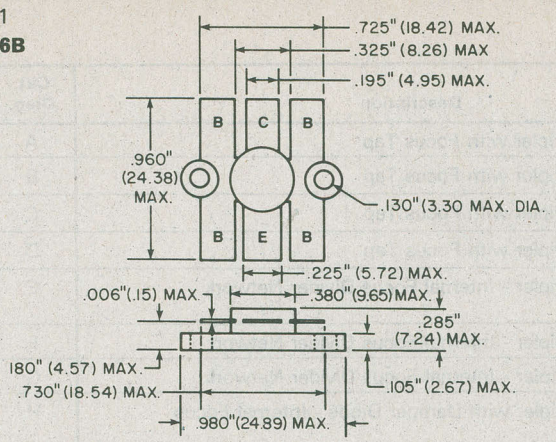


Fig. T62
RF-23F6
ECG
485

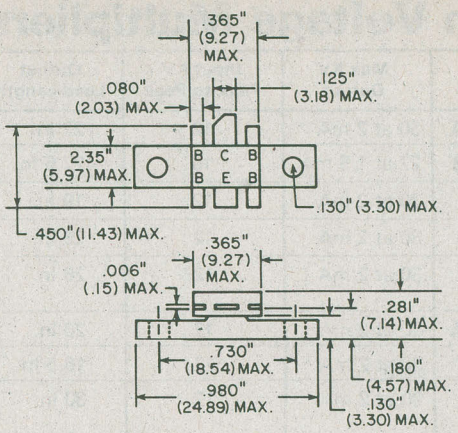


Fig. T63
RF-23F6E
ECG
482

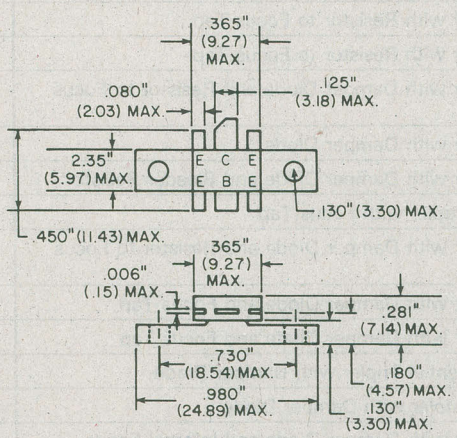
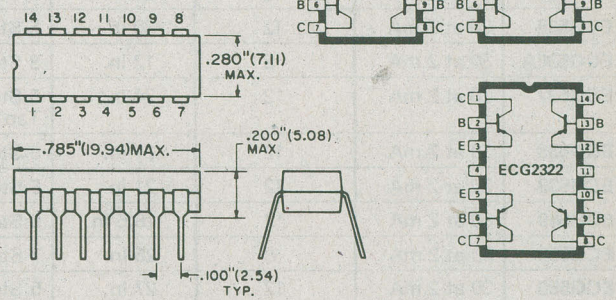


Fig. T66
14-Pin DIP
ECG
2320
2321
2322
2323



High Voltage Devices

High Voltage Multipliers

ECG Type	Max KV Output	Input KV Peak to Peak	Output Lead Length	Description	Ckt. Diag.	Fig. No.
ECG500A	30 at 2 mA	12	27 In.	6 Step Silicon Tripler with Focus Tap	A	H3
ECG501B	27 at 1.5 mA	10	27.5 In.	5 Step Silicon Tripler with Focus Tap	B	H1
ECG521	30 at 2 mA	12	19 In.	6 Step Silicon Tripler with Focus Tap	C	H4
ECG522	30 at 2 mA	12	29 In.	5 Step Silicon Tripler with Focus Tap	D	H3
ECG523/ 3306	30 at 2 mA	12	26 In.	5 Step Silicon Tripler - Internal Focus Divider Network	E	H10
ECG526A	30 at 2 mA	12	26 In.	5 Step Silicon Tripler - Internal Focus Divider Network	F	H10
ECG528	30 at 2 mA	12	16.5 In.	5 Step Silicon Tripler - Internal Focus Divider Network	G	H19
ECG529	30 at 2 mA	12	30 In.	5 Step Silicon Tripler with Damper Diode - Internal Focus Divider Network	H	H10
ECG530	30 at 2 mA	12	30 In.	6 Step Silicon Tripler - Internal Focus Divider Network	I	H10
ECG531	30 at 2 mA	12	24 In.	6 Step Silicon Tripler with Resistor to Focus Tap	J	H7
ECG532	30 at 2 mA	12	24 In.	6 Step Silicon Tripler with Resistor to Focus Tap	K	H7
ECG533	30 at 2 mA	12	25 In.	5 Step Silicon Tripler with Damper Diode and Resistor to Focus Tap	L	H7
ECG534	30 at 2 mA	12	26 In.	5 Step Silicon Tripler with Damper Diode	M	H5
ECG535	30 at 2 mA	12	30 In.	5 Step Silicon Tripler with Damper Diode and Bleeder Resistor	N	H11
ECG536A	30 at 2 mA	8	12 In.	8 Step Silicon Quadrupler with Focus Tap	O	H8
ECG537	30 at 2 mA	12	24 In.	5 Step Silicon Tripler with Damper Diode and Resistor to Focus Tap	P	H7
ECG538	30 at 2 mA	12	21 In.	5 Step Silicon Tripler with Damper Diode and Focus Tap	Q	H2
ECG539	30 at 2 mA	12	21 In.	5 Step Silicon Tripler with Damper Diode and Focus Tap	R	H1
ECG549	30 at 2 mA	12	18.5 In.	5 Step Silicon Tripotential Tripler with Damper Diode	S	H14
ECG550	30 at 2 mA	8	25 In.	7 Step Silicon Quadrupler with Damper Diode	T	H6
ECG556	30 at 2 mA	12	27 In.	5 Step Silicon Tripler with Damper Diode and Internal Focus Divider Network	V	H10
ECG557	30 at 2 mA	12	27 In.	5 Step Silicon Tripler with Damper Diode and Internal Focus Divider Network	W	H10
ECG559	28 at 2 mA	12	22 In.	5 Step Silicon Tripotential Tripler	X	H15
ECG560	30 at 2 mA	12	22 In.	5 Step Silicon Tripler with Internal Focus Divider Network	Y	H17
ECG561	28 at 2 mA	12	22 In.	5 Step Silicon Tripler with Damper Diode and Internal Focus Divider Network	Z	H18
ECG562	28 at 2 mA	12	22 In.	5 Step Silicon Tripotential Tripler with Damper Diode	AA	H16
ECG563	17 at 0.1 mA	10	8.5 In.	3 Step Silicon Doubler with Bleeder Resistor and Indicator Lamp	AB	H21
ECG564	21 at 1.5 mA	8	12.5 In.	5 Step Silicon Tripler with Internal Focus Divider Network	AC	H12
ECG565	30 at 2 mA	12	Plug-In	5 Step Silicon Tripler with Damper Diode and Bleeder Resistor	AD	H13

High Voltage Rectifier/Divider

ECG Type	Max KV Output	Input KV Peak to Peak	Output Lead Length	Description	Ckt. Diag.	Fig. No.
ECG568	33 at 1.5 mA	35	20 In.	HV Rectifier/Focus Divider Network	AE	H48

Ckt. AE **ECG568**

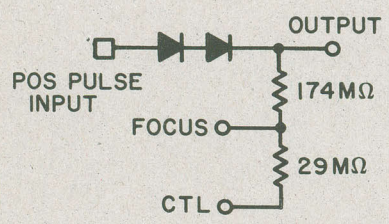
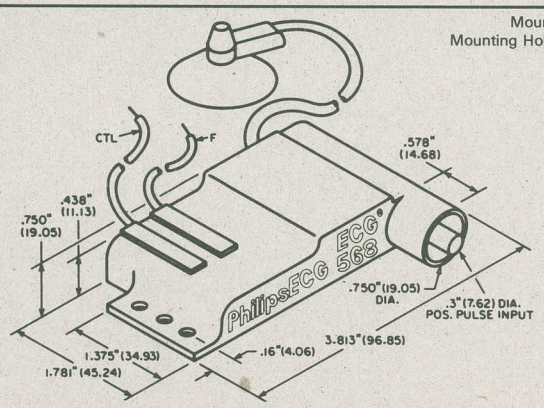
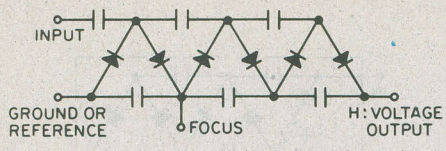


Fig. H48
ECG568

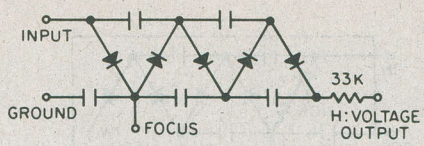


HV Multiplier Circuits

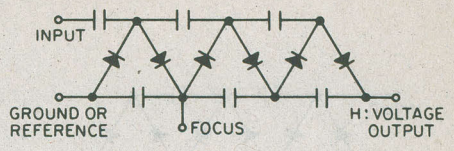
Ckt. A **ECG500A**



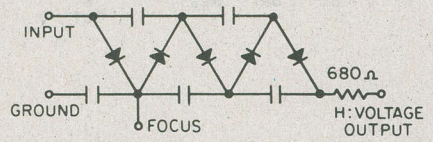
Ckt. B **ECG501B**



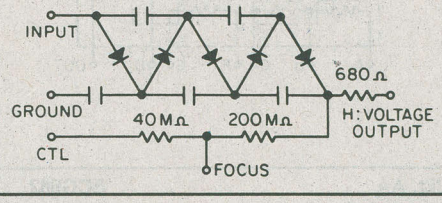
Ckt. C **ECG521**



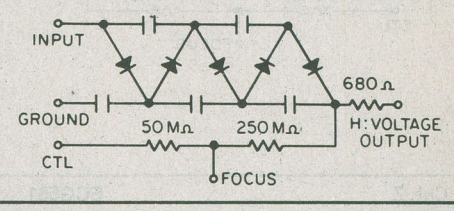
Ckt. D **ECG522**



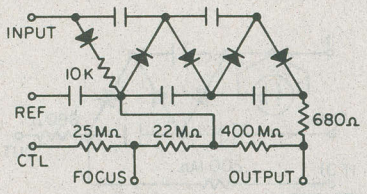
Ckt. E **ECG523/3306**



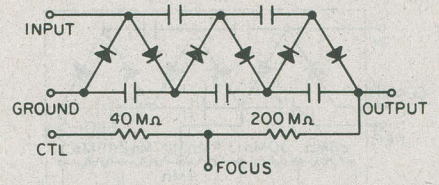
Ckt. F **ECG526A**



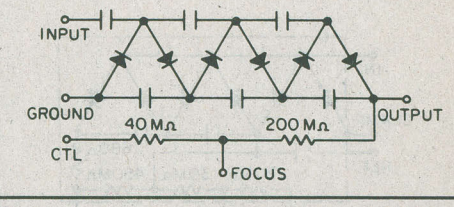
Ckt. G **ECG528**



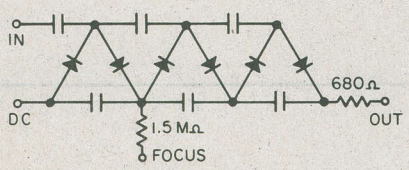
Ckt. H **ECG529**



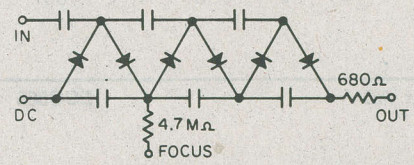
Ckt. I **ECG530**



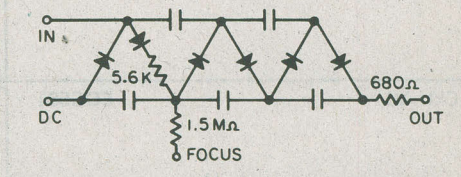
Ckt. J **ECG531**



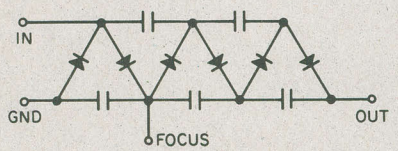
Ckt. K **ECG532**



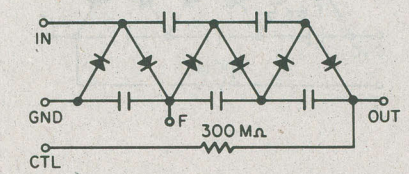
Ckt. L **ECG533**



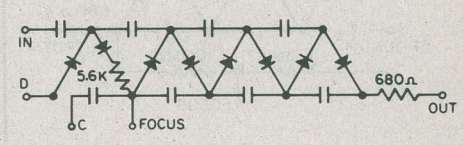
Ckt. M **ECG534**



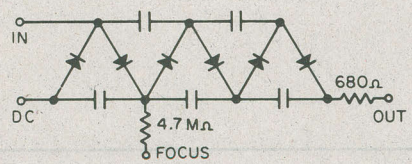
Ckt. N **ECG535**



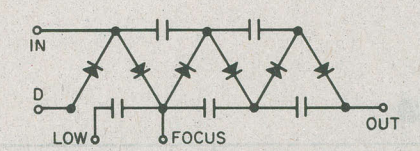
Ckt. O **ECG536A**



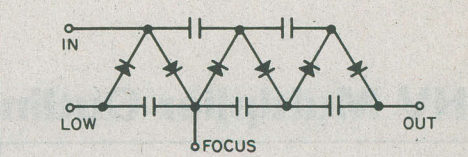
Ckt. P **ECG537**



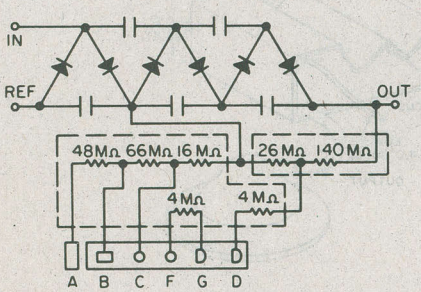
Ckt. Q **ECG538**



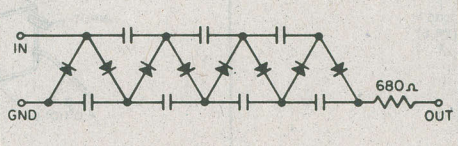
Ckt. R **ECG539**



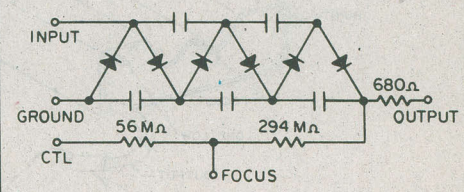
Ckt. S **ECG549**



Ckt. T **ECG550**



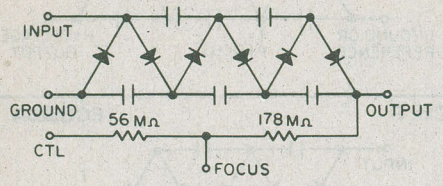
Ckt. V **ECG556**



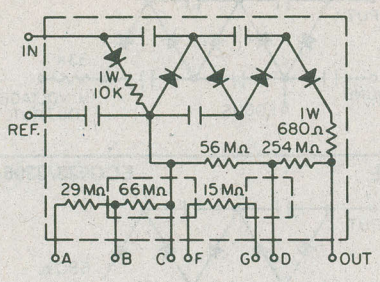
E

HV Multiplier Circuits (cont'd)

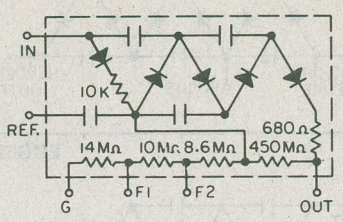
Ckt. W **ECG557**



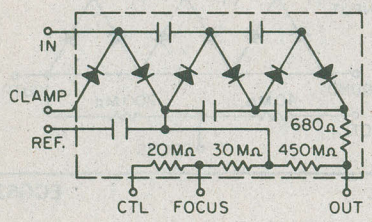
Ckt. X **ECG559**



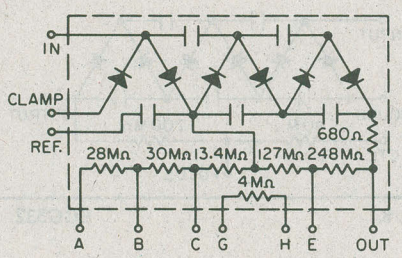
Ckt. Y **ECG560**



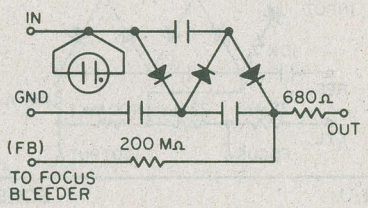
Ckt. Z **ECG561**



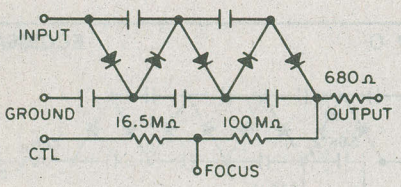
Ckt. AA **ECG562**



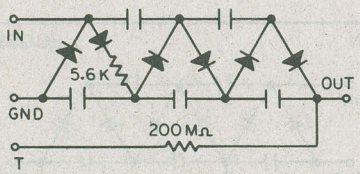
Ckt. AB **ECG563**



Ckt. AC **ECG564**



Ckt. AD **ECG565**



HV Multiplier Outlines

Fig. H1
ECG
501B
539

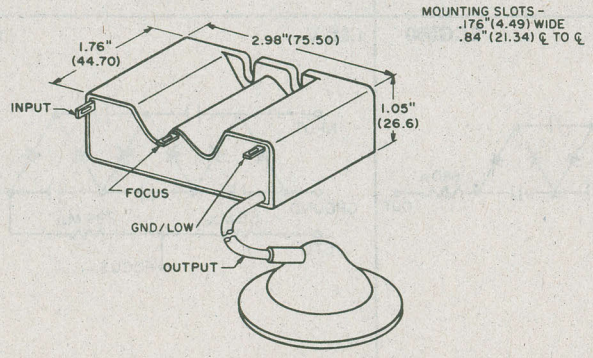
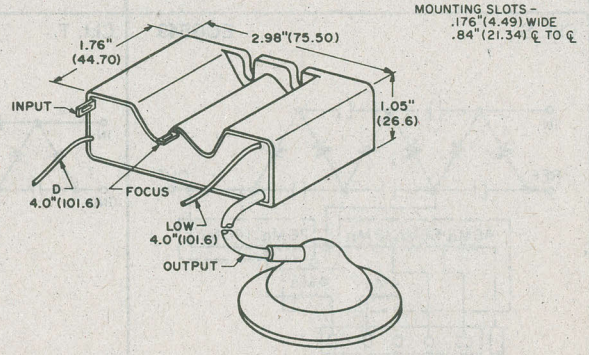


Fig. H2
ECG538



HV Multiplier Outlines (cont'd)

Fig. H3
ECG
500A
522

MOUNTING SLOTS - .187" WIDE .406" LONG 3.375" ℄ to ℄

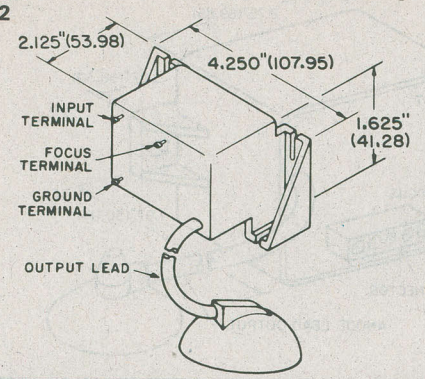


Fig. H4
ECG521

MOUNTING SLOTS - 4.8 WIDE 10.3 LONG 78.7 ℄ to ℄

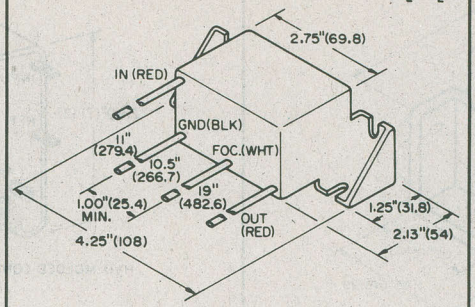


Fig. H5
ECG534

MOUNTING SLOTS - .19"(4.83) WIDE 3.38"(85.85) ℄ TO ℄

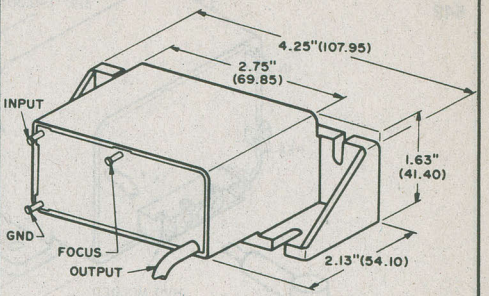


Fig. H6
ECG550

MOUNTING SLOTS .19" (4.83) Wide .40" (10.2) Long 3.38" (85.8) C_L to C_L

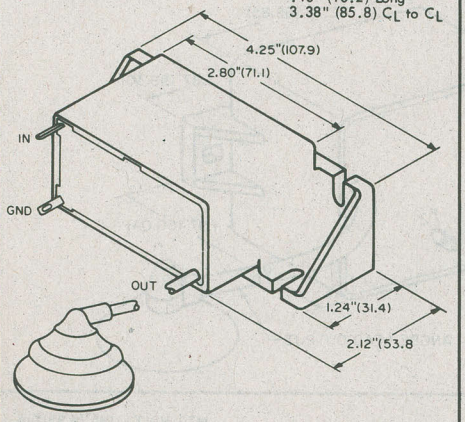


Fig. H7
ECG
531
532
533
537

MOUNTING HOLES - .19"(4.83) DIA. .19"(4.83) X .25"(6.35) 3.375"(85.7) ℄ TO ℄

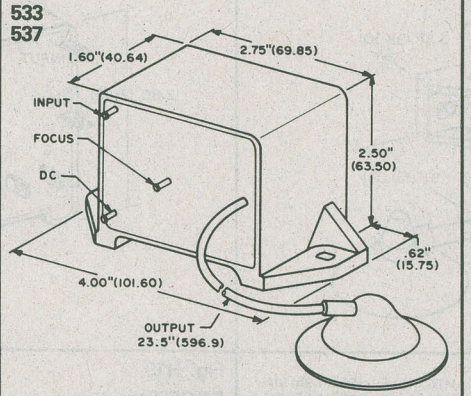


Fig. H8
ECG536A

MOUNTING HOLES - .19"(4.83) DIA. .19"(4.83) X .25"(6.35) 3.375"(85.7) ℄ TO ℄

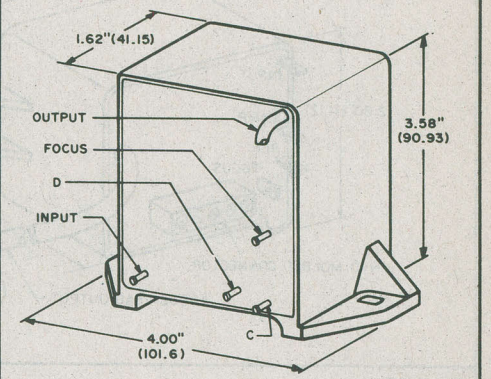
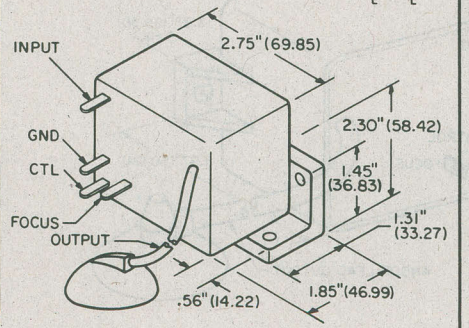


Fig. H9
ECG523/3306•

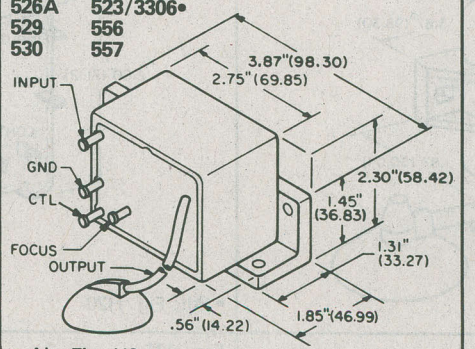
MOUNTING HOLES - .19" (4.83) x .25" (6.35) 3.39" (86.11) ℄ to ℄



• Alt. Fig. H10

Fig. H10
ECG
526A **523/3306•**
529 **556**
530 **557**

MOUNTING HOLES – .19"(4.83) DIA. 3.38"(85.85) ℄ TO ℄



• Alt. Fig. H9

Fig. H11
ECG535

MOUNTING HOLES – .19"(4.83) DIA. 3.38"(85.85) ℄ TO ℄

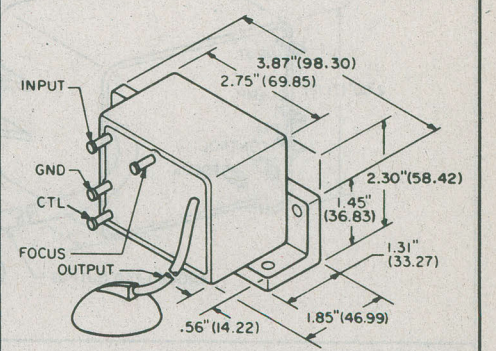


Fig. H12
ECG564

MOUNTING HOLES – .19"(4.83) DIA. 3.38"(85.85) ℄ TO ℄

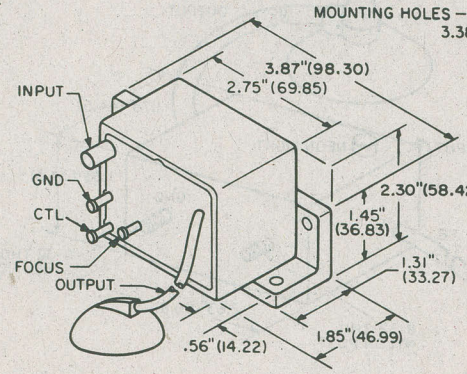
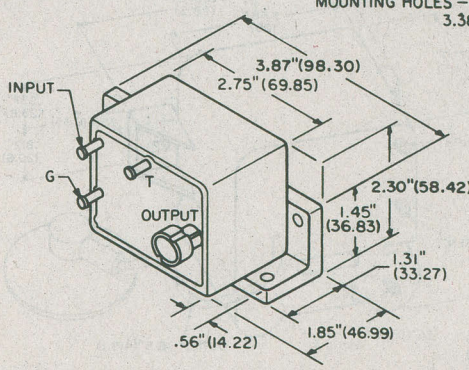


Fig. H13
ECG
565

MOUNTING HOLES – .19"(4.83) DIA. 3.38"(85.85) ℄ TO ℄



E

HV Multiplier Outlines (cont'd)

Fig. H14
ECG
549

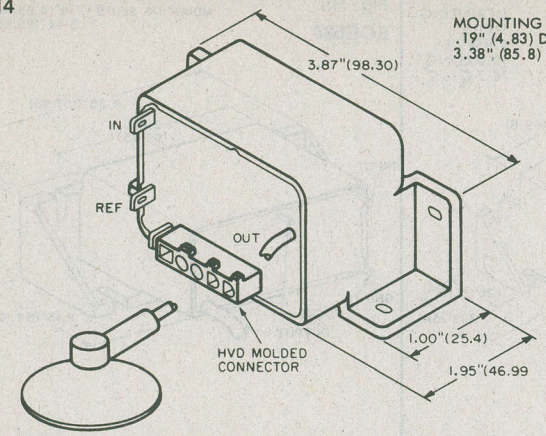


Fig. H15
ECG559

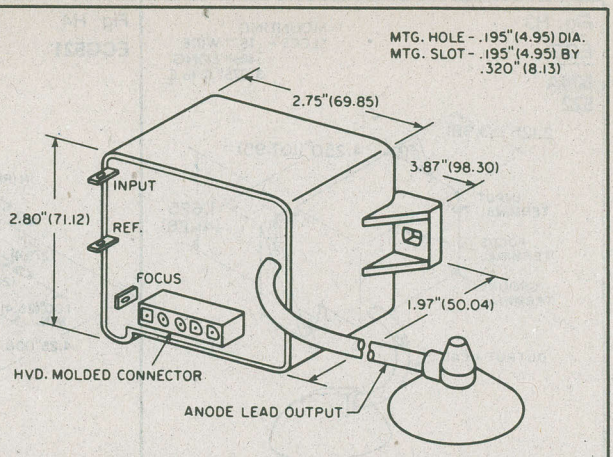


Fig. H16
ECG562

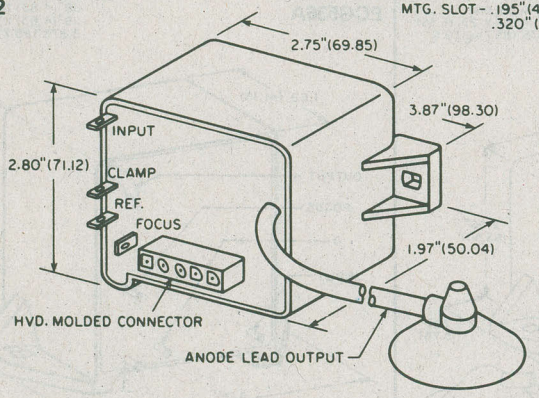


Fig. H17
ECG560

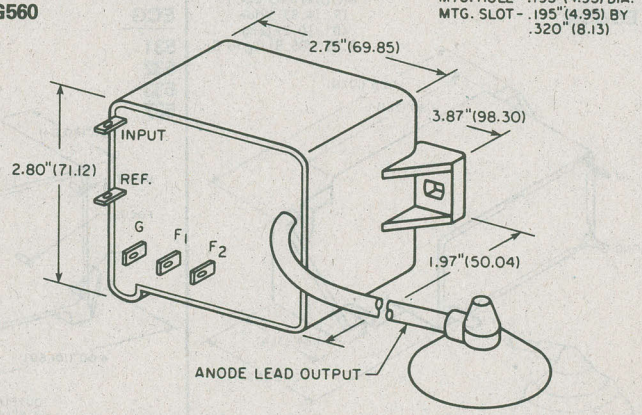


Fig. H18
ECG561

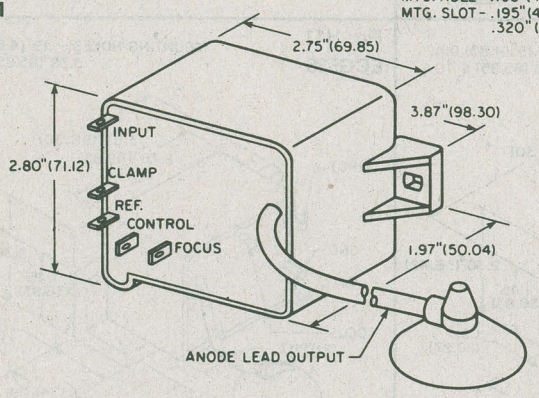
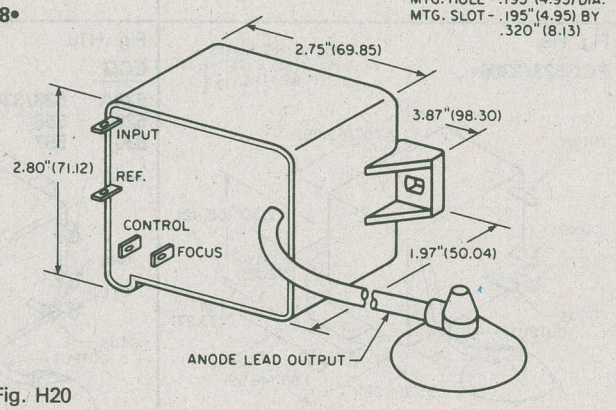
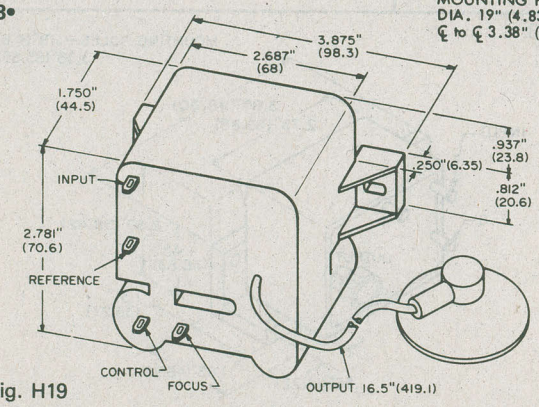


Fig. H19
ECG528•



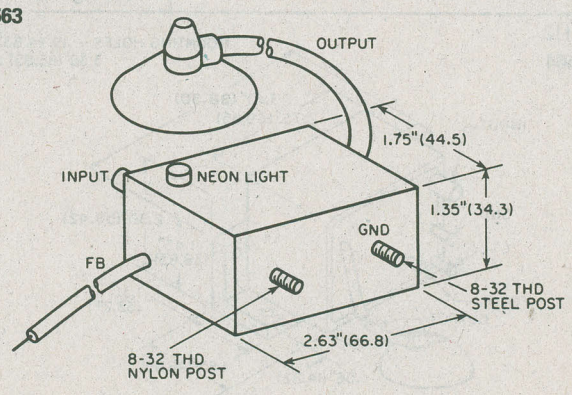
• Alt. Fig. H20

Fig. H20
ECG528•



• Alt. Fig. H19

Fig. H21
ECG563



HV Dividers/Focus Assemblies

ECG Type	Application and Description	Outline No.
HiDiv*-1	Resistive High Voltage Divider Assembly: 240 Megohms, tapped at 40 Megohms; Total Dissipation - 4 Watts; 35 KV max.	H22
HiDiv-2	Resistive High Voltage Divider Assembly: 300 Megohms, tapped at 50 Megohms; Total Dissipation - 4 Watts; 35 KV max.	H22
HiDiv-3	Resistive High Voltage Divider Assembly: 240 Megohms, tapped at 40 Megohms; Total Dissipation - 4 Watts; 35 KV max.	H23
HiDiv-4	Resistive High Voltage Divider Assembly: 300 Megohms, tapped at 50 Megohms; Total Dissipation - 4 Watts; 35 KV Max.	H24
HiDiv-12	Resistive High Voltage Divider Assembly: 300 Megohms, tapped at 50 Megohms; Total Dissipation - 4 Watts; 35 KV max.	H25

* Trademark of Philips ECG, Inc.

E

Fig. H22
HiDiv-1
HiDiv-2

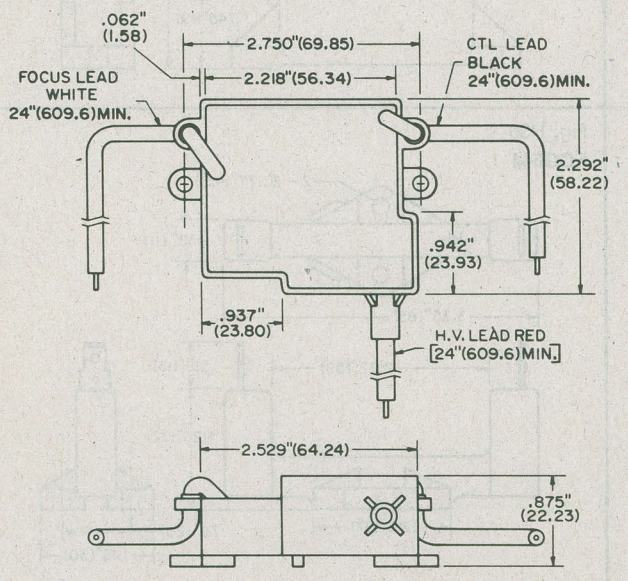


Fig. H23
HiDiv-3

Mounting Slots
.17" (4.32) Slot Width
.32" (8.13) Long, .42" (10.67) Long
.65" (16.51) ℄ to ℄
.80" (20.32) Width ℄ to ℄

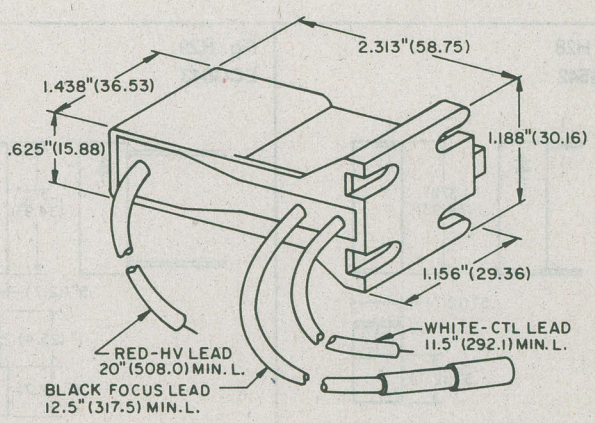


Fig. H24
HiDiv-4

MOUNTING HOLE
.17"(4.32) DIA.
MOUNTING SLOT
.18"(4.57) WIDE
.27"(6.86) LONG
1.30"(33.02) ℄ TO ℄

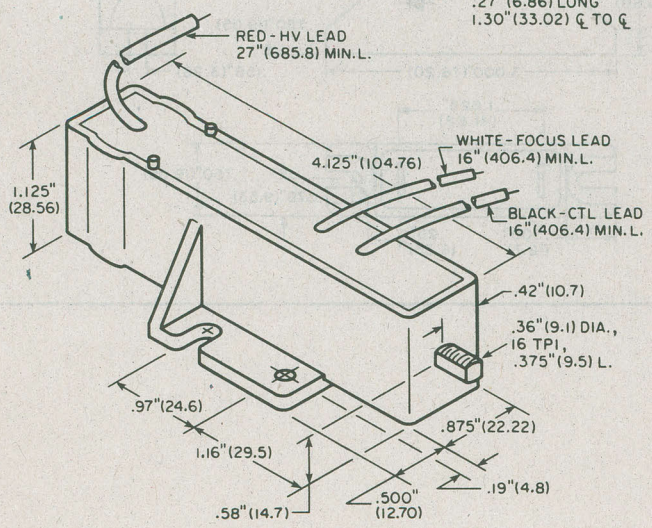
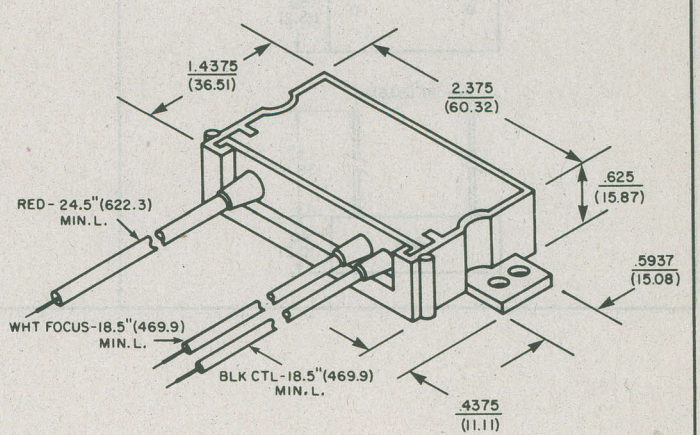


Fig. H25
HiDiv-12

MOUNTING HOLES
.19" (4.86) DIA
2.75" (69.85) ℄ TO ℄



HV Rectifiers (Silicon Industrial/Microwave Oven)

ECG Type	Minimum Breakdown Voltage V_B	Maximum Surge Current (Nonrep.) I_{FSM} A	Average Output Current I_O mA	Maximum Forward Voltage Dro- V_{FM} V	Maximum Reverse Leakage Current I_{RM} μA	Fig. No.
ECG540	12 kV at 100 μA	25	600 at TC 55°C	--	1.0 at 5 kV	H26
ECG541	10 kV at 1.0 mA	50	750 at TA 40°C	8.5 at 750 mA	10 at 5 kV	H27
ECG542	15 kV at 10 μA	50	350 at TA 50°C	13.5 at 350 mA	1.0 at 12 kV	H28
ECG543	15 kV at 10 μA	50	350 at TA 50°C	13.5 at 350 mA	1.0 at 12 kV	H29
ECG544	12 kV at 1.0 mA	25	500 at TA 40°C	12 at 500 mA	10 at 8 kV	H30
ECG547	12 kV	50	400 at TA 25°C	15 at 100 mA	1.0 at 9 kV	H33
ECG548	12 kV at 100 μA	250	750 at TC 50°C	14 at 750 mA	1.0 at 10 kV	H34

Fig. H26
ECG540

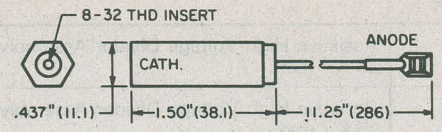


Fig. H27
ECG541

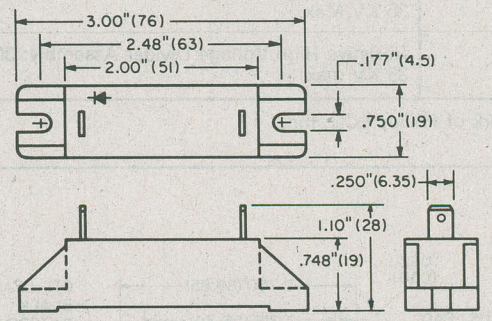
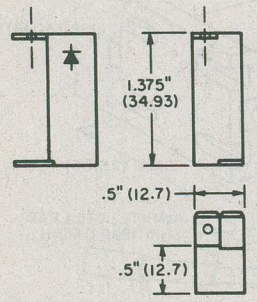


Fig. H28
ECG542



POS. TERMINAL HAS MOUNTING HOLE FOR NO.8 SCREW

Fig. H29
ECG543

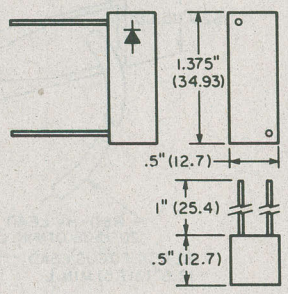


Fig. H30
ECG544

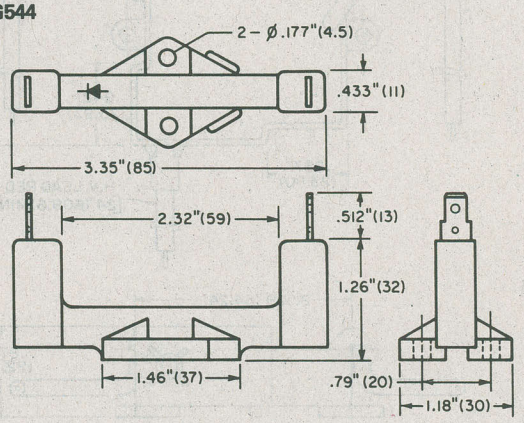


Fig. H33
ECG547

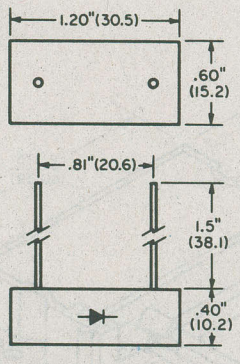
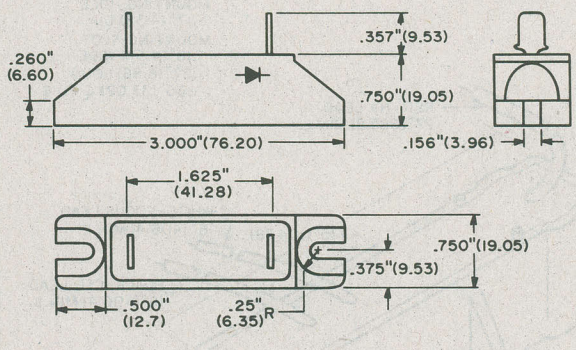


Fig. H34
ECG548



HV Rectifiers (Solid State Replacement for TV)

ECG Type	Application Replaces Following Tube Types:	Peak Reverse Volts	Peak Repetitive Forward Current (mA)	Average Forward Current I_F (mA)	Forward Voltage Drop V_F (V)	Fig. No.
ECG508/R-3A3	1AU3, 1B3, 1G3, 1J3, 1K3, 1N2, 2CN3, 3A3, 3AW3, 3B2, 3CA3, 3CN3, 3CU3, 3CV3, 3CZ3	45,000	110	5	50 at 5 mA	H35
ECG509/R-3AT2	3AT2, 3AW2, 3BL2, 3BM2, 3BN2	45,000	110	5	50 at 5 mA	H35
ECG510/R-3DB3	3CY3, 3DB3, 3DJ3	45,000	110	5	50 at 5 mA	H35
ECG511/R-2AV2	1AU2, 1V2, 2AV2	9,000	100	5	20 at 5 mA	H36
ECG512/R-6DW4	6BA3, 6BH3, 6BS3, 6CH3, 6CJ3, 6CK3, 6CL3, 6CM3, 6DW4	6,000	1300	250	10 at 350 mA	H37
ECG514/R-3DS3	3DR3, 3DS3	45,000	110	5	50 at 5 mA	H35

E

Fig. H35

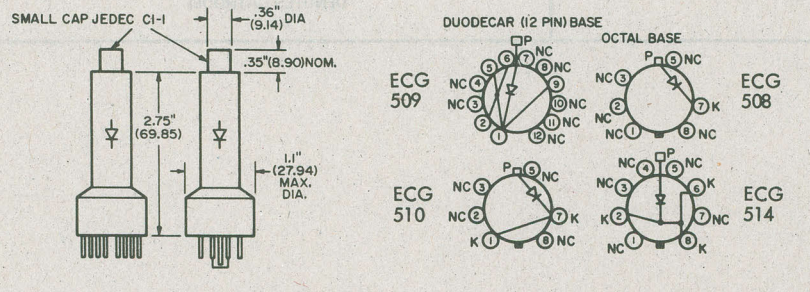


Fig. H36 **ECG511**

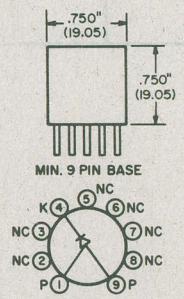
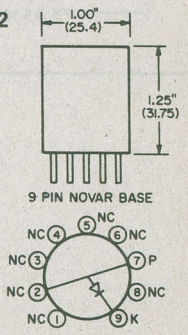


Fig. H37 **ECG512**





HV Rectifiers (Selenium)

ECG Type	Description and Application	Limit Conditions: PRV No-Load	Limit Conditions: Peak Input Pulse Volts	Operating Conditions: DC Output Volts	Operating Conditions: Peak Input Pulse Volts	Operating Conditions: Forward Current 50°C Max I_F (mA)	Operating Conditions: Forward Voltage Drop V_F (V_{DC})	Fig. No.
ECG118	TV HV Focus Rect	7,500	9,000	6,500	7,800	0.5	130 at 0.5 mA	H38
ECG119	TV HV Boost Rect	560	827	--	550	2.2	12 at 2.5 mA	H39
ECG502	TV HV Rect	12,400	14,500	11,000	13,200	0.5	220 at 2.5 mA	H40
ECG503	TV HV Rect	14,400	17,300	13,000	15,600	0.5	260 at 2.5 mA	H41
ECG504	TV HV Rect	19,500	23,400	18,000	21,600	0.5	360 at 3 mA	H42
ECG505	TV HV Rect	21,400	25,400	20,000	24,000	0.5	400 at 3 mA	H43

Fig. H38 **ECG118**

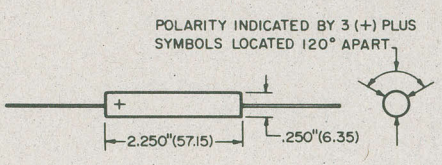


Fig. H39 **ECG119**

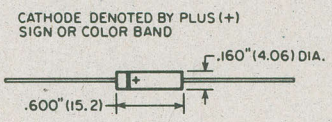


Fig. H40 **ECG502**

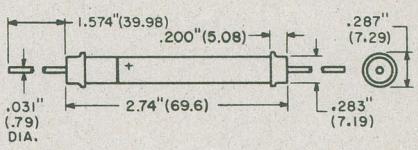


Fig. H41 **ECG503**

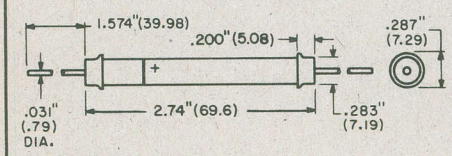


Fig. H42 **ECG504**

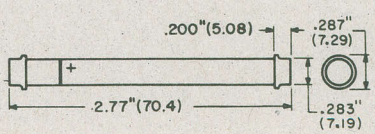
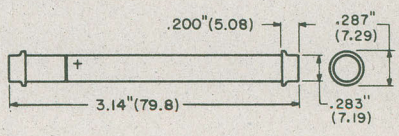


Fig. H43 **ECG505**



HV Rectifiers (Silicon)

ECG Type	Application	Peak Reverse Volts	Peak Repetitive Forward Current (mA)	Average Forward Current I_F (mA)	Forward Voltage Drop V_F	Fig. No.
ECG513	TV HV Rect	45,000	200	5	75 V at 50 mA	H44
ECG518	TV HV Rect	10,000	---	5	20 V at 5 mA	H45
ECG527A	TV HV Rect	35,000	100	2.2	60 V at 10 mA	H47

Fig. H44 **ECG513**

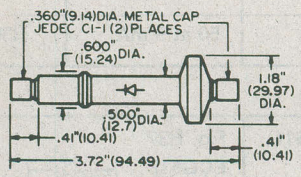
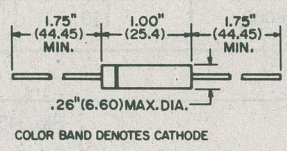
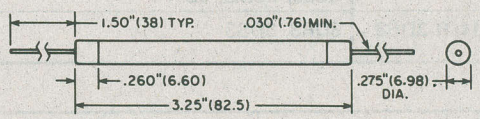


Fig. H45 **ECG518**



COLOR BAND DENOTES CATHODE

Fig. H47 **ECG527A**



(COLOR BAND
DENOTES CATHODE)

Diodes and Rectifiers (General Purpose)



ECG Type	Description		Peak Reverse Voltage PRV Max V	Average Rectified Forward Current I_O Max	Forward Current Repetitive Peak I_{FRM} Max	Reverse Recovery Time trr	Forward Voltage Drop Max V_F	AFC	Fast Sw	Gen Purp	Fast Recovery	Fig. No.
ECG109	Gen Purp	Ge	100	200 mA	---	---	---			●		Z2
ECG110A	Gen Purp	Ge	40	50 mA	150 mA	---	---			●		Z2
ECG110MP	Matched Diode Pair	Ge	30	15 mA at 60°C	---	---	---	●		●		Z2
ECG112	UHF Mixer (Schottky)	Si	5	25 mA	---	---	.5 at 60 mA					Z4
ECG113A	Common Cathode Dual Diode, Center Tap, TV Horiz	Si	100	1.5 A	---	---	0.95 V at 1 A	●		●		Z15
ECG114	Series Dual Diodes, TV Horiz	Se	20	min 1.1 mA	---	---	---	●		●		Z12
ECG115	Common Anode, Dual Diode, TV Horiz AFC	Se	20	min 1.1 mA	---	---	---	●		●		Z12
ECG116	Gen Purp Rect	Si	600	1 A	---	---	0.8 V at 1 A			●		Z3
ECG117A	Gen Purp Rect, Metal Case	Si	1000	1.5 A	---	---	0.9 V			●		Z10
ECG120	Color TV Convg Rect	Se	18	65 mA	---	---	---			●		Z17
ECG125	Gen Purp Rect	Si	1000	2.5 A at 25°C Lead Temp	---	---	0.8 V at 1 A			●		Z3
ECG156	Gen Purp Rect	Si	1000	3 A	---	---	1.1 V at 1.5 A			●		Z6
ECG173BP	TV Damper	Si	5000	600 mA	8 A	4 μs	4.4 V at 500 mA					Z16
ECG177	Fast Sw, Det, etc.	Si	200	160 mA	250 mA	50 ns	1.0 V at 100 mA		●			Z4
ECG178MP	Matched Diode Pair, AFC, AFT, etc.	Si	50	75 mA	100 mA	---	1.0 V at 5 mA	●				Z5
ECG506	Sw, Fast Recovery, Bst Damper, Blanking	Si	1400	2 A	3.5 A	500 ns	1.0 V at 1 A		●		●	Z6
ECG507	Gen Purp Rect, Gating, Centering	Si	50	250 mA	---	3 μs	1.0 V at 1 A			●		Z6
ECG515	Sw, Fast Recovery, SCR Defl Clamp	Si	800	3 A	9 A	1.3 μs	1.3 V at 4 A		●		●	Z8
ECG519	Fast Sw Diode	Si	100 (BRV)	200 mA	450 mA	4 ns	1.0 V at 10 mA		●			Z4
ECG525	Sw, Fast Recovery, Damper	Si	2000	1 A	---	500 ns (Fwd Rec)	2 V at 2 A		●		●	Z6
ECG551	Sw, Fast Recovery, Damper, Metal Case	Si	1500	1 A	---	1 μs	1.5 V at 2 A		●		●	Z9
ECG552	Gen Purp Rect, Fast Recovery	Si	600	1 A	---	200 ns	1.5 V at 250 mA		●	●	●	Z3
ECG558	Gen Purp Rect, Fast Recovery, HV	Si	1500	1 A	---	250 ns	1.2		●	●	●	Z6
ECG580	Gen Purp Rect, Fast Recovery	Si	600	3 A	Single Surge 100 A	250 ns	1.3 V at 3 A		●	●	●	Z1-A
ECG581	Gen Purp Rect, Fast Recovery	Si	400	8 A	Single Surge 150 A	200 ns	1.2 V at 3 A		●	●	●	Z41A
ECG582	TV Damper	Si	6000	300 mA	Single Surge 100 A	300 ns	8.0 V at 100 mA				●	Z17A
ECG583	Detector, Mixer, (Schottky) Hot Carrier Modulator	Si	70	15 mA	---	1 ps	.41 V at 1 mA	●	●	●	●	Z4
ECG584	Detector, Mixer, (Schottky) Hot Carrier Modulator	Si	20	35 mA	---	1 ps	.41 V at 1 mA	●	●	●	●	Z4

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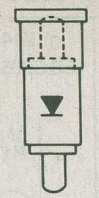
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Diodes and Rectifiers (General Purpose) (cont'd)

ECG Type	Description		Peak Reverse Voltage PRV Max V	Average Rectified Forward Current I_O Max	Forward Current Repetitive Peak I_{FRM} Max	Reverse Recovery Time trr	Forward Voltage Drop Max V_F	AFC	Fast Sw	Gen Purp	Fast Recovery	Fig. No.
ECG585	Schottky Barrier Rect	Si	40	1 A	25 A	---	.6 V at 1 A		●		●	Z3
ECG586	Schottky Barrier Rect	Si	40	3 A	80 A	---	.525 V at 3 A		●		●	Z6A
ECG587	Sw, Ultra Fast Recovery	Si	200	1 A	30 A	35 ns	.95 V at 1 A		●	●	●	Z3
ECG588	Sw, Ultra Fast Recovery	Si	200	3 A	125 A	35 ns	.95 V at 3 A		●	●	●	Z6A
ECG590	Common Cathode Dual Diode, Hi Speed Sw	Si	75	200 mA 100 mA /Leg	300 mA	4 ns	1.2 V at 100 mA		●			Z67
ECG591	Common Anode Dual Diode, Hi Speed Sw	Si	75	200 mA 100 mA /Leg	300 mA	4 ns	1.2 V at 100 mA		●			Z67
ECG592	Gen Purp, Sw	Si	200	200 mA	625 mA	50 ns	1 V at 200 mA		●	●		Z69
ECG593	Hi Speed Sw, Det	Si	75	250 mA	250 mA	6 ns	1 V at 250 mA		●		●	Z69
ECG594	Band Sw, $r_D = .7\ \Omega$ at 200 MHz	Si	35	100 mA	---	---	1.2 V at 100 mA					Z69
ECG595	Common Cathode Dual Diode, Hi Speed Sw, Gen Purp	Si	70	500 mA 250 mA /Leg	250 mA	6 ns	1 V at 250 mA	●	●	●	●	Z69
ECG596	Common Anode Dual Diode, Hi Speed Sw, Gen Purp	Si	70	500 mA 250 mA /Leg	250 mA	6 ns	1 V at 250 mA	●	●	●	●	Z69

Microwave Mixer Diodes

Type No.	Test Freq. (MHz)	Noise Figure (dB)	I.F. IMPED. @ 30 MHz (Ohms)	VSWR Max. Ratio	Burn Out (ERGS)	Fig. No.
1N415C	9375	9.5	325-475	1.5	2.0	Z64
1N415E	9375	7.5	335-465	1.3	2.0	Z64
1N416C	3060	8.3	300-700	---	2.0	Z64
1N416E	3060	7.0	350-450	1.3	5.0	Z64



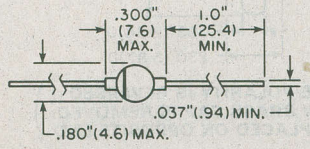
PIN Diodes

ECG Type	Description and Application	Max. Power (mW)	V (BR) R Min. (Volts)	IR Max. (nA)	CT Max. (pf)	LS Typ. (nH)	RA Max. (Ohms)	Fig. No.
ECG553	Si PIN Diode, UHF, VHF Switch	200	30	150	2	2.5	1.2	Z4
ECG555	Si PIN Diode, Gen Purp & VHF Switch	400	35	100	1	3.0	0.7	Z11

F

Diode and Rectifier Outlines

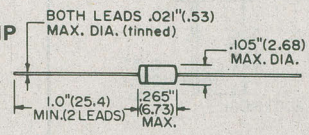
Fig. Z1A **ECG580**



COLOR BAND INDICATES CATHODE END

Fig. Z2 **DO-7**

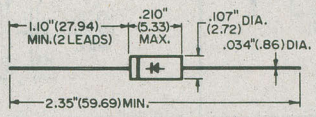
ECG
109
110MP



(COLOR BAND DENOTES CATHODE)

Fig. Z3 **ECG** **DO-41**

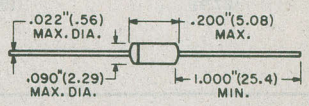
116 552 587
125 585



COLOR BAND DENOTES CATHODE

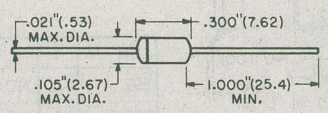
Fig. Z4 **ECG** **DO-35**

112 553 600
177 583 616
519 584



COLOR BAND DENOTES CATHODE

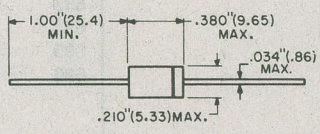
Fig. Z5
ECG178MP



(COLOR BAND DENOTES CATHODE)

Fig. Z6
ECG

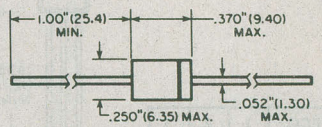
156 525
506 558
507



COLOR BAND DENOTES CATHODE

Fig. Z6A **DO-27**
ECG

586
588



COLOR BAND DENOTES CATHODE

Fig. Z7
ECG

606
607

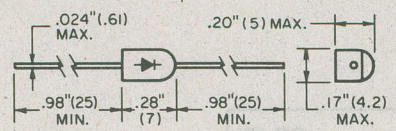


Fig. Z8
ECG515

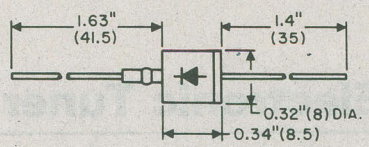


Fig. Z9
ECG551

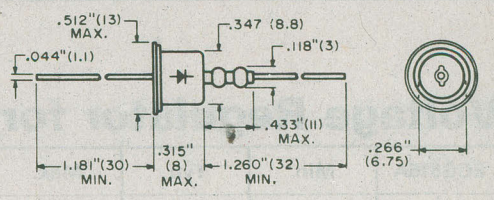


Fig. Z10
ECG117A

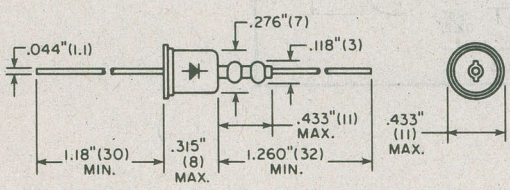


Fig. Z11
ECG555

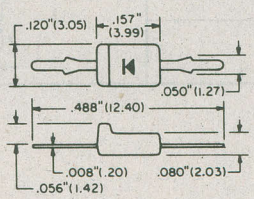
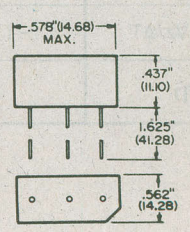


Fig. Z12

ECG114
SERIES CONNECTED

ECG115
COMMON ANODE



Diode and Rectifier Outlines (cont'd)

Fig. Z13
ECG
610
611
612
613
614

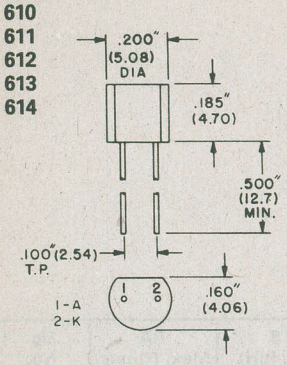
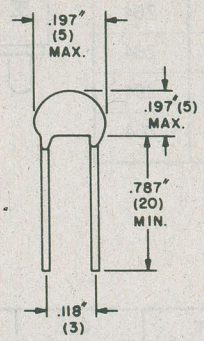


Fig. Z14
ECG605



COLOR END DENOTES CATHODE

Fig. Z15
ECG113A

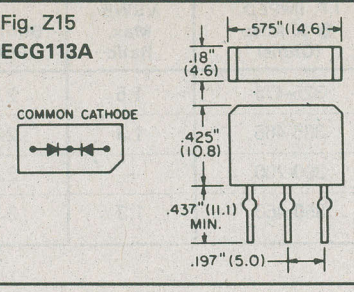
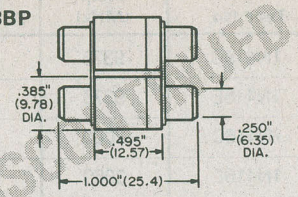


Fig. Z16
ECG173BP



COLOR BAND DENOTES CATHODE

DISCONTINUED

Fig. Z17
ECG120

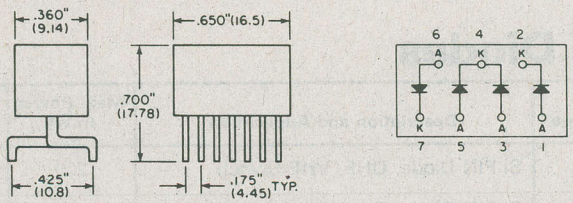


Fig. Z17A
ECG582

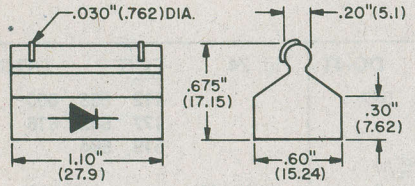


Fig. Z41A
ECG581
TO-220
2 Lead

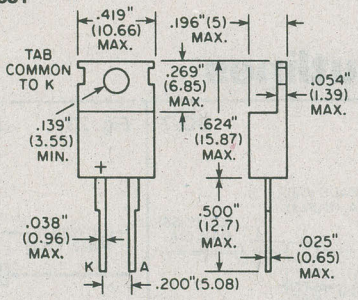
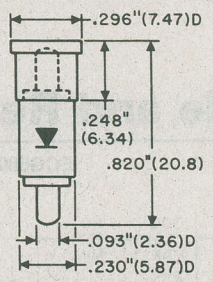
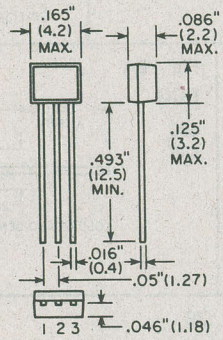


Fig. Z64
1N415C
1N415E
1N416C
1N416E



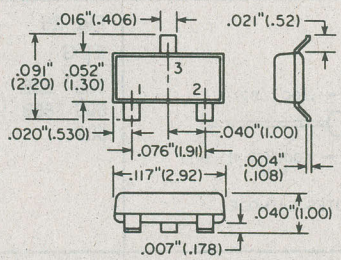
DIODE POLARITY IS REVERSED WHEN BRASS CAP IS REMOVED AND PLACED ON OPPOSITE END

Fig. Z67
ECG
590
591
SP-92



ECG	1	2	3
590	A	K	A
591	K	A	K

Fig. Z69
ECG
592
593
594
595
596
SOT-23

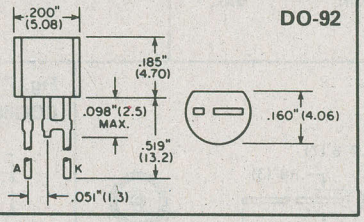


ECG	1	2	3
592	A	NC	K
593	A	NC	K
594	A	NC	K
595	A	A	K
596	K	K	A

Voltage Regulator for Electronic Tuner

ECG615A	Min.	Typ.	Max.	$T_A = 25°C$
Vz	31	33	35	V
$\Delta Vz/\Delta T$	−1	0	+1	mV/°C
P_D	200 mW ($T_A = 75°C$)			

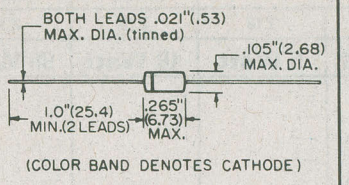
Fig. Z13-2
ECG615A
DO-92



Varistors (Temperature Compensating Diodes)

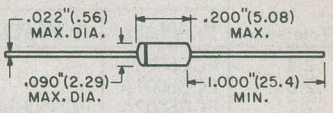
ECG Type	Description	Forward Current I_F mA	Forward Voltage V_F Min. Volts	Forward Voltage V_F Max. Volts	Change Per °C in mV	Fig. No.
ECG600	Silicon	10	0.63 at 3 mA	0.69 at 3 mA	2	Z4
ECG601	Silicon	20	0.56 at 1.5 mA	0.61 at 1.5 mA	1.5	Z4
ECG605A	Silicon	100	1.26 at 3 mA	1.36 at 3 mA	4.6	Z2

Fig. Z2 ECG605A



(COLOR BAND DENOTES CATHODE)

Fig. Z4 DO-35 ECG600 ECG601

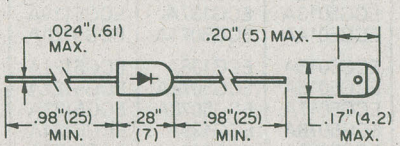


COLOR BAND DENOTES CATHODE

Varistors (Voltage Compensating Diodes)

ECG Type	Forward Characteristics	Maximum Forward DC Current	Maximum Surge Current for 10 msec	Reverse Characteristics
ECG606	1.8 V ± 0.2 V at 1 mA 2.3 V ± 0.25 V at 70 mA	150 mA	27 A	10 μA Max at 100 V
ECG607	2.35 V ± 0.25 V at 1 mA 3.0 V ± 0.3 V at 70 mA	100 mA	25 A	10 μA Max at 100 V

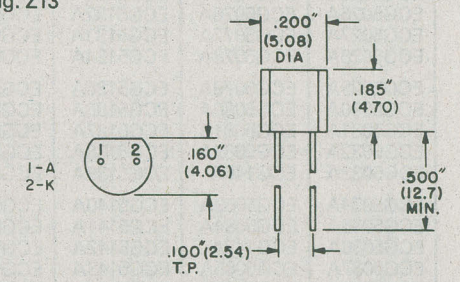
Fig. Z7 ECG 606 607



Varactors (Variable Capacitance Diodes)

ECG Type	Cap. at 4 Volts pF	Cap. Ratio C2/C30	Reverse Voltage V_R Volts Max.	Forward Current I_F mA Max.	Device Diss. P_D mW Max.
ECG610	6.8	2.7	30	200	280
ECG611	10.0	2.9	30	200	280
ECG612	12.0	2.9	30	200	280
ECG613	22.0	2.9	30	200	280
ECG614	33.0	3.2	30	200	280

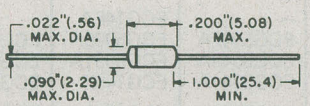
Fig. Z13 ECG 610 611 612 613 614



Matched Varactors (Variable Capacitance Diodes) (Matched Set of Four)

ECG Type	Matched Cap. at 3 Volts pF	Cap. Ratio C3/C25	Reverse Voltage V_R Volts Max.	Max. Osc. Freq. at 3 V GHz	Series Inductance L_S (nH)	Series Resistance R_S Max. Ohms
ECG616	11	5.5	30	24	2.5	0.8

Fig. Z4 ECG616



COLOR BAND DENOTES CATHODE

Varactors (Radio Tuning Diodes)

ECG Type	Application Band	Cap. I_n pF	Cap. I_n pF	Cap. Ratio	Reverse Voltage V_R Max Volts	Q Min. @ 100 MHz	Fig. No.
ECG617	FM Tuning	39 at 3 V	15 at 30 V	2.6	32	100 at 3 V	Z13-1
ECG618	AM Tuning	440 at 1.2 V	22 at 8 V	15.5	12	200 at 1 V	Z13-2

Fig. Z13-1 ECG617

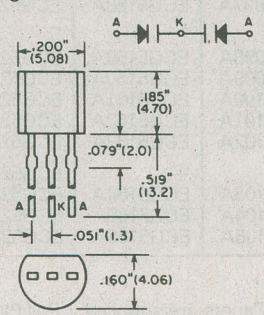
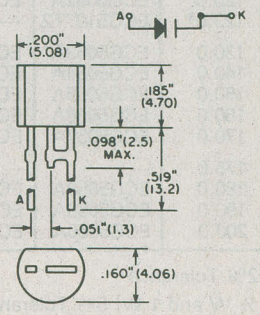


Fig. Z13-2 ECG618



Zener Diodes

Note: 10 watt and 50 watt Zeners listed have anode connected to stud. Add suffix letter "K" to the ECG number for cathode connected to stud. The ECG type numbers shown have a standard tolerance for the Zener voltage of +5%.

Voltage (See Note for Tolerance)	Axial Lead			Stud Mount	
				DO-4	DO-5
	Fig. No. Z3A		Z18	Z19	Z20
	½ Watt†	1 Watt†	5 Watt	10 Watt	50 Watt
2.4	ECG5000A	---	---	---	---
2.5	ECG5001A	---	---	---	---
2.7	ECG5002A	ECG5063A	---	---	---
2.8	ECG5003A	---	---	---	---
3.0	ECG5004A	ECG5065A	---	---	---
3.3	ECG5005A	ECG5066A	ECG5111A	ECG5172A	---
3.6	ECG5006A	ECG134A	ECG5112A	ECG5173A	---
3.9	ECG5007A	ECG5067A	ECG5113A	ECG5174A	ECG5240A
4.3	ECG5008A	ECG5068A	ECG5114A	ECG5175A	ECG5241A
4.7	ECG5009A	ECG5069A	ECG5115A	ECG5176A	ECG5242A
5.1	ECG5010A	ECG135A	ECG5116A	ECG5177A	ECG5243A
5.6	ECG5011A	ECG136A	ECG5117A	ECG5178A	ECG5244A
6.0	ECG5012A	ECG5070A	ECG5118A	ECG5179A	ECG5245A
6.2	ECG5013A	ECG137A	ECG5119A	ECG5180A	ECG5246A
6.8	ECG5014A	ECG5071A	ECG5120A	ECG5181A	ECG5247A
7.5	ECG5015A	ECG138A	ECG5121A	ECG5182A	ECG5248A
8.2	ECG5016A	ECG5072A	ECG5122A	ECG5183A	ECG5249A
8.7	ECG5017A	ECG5073A	ECG5123A	ECG5184A	ECG5250A
9.1	ECG5018A	ECG139A	ECG5124A	ECG5185A	ECG5251A
10.0	ECG5019A	ECG140A	ECG5125A	ECG5186A	ECG5252A
11.0	ECG5020A	ECG5074A	ECG5126A	ECG5187A	ECG5253A
11.5	---	ECG141A	---	---	---
12.0	ECG5021A	ECG142A	ECG5127A	ECG5188A	ECG5254A
13.0	ECG5022A	ECG143A	ECG5128A	ECG5189A	ECG5255A
14.0	ECG5023A	ECG144A	ECG5129A	ECG5190A	ECG5256A
15.0	ECG5024A	ECG145A	ECG5130A	ECG5191A	ECG5257A
16.0	ECG5025A	ECG5075A	ECG5131A	ECG5192A	ECG5258A
17.0	ECG5026A	ECG5076A	ECG5132A	ECG5193A	ECG5259A
18.0	ECG5027A	ECG5077A	ECG5133A	ECG5194A	ECG5260A
19.0	ECG5028A	ECG5078A	ECG5134A	ECG5195A	ECG5261A
20.0	ECG5029A	ECG5079A	ECG5135A	ECG5196A	ECG5262A
22.0	ECG5030A	ECG5080A	ECG5136A	ECG5197A	ECG5263A
24.0	ECG5031A	ECG5081A	ECG5137A	ECG5198A	ECG5264A
25.0	ECG5032A	ECG5082A	ECG5138A	ECG5199A	ECG5265A
27.0	ECG5033A	ECG146A	ECG5139A	ECG5200A	ECG5266A
28.0	ECG5034A	ECG5083A	ECG5140A	ECG5201A	ECG5267A
30.0	ECG5035A	ECG5084A	ECG5141A	ECG5202A	ECG5268A
33.0	ECG5036A	ECG147A	ECG5142A	ECG5203A	ECG5269A
36.0	ECG5037A	ECG5085A	ECG5143A	ECG5204A	ECG5270A
39.0	ECG5038A	ECG5086A	ECG5144A	ECG5205A	ECG5271A
43.0	ECG5039A	ECG5087A	ECG5145A	ECG5206A	ECG5272A
45.0	---	---	---	ECG5207A	ECG5273A
47.0	ECG5040A	ECG5088A	ECG5146A	ECG5208A	ECG5274A
50.0	---	---	---	ECG5209A	ECG5275A
51.0	ECG5041A	ECG5089A	ECG5147A	ECG5210A	ECG5276A
52.0	---	---	---	ECG5211A	ECG5277A
55.0	---	ECG148A	---	---	---
56.0	ECG5042A	ECG5090A	ECG5148A	ECG5212A	ECG5278A
60.0	ECG5043A	ECG5091A	ECG5149A	ECG5213A	ECG5279A
62.0	ECG5044A	ECG149A	ECG5150A	ECG5214A	ECG5280A
68.0	ECG5045A	ECG5092A	ECG5151A	ECG5215A	ECG5281A
75.0	ECG5046A	ECG5093A	ECG5152A	ECG5216A	ECG5282A
82.0	ECG5047A	ECG150A	ECG5153A	ECG5217A	ECG5283A
87.0	ECG5048A	ECG5094A	ECG5154A	ECG5218A	---
91.0	ECG5049A	ECG5095A	ECG5155A	ECG5219A	ECG5284A
100.0	ECG5050A	ECG5096A	ECG5156A	ECG5220A	ECG5285A
105.0	---	---	---	ECG5221A	ECG5286A
110.0	ECG5051A	ECG151A	ECG5157A	ECG5222A	ECG5287A
120.0	ECG5052A	ECG5097A	ECG5158A	ECG5223A	ECG5288A
123.0*	ECG5107T2	---	---	---	---
130.0	ECG5053A	ECG5098A	ECG5159A	ECG5224A	ECG5289A
140.0	ECG5054A	ECG5099A	ECG5160A	ECG5225A	ECG5290A
150.0	ECG5055A	ECG5100A	ECG5161A	ECG5226A	ECG5291A
160.0	ECG5056A	ECG5101A	ECG5162A	ECG5227A	ECG5292A
170.0	ECG5057A	ECG5102A	ECG5163A	ECG5228A	---
175.0	---	---	---	ECG5229A	ECG5293A
180.0	ECG5058A	ECG5103A	ECG5164A	ECG5230A	ECG5294A
190.0	ECG5059A	ECG5104A	ECG5165A	ECG5231A	ECG5295A
200.0	ECG5060A	ECG5105A	ECG5166A	ECG5232A	ECG5296A

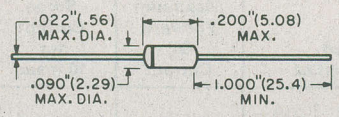
* 2% Tolerance

† ½ W and 1 W, 5% Tolerance Zeners are supplied 2 Per Pkg.

1% Tolerance - ½ Watt

ECG Type	Nominal Zener Voltage @ T_A=25°C V_Z @ I_{ZT}=20 mA*
ECG5010T1	5.1
ECG5011T1	5.6
ECG5013T1	6.2
ECG5019T1	10
ECG5021T1	12

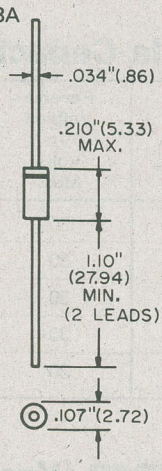
Fig. Z4



COLOR BAND DENOTES CATHODE

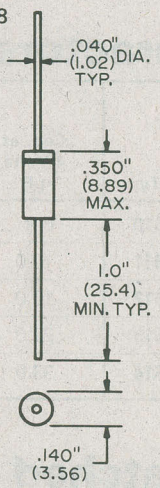
* I_{ZT} = Test Current

Fig. Z3A



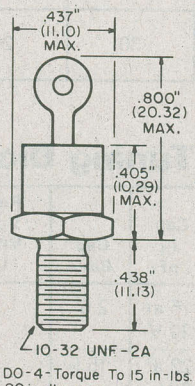
COLOR BAND DENOTES CATHODE

Fig. Z18



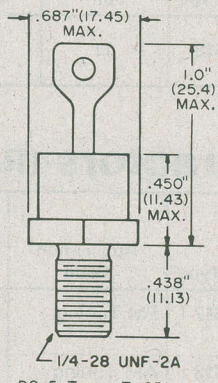
COLOR BAND DENOTES CATHODE

Fig. Z19



DO-4-Torque To 15 in-lbs. min; 20 in-lbs. max.

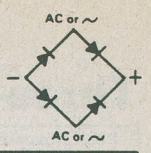
Fig. Z20



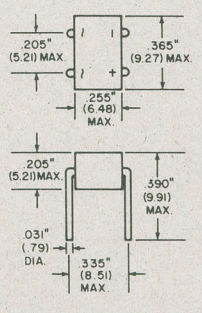
DO-5-Torque To 25 in-lbs. min; 30 in-lbs. max.

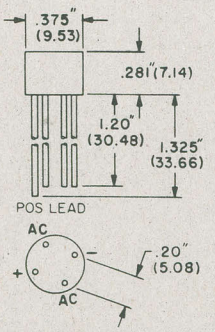
Bridge Rectifiers (Silicon)

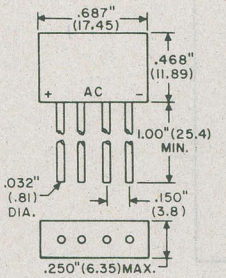
Single-Phase

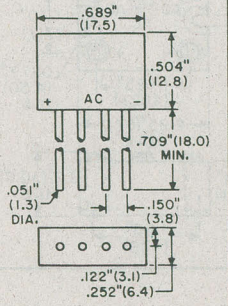


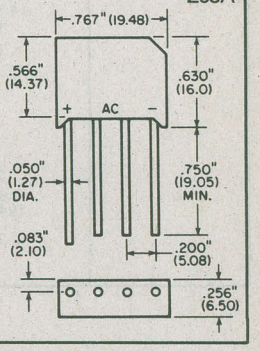
Peak Reverse Voltage (PRV Volts)	I_O, Average Rectified Forward Current (Amps)				
	1 A	1.5 A	2 A	4 A	
100			ECG166		
200			ECG167	ECG5309	ECG5318
400		ECG5304	ECG168		
600	ECG5332	ECG5305	ECG169	ECG5310	ECG5319
800		ECG5306			
1000	ECG5334	ECG5307	ECG170	ECG5311	ECG5320
Peak Forward Surge Current (Amps)	50	50	60	250	200
Max. Forward Voltage Per. Element V_F (Volts)	1.0	1.0	1.0	1.0	1.0
T_A at Rated I_O (°C) Max	+40	+25	+25	+40	+50
Fig. No.	Z21	Z22	Z23	Z23-1	Z68A



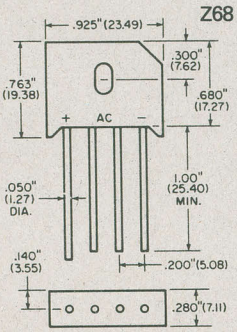


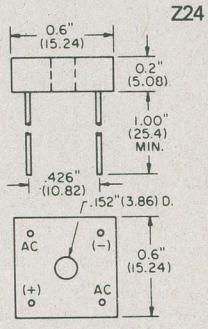


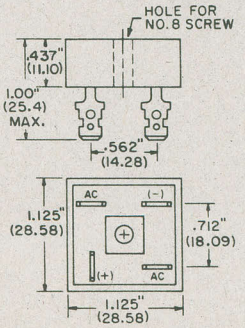


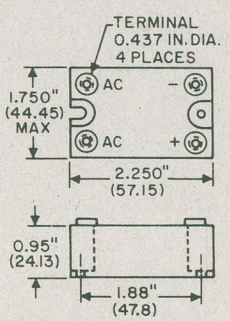


Peak Reverse Voltage (PRV Volts)	I_O, Average Rectified Forward Current (Amps)					
	6 A	8 A	25 A	40 A	80 A	100 A
100		ECG5312				
200	ECG5329	ECG5313	ECG5322	ECG5340		
400		ECG5314	ECG5324			
600	ECG5330	ECG5315	ECG5326	ECG5342	ECG5346	ECG5348
800		ECG5316	ECG5327			
1000		ECG5317	ECG5328	ECG5344		
Peak Forward Surge Current (Amps)	200	125	300	400	800	1000
Max. Forward Voltage Per. Element V_F (Volts)	1.0	1.2	1.2	1.1	1.6	1.4
T_A at Rated I_O (°C) Max	+40	+50	+60	+60	+85	+80
Fig. No.	Z68	Z24	Z25		Z65	

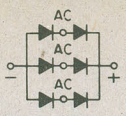




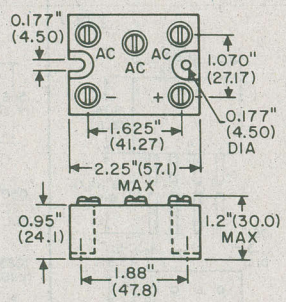




Three-Phase



Peak Reverse Voltage (PRV Volts)	I_O, Average Rectified Forward Current (Amps)	
	60 A	**100 A**
200		
400		
600	ECG5335	ECG5338
800		
1000		
Peak Forward Surge Current (Amps)	500	800
Max. Forward Voltage Per. Element V_F (Volts)	1.25	1.25
T_C at Rated I_O (°C) Max.	+70	+100
Fig. No.	Z66	

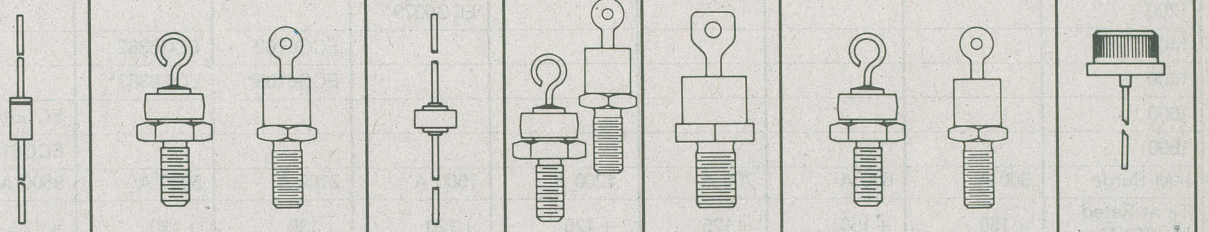


Industrial Rectifiers

Note: Standard polarity is cathode to case.
* Indicates polarity is anode to case.



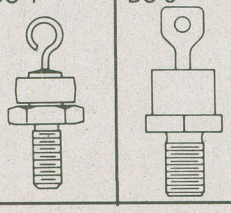
Peak Reverse Voltage (PRV Volts)	I_O, Average Rectified Forward Current (Amps)								
	3 A		6 A	6 A/22 A	12 A	15 A	16 A	20 A	25 A
50	ECG5800	ECG5830	ECG5850		ECG5870	ECG5940	ECG5892	ECG5912	
50		ECG5831*	ECG5851*		ECG5871*	ECG5941*	ECG5893*	ECG5913*	
100	ECG5801			ECG5812					
200	ECG5802	ECG5834	ECG5854		ECG5874	ECG5944	ECG5896	ECG5916	
200		ECG5835*	ECG5855*		ECG5875*	ECG5945*	ECG5897*	ECG5917*	
400	ECG5804	ECG5838	ECG5858	ECG5814	ECG5878	ECG5948	ECG5900	ECG5920	ECG5962
400		ECG5839*	ECG5859*		ECG5879*	ECG5949*	ECG5901*	ECG5921*	ECG5963*
600	ECG5806	ECG5842	ECG5862	ECG5815	ECG5882	ECG5952	ECG5904	ECG5924	
600		ECG5843*	ECG5863*		ECG5883*	ECG5953*	ECG5905*	ECG5925*	
800	ECG5808	ECG5846	ECG5866		ECG5886		ECG5908	ECG5928	ECG5966
800		ECG5847*	ECG5867*		ECG5887*		ECG5909*	ECG5929*	ECG5967*
1000	ECG5809	ECG5848	ECG5868	ECG5817	ECG5890		ECG5910	ECG5932	
1000		ECG5849*	ECG5869*		ECG5891*		ECG5911*	ECG5933*	
I_{FM} Surge	150 A	40 A	150 A	400 A	250 A	250 A	300 A	400 A	300 A
T_C at Rated I_O (°C) Max	+105 (T_L)	+150	+150	See # Note	+150	+150	+150	+150	+100
V_F at Rated I_O	.9 V Typ 1.0 V Max	.9 V Typ 1.1 V Max	.9 V Typ 1.1 V Max	.8 V Typ .9 V Max	.9 V Typ 1.1 V Max	.9 V Typ 1.1 V Max	.9 V Typ 1.1 V Max	.9 V Typ 1.1 V Max	.9 V Typ 1.1 V Max
Fig. No.	Z18A	Z19		Z26	Z19	Z20	Z19		Z27
Package	Axial	DO-4		Axial	DO-4	DO-5	DO-4		Press Fit



I_O=6 A with PC Board Mtg., T_A=60°C; I_O=22 A, 1/8" Leads, T_L=60°C

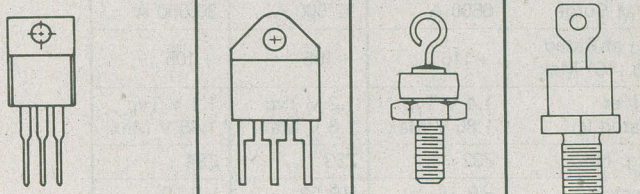
Fast Recovery

Reverse Recovery Time, T_{rr}=200 N_S Max		
Peak Reverse Voltage (PRV Volts)	I_O (Amps)	
	12 A	40 A
200	ECG5818	ECG6006
200	ECG5819*	ECG6007*
400	ECG5820	ECG6008
400	ECG5821*	ECG6009*
600	ECG5822	ECG6010
600	ECG5823*	ECG6011*
I_{FM} Surge	200 A	350 A
T_C at Rated I_O (°C) Max	+100	+100
V_F at Rated I_O	.9 V Typ 1.1 V Max	1.0 V Typ 1.4 V Max
Fig. N.	Z19	Z20
Package	DO-4	DO-5



Schottky Barrier Rectifiers

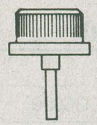
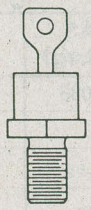
Peak Reverse Voltage (PRV Volts)	I_O, Average Rectified Forward Current (Amps)				
	12 A* (6 A/Leg)	30 A* (15 A/Leg)		35 A	60 A
40	ECG6085	---	---	---	---
45	---	ECG6087	ECG6090	ECG6084	ECG6094
I_{FM} Surge (A)	140/Leg	150/Leg	200/Leg	600	800
T_C @ Rated I_o (°C) Max	+120	+130	+105	95	95
Forward Voltage Drop @ Rated I_O, V_F (V)	.65/Leg	.73/Leg	.72/Leg	.60	.65
Fig. No.	Z41B		Z41C	Z19	Z20
Package	TO-220		TO-3P(TO-218)	DO-4	DO-5
Available in Cathode to Case Only					

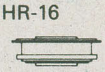
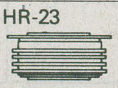


* Dual Rectifiers

Industrial Rectifiers (cont'd)

Note: Standard polarity is cathode to case.
* Indicates polarity is anode to case.

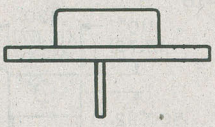
Peak Reverse Voltage (PRV Volts)	I_O, Average Rectified Forward Current (Amps)								
	40 A	**50 A**	**60 A**	**70 A**	**85 A**	**150 A**	**300 A**	**450 A**	**550 A**
50	ECG5980		ECG6020	ECG6048					
50	ECG5981*		ECG6021*	ECG6049*					
100	ECG5982		ECG6022	ECG6050					
100	ECG5983*		ECG6023*	ECG6051*					
200	ECG5986		ECG6026	ECG6054	ECG6074				
200	ECG5987*		ECG6027*	ECG6055*	ECG6075*				
300	ECG5988								
300	ECG5989*								
400	ECG5990	ECG5826	ECG6034	ECG6060		ECG6154	ECG6354		
400	ECG5991*	ECG5827*	ECG6035*	ECG6061*		ECG6155*	ECG6355*		
500	ECG5992								
500	ECG5993*								
600	ECG5994		ECG6040	ECG6064	ECG6076	ECG6156	ECG6356		ECG6102
600	ECG5995*		ECG6041*	ECG6065*	ECG6077*	ECG6157*	ECG6357*		ECG6103*
800	ECG5998	ECG5828	ECG6042	ECG6068					
800	ECG5999*	ECG5829*	ECG6043*	ECG6069*					
1000	ECG6002		ECG6044	ECG6072		ECG6158	ECG6358		
1000	ECG6003*		ECG6045*	ECG6073*		ECG6159*	ECG6359*		
1200					ECG6078				ECG6104
1200					ECG6079*				ECG6105*
1400						ECG6162	ECG6362		
1400						ECG6163*	ECG6363*		
1600								ECG6106	
1600								ECG6107*	
I_{FM} Surge	500 A	600 A	700 A	1200 A	1500 A	2100 A	5000 A	8500 A	10,000 A
T_C at Rated I_O (°C) Max	+150	+150	+125	+125	+120	+130	+130	+120	+125
V_F at Rated I_O	1.0 V Typ 1.2 V Max	.9 V Typ 1.0 V Max	1.0 V Typ 1.2 V Max	1.0 V Typ 1.2 V Max	1.0 V Typ 1.1 V Max	1.0 V Typ 1.1 V Max	1.0 V Typ 1.2 V Max	1.1 V Typ 1.45 V Max	1.0 V Typ 1.1 V Max
Fig. No.	Z20	Z28	Z20			Z29	Z30	Z31	
Package	DO-5 	Press Fit 	DO-5 			DO-8 	DO-9 	SR-75 	

Peak Reverse Voltage (PRV Volts)	I_O, Average Rectified Forward Current (Amps)		
	500 A	**1200 A**	**2200 A**
600	ECG6110	ECG6113	ECG6116
1200	ECG6112	ECG6115	ECG6118
I_{FM} Surge	6500 A	12,500 A	30,000 A
T_C at Rated I_O (°C) Max	+110	+105	+105
V_F at Rated I_O	1.4 V Typ 1.85 V Max	1.2 V Typ 1.6 V Max	1.1 V Typ 1.45 V Max
Fig. No.	Z32	Z33	Z34
Package	HR-16 	HR-23 	HR-29 

Full Wave Rectifiers

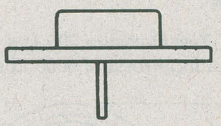
Standard Recovery

Peak Reverse Voltage (PRV Volts)	I_O, Average Rectified Forward Current (Amps) 30 A (15 A/Leg)
200	ECG6200
400	ECG6202
600	ECG6204
I_{FM} Surge (Per Diode)	250A
T_C @ Rated I_O Max (°C)	+100
Forward Voltage Drop @ Rated I_O, V_F (Volts) (Per Diode)	1 Typ 1.2 Max
Fig. No.	Z43
Package	TO-3 Case/Cathode



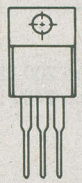
Fast Recovery

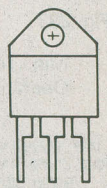
Reverse Recovery Time, Trr = 200 ns Max	
Peak Reverse Voltage (PRV Volts)	I_O, Average Rectified Forward Current (Amps) 30 A (15 A/Leg)
200	ECG6206
400	ECG6208
600	ECG6210
I_{FM} Surge (Per Diode)	150A
T_C @ Rated I_O Max (°C)	+100
Forward Voltage Drop @ Rated I_O, V_F (Volts) (Per Diode)	1 Typ 1.4 Max
Fig. No.	Z43
Package	TO-3 Case/Cathode



Ultra Fast Recovery

Reverse Recovery Time, Trr = 35 ns Max			
Peak Reverse Voltage (PRV Volts)	I_O, Average Rectified Forward Current (Amps) 16 A (8 A/Leg)		30 A (15 A/Leg)
200	ECG6240	ECG6244	ECG6246
400	--	--	--
600	--	--	--
I_{FM} Surge (Per Diode)	100	200	200
T_C @ Rated I_O Max (°C)	+150	+100	+150
Forward Voltage Drop @ Rated I_O, V_F (Volts) (Per Diode)	.90	.95	.85
Fig. No.	Z41B		Z41C
Package	TO-220		TO-3P (TO-218)





F

Industrial Rectifier Outlines

Fig. Z18A **Axial**

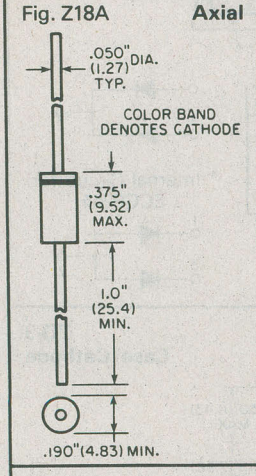


Fig. Z19 **DO-4**

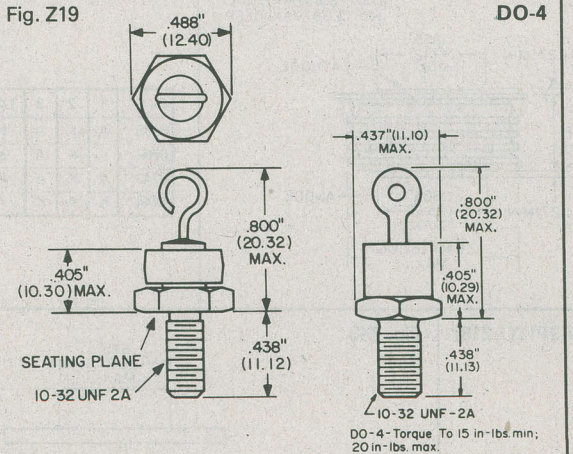


Fig. Z20 **DO-5**

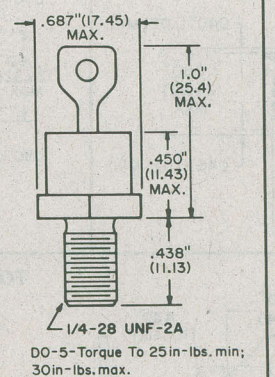
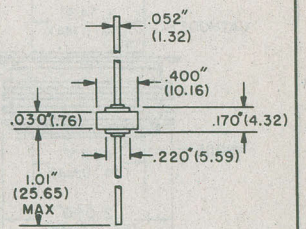
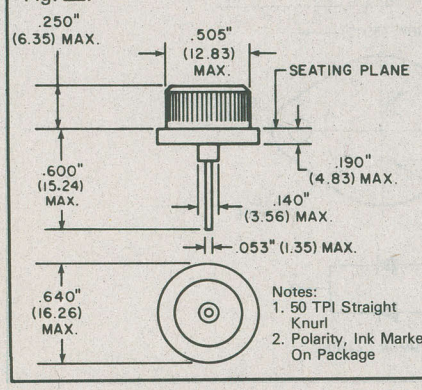


Fig. Z26 **Axial**



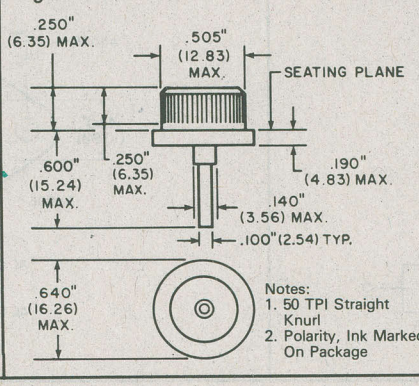
Note: I_O = 6A with PC Board Mtg., T_A = 60°C; I_O = 22A, 1/8" Leads, T_L = 60°C

Fig. Z27 **Press Fit**



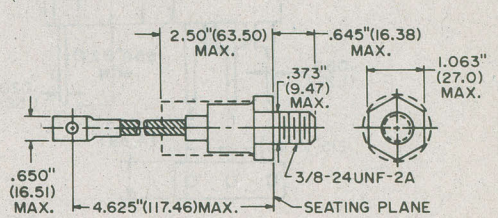
Notes:
1. 50 TPI Straight Knurl
2. Polarity, Ink Marked On Package

Fig. Z28 **Press Fit**



Notes:
1. 50 TPI Straight Knurl
2. Polarity, Ink Marked On Package

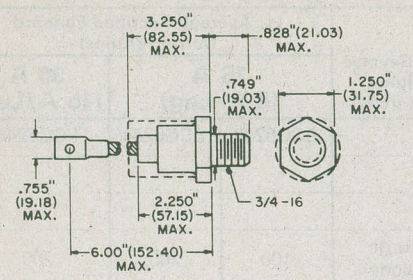
Fig. Z29 **DO-8**



Torque to 90 in-lbs min.
100 in-lbs max

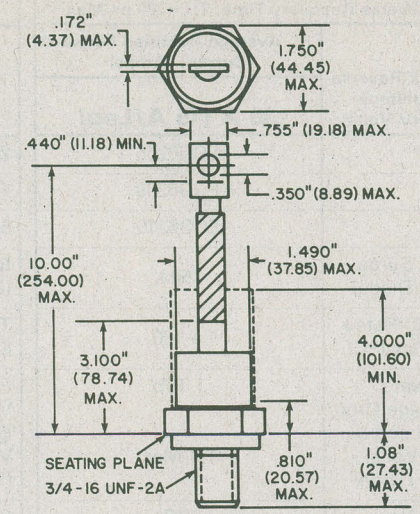
Industrial Rectifier Outlines (cont'd)

Fig. Z30 **DO-9**



Torque to 275 in-lbs min;
320 in-lbs max

Fig. Z31 **SR-75**



Torque to 360 in-lbs. Max.

Fig. Z32 **HR-16**

Min. Test Pressure 200 Lbs (.9 KN)
Operating Pressure 1400 Lbs (6.2 KN)

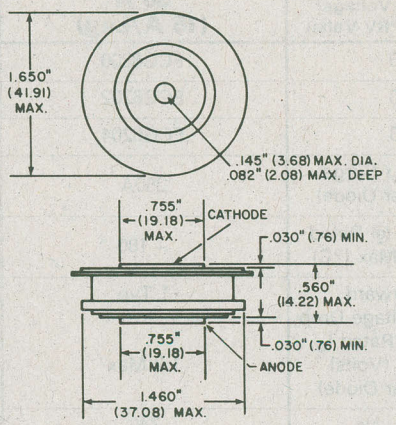


Fig. Z33 **HR-23**

Min. Test Pressure 200 Lbs (.9 KN)
Operating Pressure 2400 Lbs (10.7 KN)

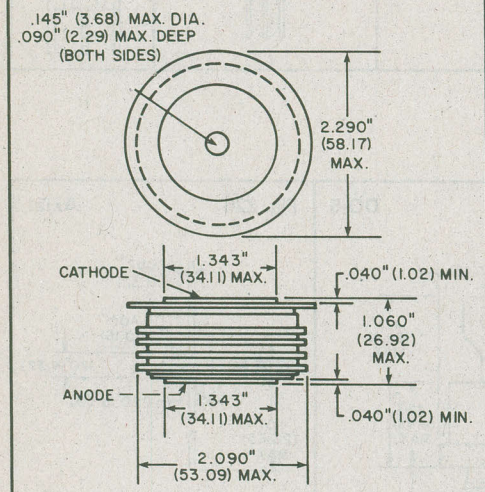


Fig. Z34 **HR-29**

Min. Test Pressure 200 Lbs (.9 KN)
Operating Pressure 6000 Lbs (26.7 KN)

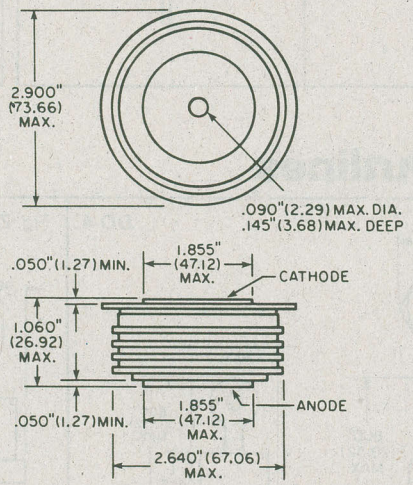
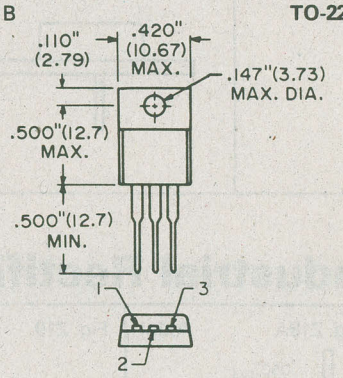
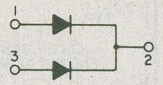


Fig. Z41B **TO-220**



ECG	1	2	3	TAB
6085	A	K	A	K
6087	A	K	A	K
6240	A	K	A	K
6244 *	K	A	K	A



* Internal Circuit for ECG6244

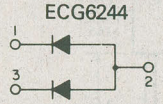
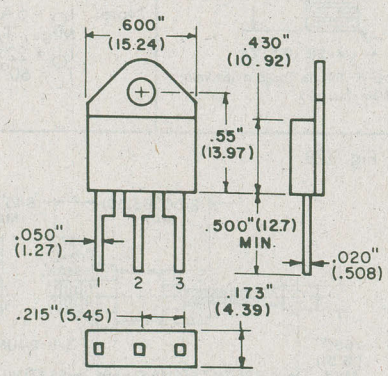


Fig. Z41C **TO-3P(TO-218)**



ECG	1	2	3	TAB
6090	A	K	A	K
6246	A	K	A	K

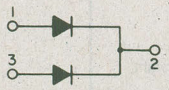
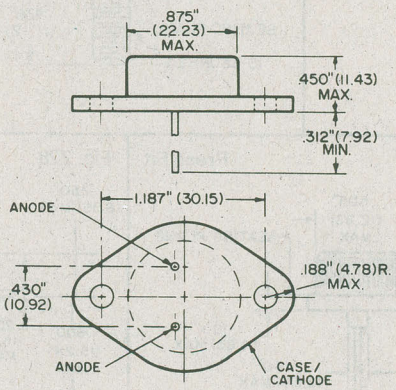
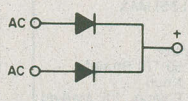


Fig. Z43 **TO-3**
Case/Cathode





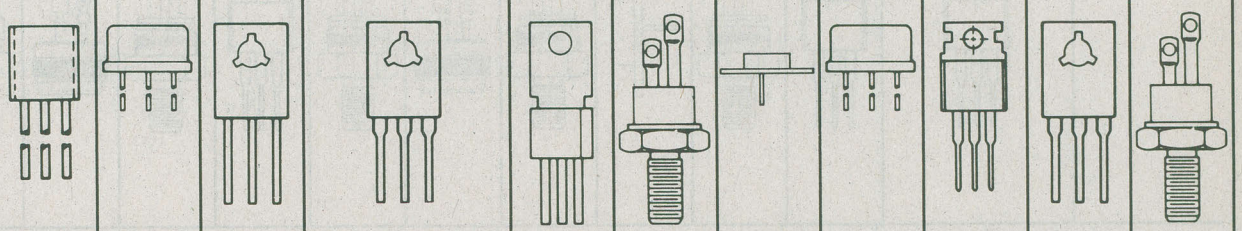
COMMON CATHODE

Silicon Controlled Rectifiers (SCR)

Phase Control - SCR



V_{DRM} DC or Pk Volts	$I_{T\ RMS}$ - All Conduction Angles		I_T Max Forward Current (Amps)								$I_{T\ Ave}$ - Conduction Angle = 180°	
	.8 A RMS	3 A RMS	4 A RMS				5 A RMS		*7 A RMS	8 A RMS		
	.5 A Av.	1.9 A Av.	2.5 A Av.				3.2 A Av.		4.3 A Av.	5.1 A Av.		
30	ECG5400		ECG5411	ECG5421	ECG5431	ECG5452						
50						ECG5453	ECG5470				ECG5442	ECG5481
60	ECG5401		ECG5412	ECG5422	ECG5432							
100	ECG5402		ECG5413	ECG5423	ECG5433	ECG5454	ECG5471					ECG5482
200	ECG5404	ECG5408	ECG5414			ECG5455	ECG5472	ECG5511	ECG5427		ECG5444	ECG5483
400	ECG5405	ECG5409	ECG5415			ECG5457	ECG5474	ECG5512	ECG5428	ECG5437	ECG5446	ECG5485
600	ECG5406	ECG5410	ECG5416				ECG5476	ECG5513	ECG5429	ECG5438	ECG5448	ECG5487
I_{GT} Min	200 µA #	10 mA	200 µA #	200 µA #	500 µA #	200 µA #	10 mA	15 mA	15 mA	200 µA #	30 mA	20 mA
V_{GT} Max (V)	0.8	1.5	1.0	1.0	1.0	0.8	1.5	2.0	1.5	1.5	1.5	1.5
I_{Surge} (A)	6.0	30	25	30	20	20	100	60	100	100	80	100
I_{Hold} Min (mA)	5.0	20	5.0	3.0	5.0	3.0	25	20	20	6.0	40	25
V_{GFM} (V)	8.0	10	6.0	6.0	6.0	6.0	6.0	10	6.0	5.0	6.0	10
V_{GRM} (V)	8.0	10	6.0	6.0	6.0	6.0	6.0	5.0	6.0	5.0	6.0	10
V_F on (V) Max	1.7	1.6	2.0	2.2	2.6	2.2	2.0	2.8	2.6	2.0	1.5	1.3
P_G Av (W)	.01	0.3	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.5	0.5	0.5
Operating Temp. T_j°C	−65 to +125	−40 to +125	−40 to +110				−40 to +110		−65 to +100	−40 to +110		−40 to +100
dv/dt (Typ) V/µsec	30	30	10				50	200	100	10	50	50
Fig. No.	Z36	Z35	Z38	Z39		Z40	Z48	Z42	Z35	Z41	Z39	Z48
Package	TO-92	TO-5M	TO-126	TO-127		TO-202	TO-64	TO-66	TO-5M	TO-220	TO-127	TO-64

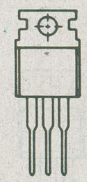
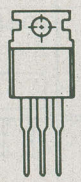
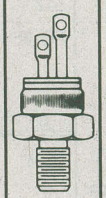
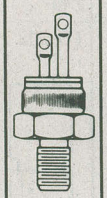
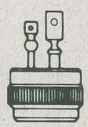
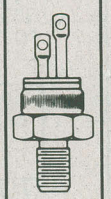
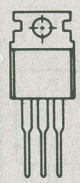
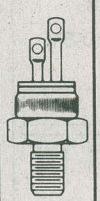
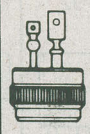
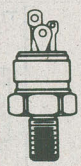
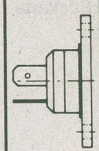


Package Outlines - See Page 1-110

Return Gate to Cathode through 1000 ohms minimum.
* If I_{TRMS} exceeds 4 A, anode connection must be made to case.

G

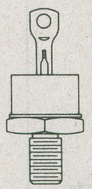
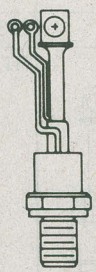
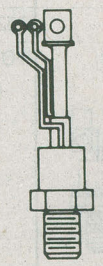
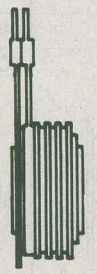
Phase Control - SCR (cont'd)

V_{DRM} DC or Pk Volts	I_T Max Forward Current (Amps)												
	$I_{T\ RMS}$ - All Conduction Angles									$I_{T\ Ave}$ - Conduction Angle = 180°			
	10 A RMS				12.5 A RMS	16 A RMS	20 A RMS	25 A RMS		35 A RMS			40 A RMS
	6.2 A Av.				8 A Av.	10 A Av.	13 A Av.	16 A Av.		22 A Av.			25 A Av.
50			ECG5461			ECG5501		ECG5521	ECG5550	ECG5541			
100			ECG5462	ECG5491		ECG5502		ECG5522		ECG5542			
200	ECG5417		ECG5463	ECG5492		ECG5504	ECG5514	ECG5524	ECG5552	ECG5543	ECG5517	ECG5562	
400	ECG5418	ECG5426	ECG5465	ECG5494	ECG314	ECG5507	ECG5515	ECG5527	ECG5554	ECG5545	ECG5518	ECG5564	
600	ECG5419		ECG5466	ECG5496		ECG5509	ECG5516	ECG5529	ECG5556	ECG5547	ECG5519	ECG5566	ECG5534A
800			ECG5468					ECG5531	ECG5558	ECG5548			
I_{GT} Min	15 mA	200 µA #	15 mA	15 mA	40 mA	25 mA	15 mA	40 mA	40 mA	40 mA	40 mA	40 mA	50 mA
V_{GT} Max (V)	1.5	.8	1.5	2.0	2.0	2.5	2.0	2.0	1.5	1.5	2.0	1.6	2.0
I_{Surge} (A)	100	100	100	200	200	125	200	150	300	325	350	350	440 mA
I_{Hold} Min (mA)	30	3.0	20	20	50	25	20	50	40	50	50	50	75 mA
V_{GFM} (V)	5.0	5.0	10	10	10	10	10	10	10	10	10	10	10
V_{GRM} (V)	5.0	5.0	5.0	10	5.0	5.0	5.0	5.0	10	10	10	10	10
V_F on Max (V)	1.6	1.6	1.8	2.5	1.8	2.5	2.4	2.0	1.8	1.5	1.8	1.4	1.8
P_G Av (W)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1
Operating Temp. T_j°C	−40 to +110		−40 to +100		−40 to +100	−65 to +125	−40 to +100	−65 to +125	−40 to +125	−40 to +100			−40 to +125
dv/dt (Typ) V/µsec	20		100	30	100	30	50	30	50	50			500
Fig. No.	Z41		Z41	Z49	Z43	Z49	Z46	Z49	Z41	Z49	Z46	Z50	Z45A
Package	Isolated Tab TO-220		TO-220	TO-48	TO-3	TO-48	1/2" Press Fit	TO-48	TO-220	TO-48	1/2" Press Fit	Isolated Stud	TO-3 Flange Isolated
													

Return Gate to Cathode through 1000 ohms minimum.

Package Outlines - See Page 1-110

Phase Control - SCR (cont'd)

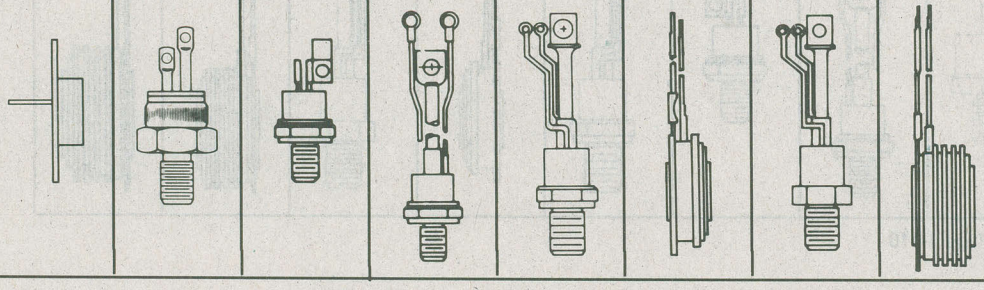
V_{DRM} DC or Pk Volts	I_T RMS - All Conduction Angles			I_T Max Forward Current (Amps) I_T Ave - Conduction Angle = 180°				
	80 A RMS	**125 A RMS**		**275 A RMS**	**470 A RMS**	**550 A RMS**	**850 A RMS**	**1880 A RMS**
	50 A Av.	**80 A Av.**		**175 A Av.**	**300 A Av.**	**350 A Av.**	**550 A Av.**	**1200 A Av.**
200	ECG5567	ECG5570	ECG5575	ECG5580	ECG5590		ECG5594	
600	ECG5568	ECG5572	ECG5577	ECG5582	ECG5591	ECG5587	ECG5595	ECG5598
1200	ECG5569	ECG5574	ECG5579	ECG5584	ECG5592	ECG5589	ECG5596	ECG5599
I_{GT} Min (mA)	100	100	100	150	150	150	150	200
V_{GT} Max (V)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I_{Surge} (A)	1200	1800	1800	5500	5500	10,000	10,000	27,000
I_{Hold} Min (mA)	200	200	200	300	300	300	300	500
V_{GFM} (V)	20.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
V_{GRM} (V)	10.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
V_F on (V) Max	2.5	2.2	2.2	1.5	1.5	2.0	2.0	1.7
P_G Av (W)	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Operating Temp. T_j°C	−40 to +125	−40 to +125		−40 to +125	−40 to +125	−40 to +125	−40 to +125	−40 to +125
dv/dt (Max) V/μsec	200	300	300	300	300	300	300	300
Non-Repetitive di/dt Max Amps/μsec	200	800	800	800	800	800	600	800
Fig. No.	Z47	Z52	Z51	Z53	Z55	Z54	Z56	Z57
Package	TO-65 	TO-94 	TO-83 	TO-93 	HT-16 	ST-75 	HT-23 	HT-29 

Package Outlines - See Page 1-110

High Speed - SCR (Switching)



V_{DRM} DC or Pk Volts	I_T Max Forward Current (Amps) — I_T RMS - All Conduction Angles — I_T Ave - Conduction Angle = 180°							
	5 A RMS	**35 A RMS**	**125 A RMS**		**275 A RMS**	**400 A RMS**	**475 A RMS**	**700 A RMS**
	3.2 A Av.	**16 A Av.**	**80 A Av.**		**175 A Av.**	**250 A Av.**	**300 A Av.**	**450 A Av.**
600	ECG5351*	ECG5360	ECG5368	ECG5371	ECG5374	ECG5380	ECG5377	ECG5386
1200			ECG5369	ECG5372	ECG5375	ECG5381	ECG5378	ECG5387
I_{GT} Min (mA)	35	180	150	150	150	150	150	150
V_{GT} Max (V)	1.2	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I_{Surge} (A)	80	180	1400	1400	4500	4500	8000	8000
V_{GRM} (V)	10	10	5.0	5.0	5.0	5.0	5.0	5.0
V_F on (V) Max	3.0	2.05	2.0	2.0	1.85	1.85	2.6	2.6
P_G Av (W)	.5	1.0	3.0	3.0	3.0	3.0	3.0	3.0
Operating Temp. T_j°C	−40 to +100	−65 to +125	−40 to +125		−40 to +125	−40 to +125	−40 to +125	−40 to +125
Repetitive d_i/d_t Amps/μsec Max	100	100	150	150	300	300	400	400
Non-Repetitive d_i/d_t Amps/μsec Max	200	400	800	800	800	800	800	800
d_v/d_t (Max) V/μsec	100	200	200	200	300	300	300	300
Turn-Off Time t_q μsec Max	2.0	10	10	15	10	20	25	25
Fig. No.	Z42	Z49	Z51	Z52	Z53	Z55	Z54	Z56
Package	TO-66	TO-48	TO-83	TO-94	TO-93	HT-16	ST-75	HT-23



* Contains internal resistor (100Ω) between gate and cathode.

Package Outlines - See Page 1-110

Gate Turn-Off - SCR (For TV Applications)

ECG Type	Description/ Application	V_{DRM} Volts	$I_{T RMS}$ Amps	I_{Surge} (Amps)	I_{GT} (mA)	V_{GT} (Volts)	I_{GO} (mA)	V_{GO} (Volts)	Package	
									Case	Fig. No.
ECG276	Gate Turn Off SCR	1250	5	80	75	1.5	−450	7	TC-9	Z44
ECG279A	Gate Turn Off SCR	350	.25	3	.38	1.5	−115	3	SC-51	Z37

TV Horizontal Deflection - SCR

ECG Type	Description/ Application	V_{DRM} (Volts)	$I_{T RMS}$ (Amps)	I_{Surge} (Amps)	I_{GT} (mA)	V_{GT} (Volts)	I_{Hold} (mA)	Turn-Off Time T_Q (μsec)	Package	
									Case	Fig. No.
ECG230	TV Horizontal Deflection Trace Switch	700	5	80	50	2.0	100	2.5	TO-66	Z42
ECG231	TV Horizontal Deflection Commutating Switch	600	5	80	50	2.0	100	4.3	TO-66	Z42

TV Power Supply Switching - SCR

ECG Type	Description/ Application	V_{DRM} (Volts)	$I_{T RMS}$ (Amps)	I_{Surge} (Amps)	I_{GT} (mA)	V_{GT} (Volts)	I_{Hold} (mA)	Turn-Off Time T_Q (μsec)	Package	
									Case	Fig. No.
ECG5424	SCR, Hi Speed Sw, Power Supply Control Regulator	400	4.7	55	20	3	135	4.0	TO-220	Z41
ECG5425	SCR, Hi Speed Power Supply Control	525	5	80	40	2.7	20	2.5	TO-66	Z42



Integrated Thyristor/Rectifiers (ITR)

ECG Type	Description/ Application	V_{DRM} (Volts)	$I_{T RMS}$ (Amps)	I_{Surge} (Amps)	I_{GT} (mA)	V_{GT} (Volts)	I_{Hold} (mA)	Turn-Off Time T_Q (μsec)	Package	
									Case	Fig. No.
ECG308	TV Horizontal Deflection Commutating Switch	800	5	70	50	3.5	100	5.5	TO-66	Z42
ECG308P	TV Horizontal Deflection Commutating Switch	750	8	80	45	4.0		4.2	TO-220	Z41
ECG310	TV Horizontal Deflection Trace Switch	800	5	70	50	3.5	100	3.0	TO-66	Z42
ECG310P	TV Horizontal Deflection Trace Switch	750	8	80	45	4.0		2.4	TO-220	Z41

Package Outlines - See Page 1-110

SCR Outlines

Fig. Z35 **TO-5M**

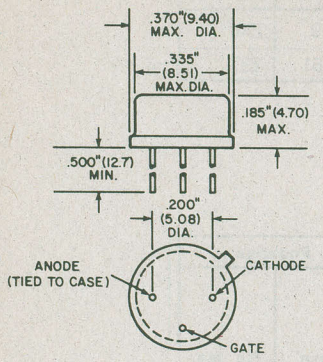
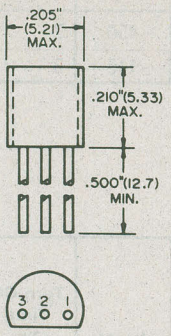
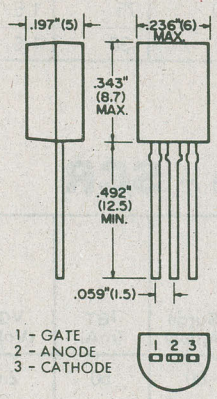


Fig. Z36 **TO-92**



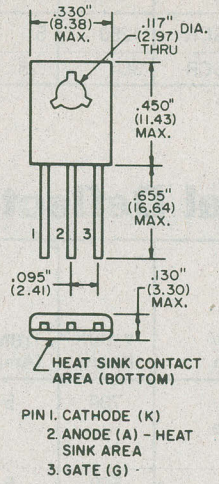
PIN
1. CATHODE (K)
2. GATE (G)
3. ANODE (A)

Fig. Z37 **SC-51**



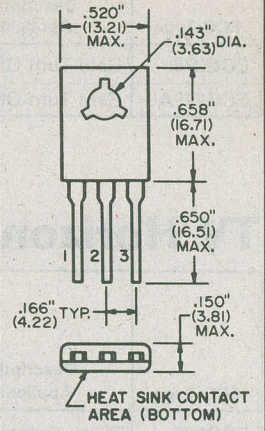
1 - GATE
2 - ANODE
3 - CATHODE

Fig. Z38 **TO-126**



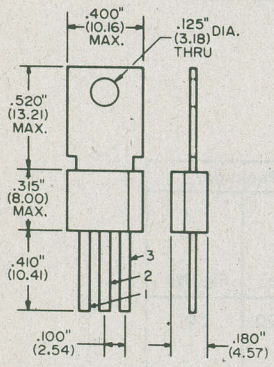
PIN I. CATHODE (K)
2. ANODE (A) - HEAT SINK AREA
3. GATE (G)

Z39 **TO-127**



PIN I. CATHODE (K)
2. ANODE (A) - HEAT SINK AREA
3. GATE (G)

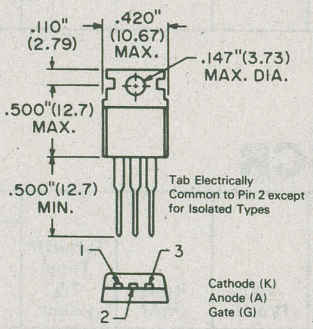
Fig. Z40 **TO-202**



PIN I. CATHODE
2. ANODE
3. GATE LEAD ADJACENT TO CHAMFER

TAB DIRECTLY CONNECTED TO CENTER LEAD (ANODE) INTERNALLY

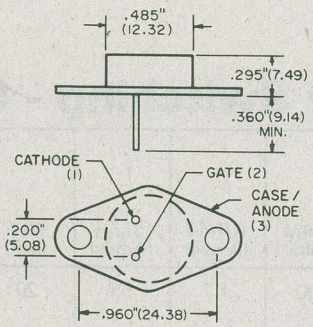
Fig. Z41 **TO-220**



ECG	1	2	3	TAB
308P	G	A	K	A
310P	G	A	K	A
5417	K	A	G	Iso
5418	K	A	G	Iso
5419	K	A	G	Iso
5424	K	A	G	A
5426	K	A	G	Iso
5437	K	A	G	A
5438	K	A	G	A
5461	K	A	G	A

ECG	1	2	3	TAB
5462	K	A	G	A
5463	K	A	G	A
5465	K	A	G	A
5466	K	A	G	A
5468	K	A	G	A
5550	K	A	G	A
5552	K	A	G	A
5554	K	A	G	A
5556	K	A	G	A
5558	K	A	G	A

Fig. Z42 **TO-66**



For ECG5425 Only
1. Gate
2. Cathode

Fig. Z43 **TO-3**

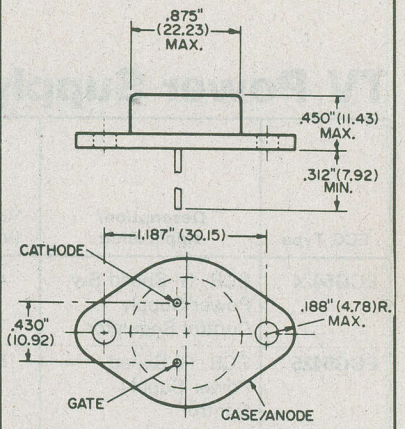


Fig. Z44 **TC-9**

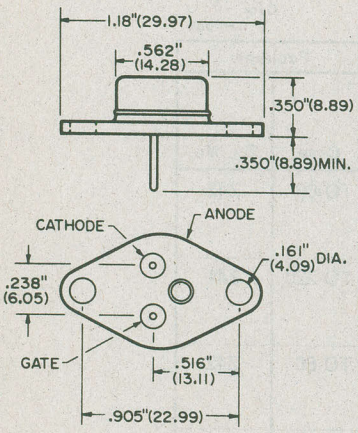
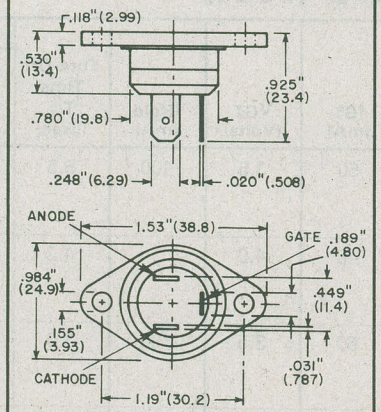


Fig. Z45A **TO-3 Flange Isolated**



All terminals electrically isolated from case.

Fig. Z46 **1/2" Press Fit**

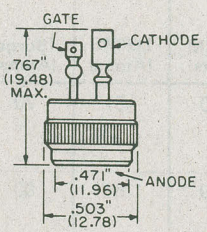
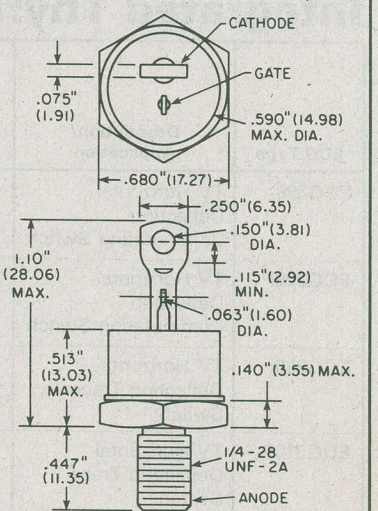


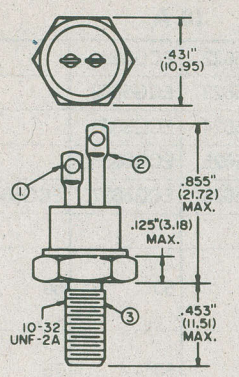
Fig. Z47 **TO-65**



TORQUE TO 27 in-lbs MAX.

SCR Outlines (cont'd)

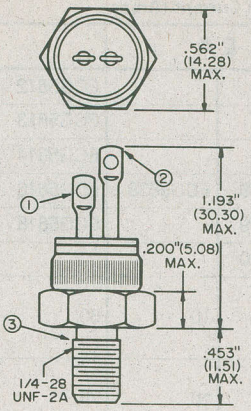
Fig. Z48 **TO-64**



PIN
1. GATE (G)
2. CATHODE (K)
3. ANODE (A)

Torque to 12 in-lbs min; 15 in-lbs max

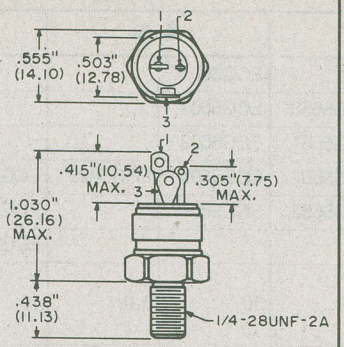
Fig. Z49 **TO-48**



PIN 1. GATE (G)
2. CATHODE (K)
3. ANODE (A)

Torque to 25 in-lbs min; 30 in-lbs max

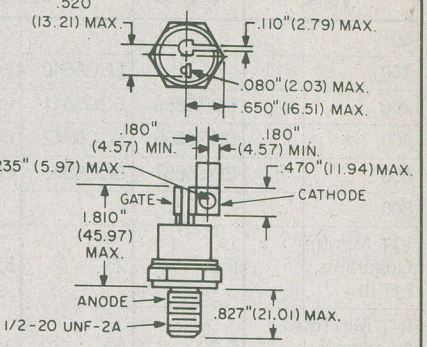
Fig. Z50 **TO-48 Isolated Stud**



PIN 1 CATHODE
2 GATE
3 ANODE

Torque to 25 in-lbs min; 30 in-lbs max

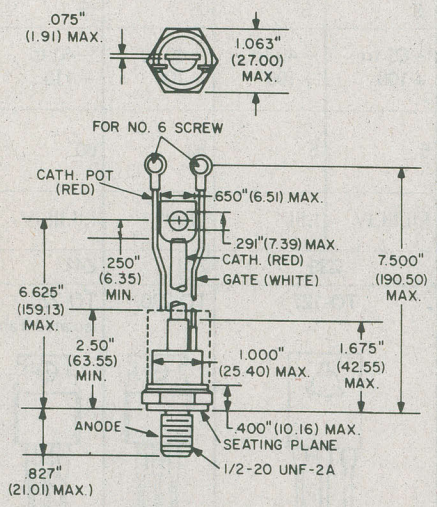
Fig. Z51 **TO-83**



TORQUE TO 130 IN-LBS. MAX.

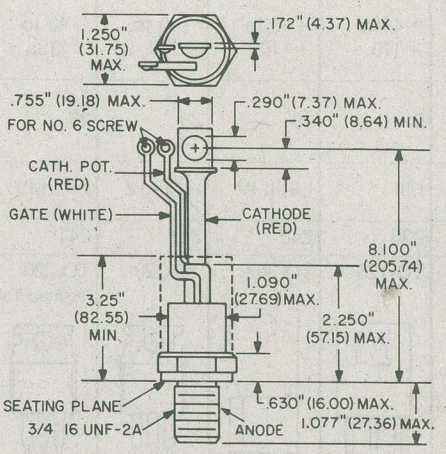
G

Fig. Z52 **TO-94**



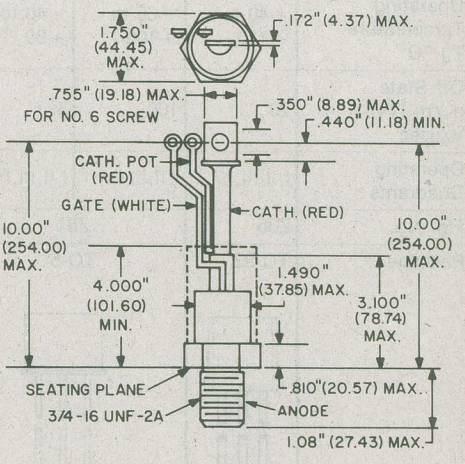
Torque to 130 in-lbs. Max.

Fig. Z53 **TO-93**



Torque to 300 in-lbs. Max.

Fig. Z54 **ST-75**



Torque to 360 in-lbs. Max.

Fig. Z55 **HT-16**

Min. Test Pressure 200 Lbs (.9 KN)
Operating Pressure 1400 Lbs (6.2 KN)

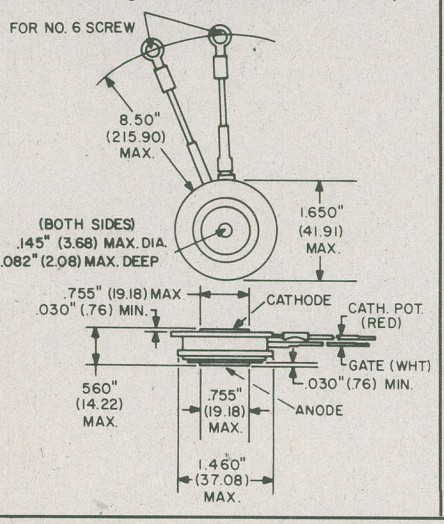


Fig. Z56 **HT-23**

Min. Test Pressure 200 Lbs (.9 KN)
Operating Pressure 2400 Lbs (10.7 KN)

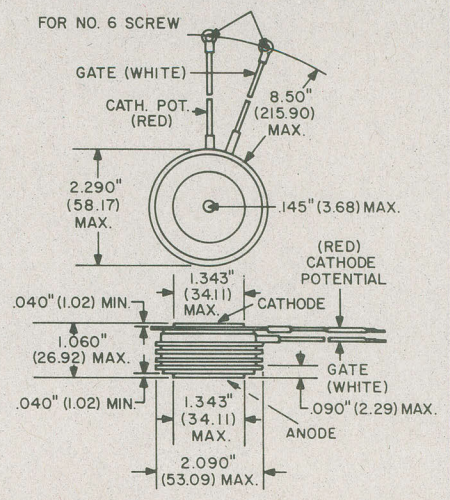
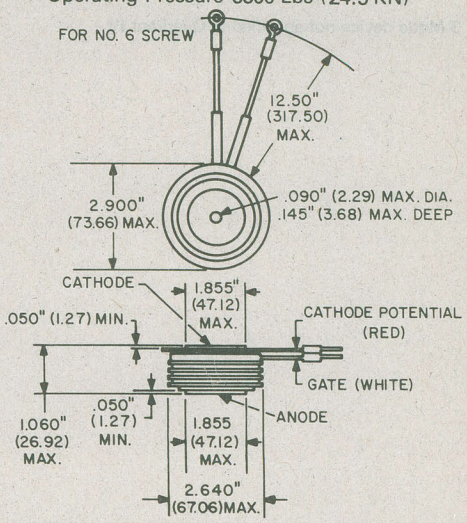
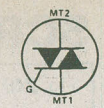


Fig. Z57 **HT-29**

Min. Test Pressure 200 Lbs (.9 KN)
Operating Pressure 5500 Lbs (24.5 KN)



TRIACS

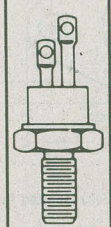
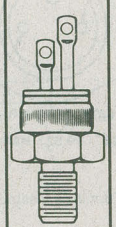
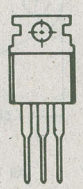
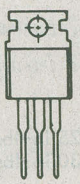
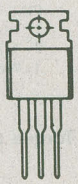
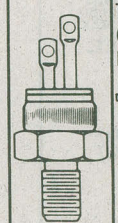
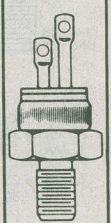
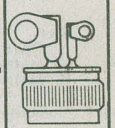


V_{RRM} DC or Peak Volts	$I_{T\ RMS}$ Max Forward Current (Amps)										
	0.8 A	2.5 A		4 A		8 A		10 A			
50				ECG5601				ECG5612	ECG5622	ECG5631	
100		ECG5640	ECG5650	ECG5602				ECG5613	ECG5623	ECG5632	
200	ECG5655	ECG5641	ECG5651	ECG5603				ECG5614	ECG5624	ECG5633	
400	ECG5656	ECG5642	ECG5652	ECG5605	ECG5629	ECG5608	ECG5638	ECG5616	ECG5626	ECG5635	
600	ECG5657	ECG5643	ECG5653	ECG5607		ECG5609		ECG5618	ECG5628	ECG5637	ECG5645
800						ECG5610					
I_{GT} Min (mA) Quadrants I & III	5.0	25	3.0	30	3.0	10	10	50	50	50	50
I_{GT} Min (mA) Quadrants II & IV	5.0	40	3.0	---	3.0	10	10	75	---	50*	75
V_{GT} Max (V)	2.0	2.2	2.2	2.5	2.0	2.5	2.0	2.5	2.0	2.5	2.5
I_{Surge} Max (A)	8.0	25	25	30	40	80	80	100	100	100	120
I_{Hold} Min (mA)	20	35	5.0	30	5.0	15	10	50	50	50	50
V_{on} Max (V)	1.5	1.8	2.2	2.0	1.6	1.5	1.6	1.8	1.8	1.65	1.6
V_{GM} (V)	±5.0	±5.0	±5.0	±5.0	±5.0	±10	±5.0	±5.0	±5.0	±10	±5.0
P_G Av (W)	.01	.05	.05	.5	.3	.5	.4	.5	.5	.5	.5
Operating Temperature T_J °C	−40 to +110	−65 to +100	−40 to +90	−40 to +110	−40 to +110	−40 to +110	−40 to +110	−65 to +100	−40 to +100	−40 to +100	−40 to +110
Off State dv/dt (Typ) V/μsec	20	100	5	5	10	25	25	5	5	50	60
Operating Quadrants	I,II,III,IV	I,ii,III,IV	I,II,III,IV	I,III	I,II,III,IV	I,II,III,IV	I,II,III,IV	I,II,III,IV	I,III	I,II,III	I,II,III,IV
Fig. No.	Z36	Z61		Z38	Z40	Z41	Z41	Z39		Z41	Z41
Package	TO-92	TO-5		TO-126	TO-202	TO-220	TO-220 Isolated Tab	TO-127		TO-220	TO-220 Isolated Tab

Package Outlines - See Page 1-114

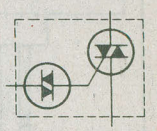
* 3 Mode device not specified in Quadrant IV

TRIACS (cont'd)

V_{RRM} DC or Peak Volts	I_T RMS Max Forward Current (Amps)											
	12 A	15 A			25 A				40 A			
50							ECG5681					
100							ECG5682					
200		ECG5673	ECG56004		ECG56015	ECG56019	ECG5683		ECG5693	ECG56022		ECG5688
400		ECG5675	ECG56006		ECG56016	ECG56020	ECG5685		ECG5695	ECG56024		ECG5689
600	ECG5667A	ECG5677	ECG56008	ECG5649	ECG56017		ECG5687	ECG5672	ECG5697	ECG56026	ECG5679	ECG5690
800	ECG5668A		ECG56010		ECG56018							
1000	ECG5669A											
I_{GT} Min (mA) Quadrants I & III	100	50	40	50	50 Quads I,II,III	50	75	80	50	50	50	50
I_{GT} Min (mA) Quadrants II & IV	100	80	75	75	75 Quad IV	50	100	100*	80	80	50*	80
V_{GT} Max (V)	2.5	2.5	2.5	2.5	2.5	2.5	3.0	2.5	2.5	2.5	2.5	2.5
I_{Surge} Max (A)	120	100	150	150	250	200	225	250	300	300	300	300
I_{Hold} Min (mA)	100	75	40	70	50	70	75	80	60	60	75	60
V_{on} Max (V)	2.2	1.8	1.6	1.6	1.85	1.8	1.9	1.8	2.0	2.0	1.8	2.0
V_{GM} (V)	---	±5.0	±10	±5.0	±10	±10	±5.0	±10	±10	±10	±10	±10
P_G Av (W)	1	.5	.5	.5	.5	.5	.75	.8	.75	.75	.8	.75
Operating Temperature T_J °C	−40 to +125	−65 to +100	−40 to +125	−40 to +100	−40 to +125	−40 to +110	−40 to +100	−40 to +110	−65 to +110	−65 to +110	−40 to +110	−40 +110
Off State dv/dt (Typ) V/μsec	100	100	50	60	40	60	100	60	100	100	60	100
Operating Quadrants	I,II,III,IV	I,II,III,IV	I,II,III,IV	I,II,III,IV	I,II,III,IV	I,II,III	I,II,III,IV	I,II,III	I,II,III,IV	I,II,III,IV	I,II,III	I,II,III,IV
Fig. No.	Z48A	Z49	Z41	Z60	Z41	Z41	Z49	Z59	Z49	Z50	Z63	Z62
Package	TO-64 Metric 	TO-48 	TO-220 	5/8" Swedge TO-3 (Isolated Flange) 	TO-220 	TO-220 Isolated Tab 	TO-48 	3/4" Swedge TO-3 (Isolated Flange) 	TO-48 	TO-48 Isolated Stud 	Square Pak TO-3 (Isolated Flange) 	1/2" Press Fit 

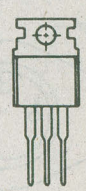
* 3 Mode device not specified in Quadrant IV

Package Outlines - See Page 1-114



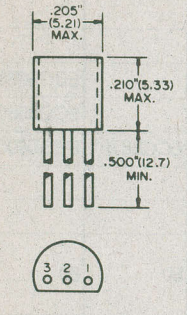
TRIAC with Internal Trigger DIAC

ECG Type	I_T RMS Amps	V_{RRM} DC or Pk Volts	Operating Quadrants	V_{BO} (V)	I_{BO} (μA)	Max Ratings			Oper Temp T_J °C	Off State dv/dt V/μsec	Fig. No
						V_F (on) Volts	I_{Surge} Amps	I_{Hold} mA			
ECG5646	10 A	600	I, II, III, IV	35 Min	200	1.6	110	50	−40 to +100	60	Z41

Package TO-220 Isolated Tab 

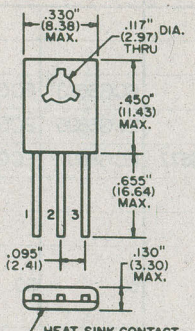
TRIAC Outlines

Fig. Z36 TO-92



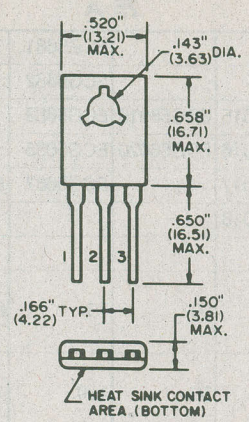
1. MAIN TERMINAL 1 (MT_1)
2. GATE (G)
3. MAIN TERMINAL 2 (MT_2)

Fig. Z38 TO-126



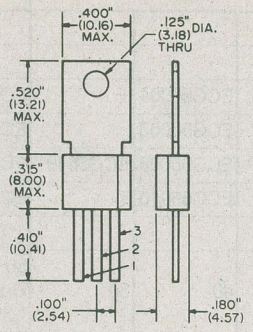
PIN
1. MAIN TERMINAL 1 (MT_1)
2. MAIN TERMINAL 2 (MT_2) HEAT SINK AREA
3. GATE (G)

Fig. Z39 TO-127



PIN
1. MAIN TERMINAL 1 (MT_1)
2. MAIN TERMINAL 2 (MT_2) HEAT SINK AREA
3. GATE (G)

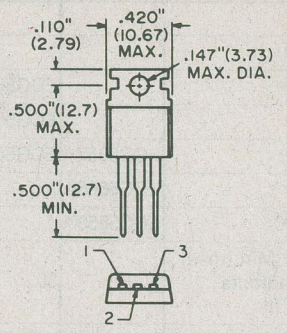
Fig. Z40 TO-202



1. MT1
2. MT2
3. GATE

TAB COMMON TO PIN 2

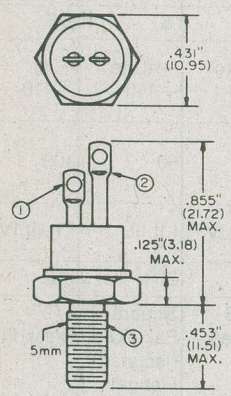
Fig. Z41 TO-220



PIN
1. MAIN TERMINAL 1 (MT_1)
2. MAIN TERMINAL 2 (MT_2)
3. GATE (G)

Tab Electrically Common to Pin 2 except for Isolated Types

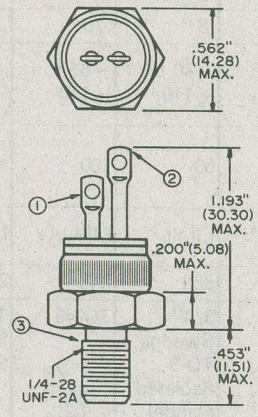
Fig. Z48A TO-64M



PIN
1. GATE (G)
2. MAIN TERMINAL 1 (MT_1)
3. MAIN TERMINAL 2 (MT_2)

Torque to 12 in-lbs min.
15 in-lbs max

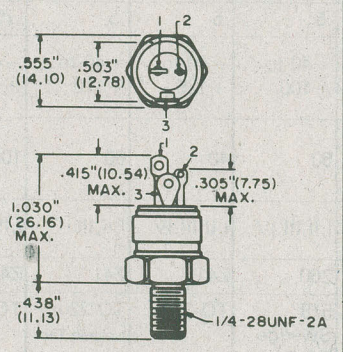
Fig. Z49 TO-48



PIN
1. GATE (G)
2. MAIN TERMINAL 1 (MT_1)
3. MAIN TERMINAL 2 (MT_2)

Torque to 25 in-lbs min;
30 in-lbs max

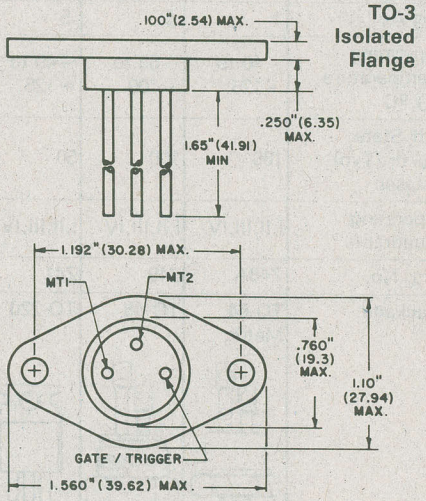
Fig. Z50 TO-48 Isolated Stud



PIN
1. MAIN TERMINAL 1
2. GATE
3. MAIN TERMINAL 2

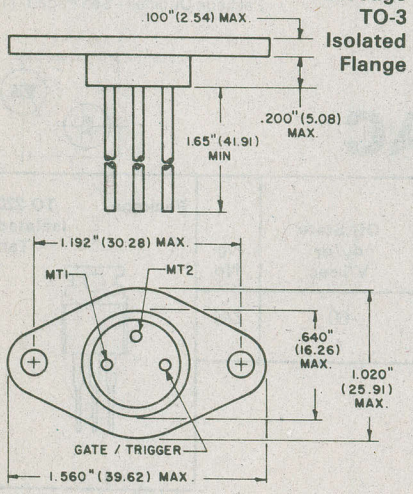
Torque to 25 in-lbs min;
30 in-lbs max

Fig. Z59 3/4" Swedge TO-3 Isolated Flange



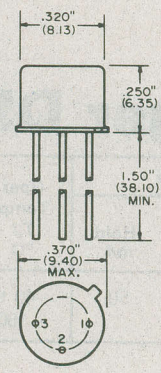
All Terminals Electrically Isolated from Case.

Fig. Z60 5/8" Swedge TO-3 Isolated Flange



All Terminals Electrically Isolated from Case.

Fig. Z61 TO-5



PIN 1. MAIN TERMINAL 1 (MT_1)
PIN 2. GATE (G)
PIN 3. MAIN TERMINAL 2 (MT_2) COMMON TO CASE

Fig. Z62 1/2" Press Fit

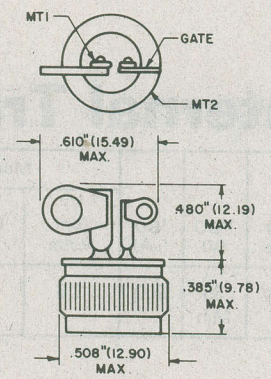
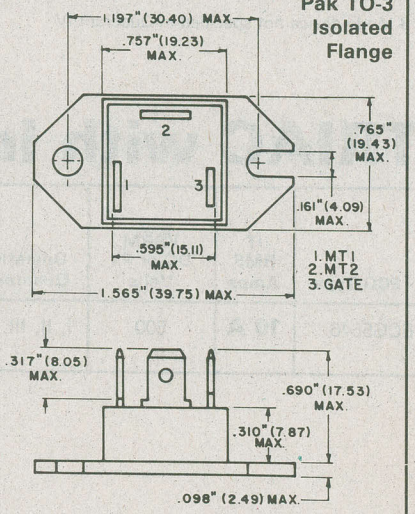


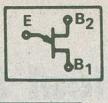
Fig. Z63 Square Pak TO-3 Isolated Flange



All Terminals Electrically Isolated from Case.

Special Purpose Devices

Silicon Unijunction Transistors (UJT)



ECG Type	IE mA	η Min	η Max	RBBO (Kohms) Min	RBBO (Kohms) Max	Inter-Base Volts	PD mW	IEO μ Amps	IV (Min) mA	Package/ Outline No.
ECG6400B	50	0.54	0.67	4	12	55	450	1 Max	8	TO-39 Fig. S1
ECG6401	50	0.56	0.75	4.7	9.1	35	300	0.05 Typ	4	TO-18 Fig. S2
ECG6409	50	0.68	0.82	4.7	9.1	35	300	0.01 Typ	8	TO-18 Fig. S2
ECG6410	50	0.70	0.85	4.0	9.1	35	300	.005 Typ	4	TO-92 Fig. S3

Fig. S1 TO-39

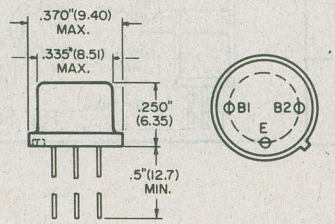


Fig. S2 TO-18

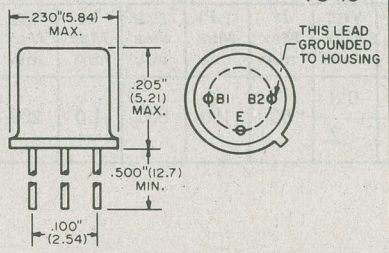
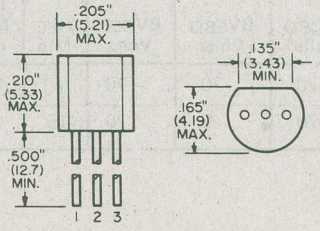


Fig. S3 TO-92



ECG	1	2	3
6402	A	G	K
6403	A_1	G	A_2
6404	A	G	C
6405	K_1	-	K_2
6410	B_1	E	B_2

H

Programmable Unijunction Transistor (PUT)



ECG Type	Forward Anode Current IT mA	Gate Current IG mA	BVGKF Volts	BVGKR Volts	VAKR Volts	PD mW	Package/ Outline No.
ECG6402	150 (2 A Pk)	±20	40	−5	±40	300	Fig. S4

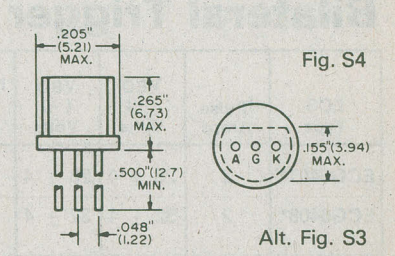
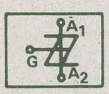


Fig. S4

Alt. Fig. S3

Silicon Bilateral Switch (SBS)



ECG Type	IFM Rep Amps	IF Max mA	VS Volts	IS Max μA	IH mA	PD mW	Package/ Outline No.
ECG6403	1.0	175	6 Min 10 Max	500	1.5	300	Fig. S5

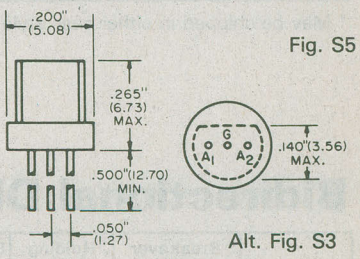
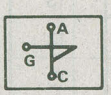


Fig. S5

Alt. Fig. S3

Silicon Unilateral Switch (SUS)



ECG Type	IFM Rep Amps	IF Max mA	VS Volts	IS Max μA	IH mA	PD mW	Package/ Outline No.
ECG6404	1.0	175	6 Min 10 Max	500	1.5	300	Fig. S6

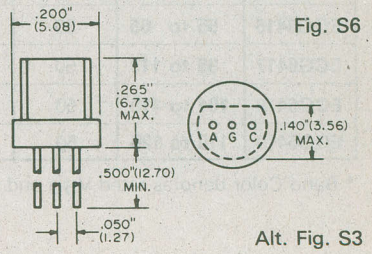
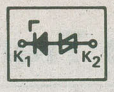


Fig. S6

Alt. Fig. S3

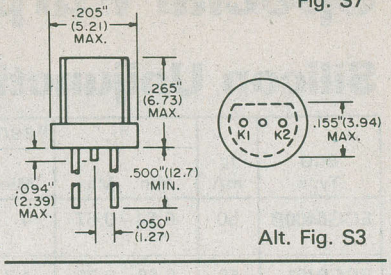
Special Purpose Devices (cont'd)

Silicon Asymmetrical Switch (SAS)



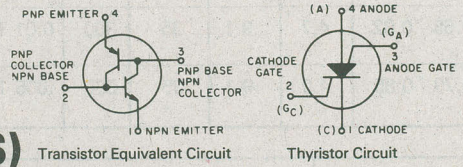
ECG Type	I_{FM} Rep Amps	I_F Max mA	V_S Volts	I_S Max μA	Output Pulse Volts	P_D mW	Package Outline No.
ECG6405	0.5	200	VS1, 14 to 18 VS2, 7 to 9	80	3.5 Min	350	Fig. S7

Fig. S7



Alt. Fig. S3

Silicon Controlled Switch (SCS)



Transistor Equivalent Circuit — Thyristor Circuit

ECG Type		BV_{CBO} Volts	BV_{EBO} Volts	BV_{CER} Volts	H_{FE} Min	I_{GT} Max mA	V_{GT} Max Volts	I_T Max mA	I_T Pk Max mA	I_{TSM} Max mA	I_H Max mA	P_D Max mW	Package/ Outline No.
ECG239	PNP	−70	−70	−70	0.1	1.0	0.8	50	100	500	1.0	200	TO-72 Fig. S8
	NPN	70	5	70	15	1.0	1.2						

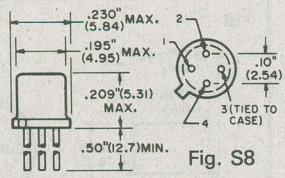
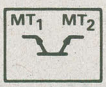


Fig. S8

Bilateral Trigger Diodes (DIAC's)



ECG Type	I_{Pulse} Amps	V_{BO} (+) Volts	V_{BO} (−) Volts	I_{BO} (+) Max mA	I_{BO} (−) Max mA	ΔV_F Volts	ΔV_R Volts	P_D mW DO-7	P_D mW TO-92	Package/ Outline No.
ECG6407*	2	28 ± 4	28 ± 4	1	1	6	6	250	300	DO-7 Fig. S9 TO-92 Fig. S10
ECG6408*	2	32 ± 4	32 ± 4	1	1	6	6	250	300	
ECG6411	2	40 ± 5	40 ± 5	1	1	6	6	250		DO-7 Fig. S9
ECG6412	2	63 ± 7	63 ± 7	1	1	6	6	250		

* May be shipped in either case style.

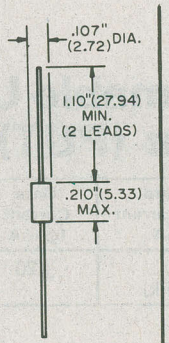


Fig. S9

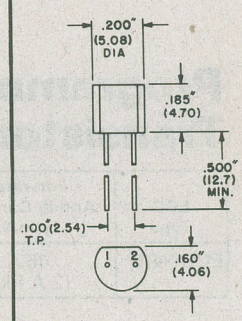
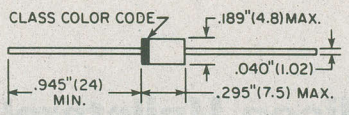


Fig. S10

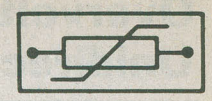
Bidirectional Diode Thyristors (SYDAC)

ECG Type	Breakover Voltage V_{BO} (Volts)	Holding Current I_H (mAmps)	Effective Current I_{TRMS} (Amps)	Surge Current I_{Surge} (Amps)	On Voltage V_T (Volts)	Power Diss. P_D (mWatts)	Band Color *	Package Case	Package Fig. No.
ECG6415	**45 to 60**	50	1	13	1.5 Max	850	Red	DO-201	S16
ECG6416	**55 to 65**	50	1	13	1.5 Max	850	Gold		
ECG6417	**95 to 113**	50	1	13	1.5 Max	850	Orange		
ECG6418	**104 to 118**	50	1	13	1.5 Max	850	Blue		
ECG6419	**110 to 125**	50	1	13	1.5 Max	850	Green		



* Band Color denotes rated V_{BO} and is not cathode band.

Overvoltage Transient Suppressors
Metal Oxide Varistors (MOV)



ECG Type	Maximum Voltage			Nominal Varistor Voltage V_{NOM} (Volts)	Energy W_{TM} (Joules)	Peak Current I_{TM} (Amps)	Transient Power Dissipation P_D (Watts)	Figure No.
	RMS V_{ACM} (Volts)	DC V_{DCM} (Volts)	Clamping V_{CL} (Volts)					
ECG1V010	10	14	42	18	.8	250	.25	S11-1
ECG2V010	10	14	39	18	3.5	1000	.6	S11-2
ECG1V014	14	18	47	22	.9	250	.25	S11-1
ECG2V014	14	18	43	22	4.0	1000	.6	S11-2
ECG1V015	15	20	52	24	1.0	250	.25	S11-1
ECG2V015	15	20	48	24	4.5	1000	.6	S11-2
ECG1V017	17	22	57	27	1.0	250	.25	S11-1
ECG2V017	17	22	53	27	5.0	1000	.6	S11-2
ECG1V020	20	26	68	33	1.2	250	.25	S11-1
ECG2V020	20	26	64	33	6.0	1000	.6	S11-2
ECG1V025	25	30	77	39	1.5	250	.25	S11-1
ECG2V025	25	30	77	39	10.0	1000	.6	S11-2
ECG1V030	30	37	93	47	1.8	250	.25	S11-1
ECG2V030	30	37	93	47	10.0	1000	.6	S11-2
ECG1V035	35	45	107	56	2.2	250	.25	S11-1
ECG2V035	35	45	103	56	10.0	1000	.6	S11-2
ECG1V040	40	55	135	68	2.5	250	.25	S11-1
ECG2V040	40	55	135	68	12.0	1000	.6	S11-2
ECG1V050	50	66	152	82	3.0	250	.25	S11-1
ECG2V050	50	66	147	82	14.0	1000	.6	S11-2
ECG1V060	60	85	165	100	4.0	1200	.25	S11-1
ECG2V060	60	85	165	100	20.0	4500	.6	S11-2
ECG1V075	75	100	195	120	5.0	1200	.25	S11-1
ECG2V075	75	100	195	120	20.0	4500	.6	S11-2
ECG1V095	95	125	245	150	6.0	1200	.25	S11-1
ECG2V095	95	125	245	150	25.0	4500	.6	S11-2
ECG1V115	115	153	295	171	9.0	1200	.25	S11-1
ECG2V115	115	153	300	171	30.0	4500	.6	S11-2
ECG1V130	130	175	340	208	10.0	1200	.25	S11-1
ECG2V130	130	175	340	208	35	4500	.6	S11-2
ECG524V13	130	175	340	208	70	6500	1.0	S11
ECG1V150	150	200	395	240	11	1200	.25	S11-1
ECG2V150	150	200	395	240	40	4500	.6	S11-2
ECG524V15	150	200	395	240	80	6500	1.0	S11
ECG1V250	250	330	650	390	17	1200	.25	S11-1
ECG2V250	250	330	650	390	70	4500	.6	S11-2
ECG524V25	250	330	650	390	130	6500	1.0	S11
ECG1V275	275	350	700	430	20.0	1200	.25	S11-1
ECG2V275	275	350	700	430	75.0	4500	.6	S11-2
ECG524V27	275	350	700	430	140	6500	1.0	S11
ECG1V300	300	385	765	470	20.0	1200	.25	S11-1
ECG2V300	300	385	765	470	80.0	4500	.6	S11-2
ECG524V30	300	385	765	470	150	6500	1.0	S11
ECG2V420	420	560	1110	680	90.0	4500	.6	S11-2
ECG524V42	420	560	1110	680	160	6500	1.0	S11
ECG2V480	480	640	1240	750	105	4500	.6	S11-2
ECG524V48	480	640	1240	750	180	6500	1.0	S11

Overvoltage Transient Suppressors (Surge Clamping Diodes)

Unidirectional (DC)

ECG Type	Application	Reverse Standoff Voltage V_R (Volts)	Breakdown Voltage		Maximum Ratings: Clamping Voltage V_C (Volts)			Peak Pulse Power (1 msec) PP (Watts)	Fig. No.
			V_{BR} (Volts)	@ I_T (mA)	@ I_{pp} = 120 A	@ I_{pp} = 60 A	@ I_{pp} = 30 A		
ECG4900	Designed to Protect 5.0 V, TTL, DTL and MOS Circuitry	5.0	6.0	1.0	8.5	8.0	7.6	1500	S14

ECG Type	Reverse Standoff Voltage V_R (Volts)	Breakdown Voltage V_{BR} (Volts)			@ I_T (mA)	Peak Pulse Current I_{pp} (Amps)	Maximum Ratings: Clamping Voltage @ I_{pp} V_C (Volts)	Temperature Coefficient of V_{BR} (% °C)	Peak Pulse Power (1 msec) PP (Watts)	Fig. No.
		Min.	Nom.	Max.						
ECG4902	5.80	6.45	6.8	7.14	10	143	10.5	.057	1500	S14
ECG4918	11.10	12.4	13	13.7	1.0	82.0	18.2	.081	1500	
ECG4926	15.30	17.1	18	18.9	1.0	59.5	25.2	.088	1500	
ECG4928	17.10	19.0	20	21.0	1.0	54.0	27.7	.090	1500	
ECG4934	23.10	25.7	27	28.4	1.0	40.0	37.5	.096	1500	
ECG4950	43.60	48.5	51	53.6	1.0	21.4	70.1	.102	1500	
ECG4958	58.10	64.6	68	71.4	1.0	16.3	92.0	.104	1500	
ECG4988	171.0	190.0	200	210.0	1.0	5.5	274.0	.108	1500	

Bidirectional (AC)

ECG Type	Description	Abs. Max. RMS V_{AC} (Volts)	Breakdown Voltage: V_{BR} Peak Volts	@ I_T (mA)	Peak Pulse Current I_{pp} (Amps)	Maximum Ratings: Clamping Voltage @ I_{pp} V_C	Temp. Coefficient of V_{BR} (%/°C)	Peak Pulse Power (1 msec) PP (Watts)	Fig. No.
ECG4901	Designed for Bidirectional Protection of Data Transmission, Digital Controls, Computer Systems, Etc.	3.50	6.0	10	166	9.4	.051	1500	S14
ECG4903		4.00	6.8	10	143	10.5	.057	1500	S14

ECG Type	Abs. Max. RMS V_{AC} (Volts)	Breakdown Voltage V_{BR} Peak Volts			@ I_T (mA)	Peak Pulse Current I_{pp} (Amps)	Maximum Ratings: Clamping Voltage @ I_{pp} V_C (Volts)	Temp. Coefficient of V_{BR} (%/°C)	Peak Pulse Power (1 msec) PP (Watts)	Fig. No.
		Min.	Nom.	Max.						
ECG4919	7.80	12.4	13	13.7	1	82.0	18.2	.081	1500	S14
ECG4927	10.80	17.1	18	18.9	1	59.5	25.2	.088	1500	S14
ECG4929	12.00	19.0	20	21.0	1	54.0	27.7	.090	1500	S14
ECG4935	16.00	25.7	27	28.4	1	40.0	37.5	.096	1500	S14
ECG4951	30.00	48.5	51	53.6	1	21.4	70.1	.102	1500	S14
ECG4959	41.00	64.6	68	71.4	1	16.3	92.0	.104	1500	S14
ECG4989	121.0	190.0	200	210.0	1	5.5	274.0	.108	1500	S14

Note: A Surge Clamping Diode is normally selected according to the reverse "Stand Off Voltage" (VR) which should be equal to or greater than the DC or continuous peak operating level. Typical response time equals 1 pico second.

Symbols

V_R, Reverse Stand Off Voltage: Applied reverse voltage to assure a non-conductive condition. (See note)

V_{BR}, Breakdown Voltage: This is the minimum breakdown voltage the device will exhibit and is used to assure that conduction does not occur prior to this voltage level at 25°C.

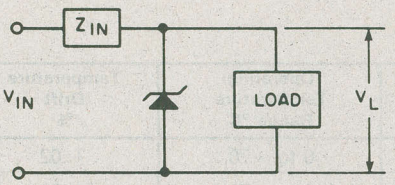
V_C, Maximum Clamping Voltage: The maximum peak voltage which will appear across the device when it is subjected to the peak pulse current in a one millisecond time interval.

PP, Peak Pulse Power at 1 msec duration.

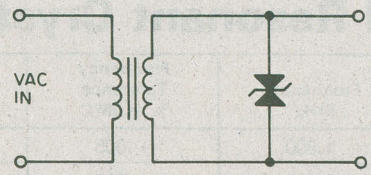
I_{pp}, Peak Pulse Current.

Typical Protection Circuits

Unidirectional (DC)



Bidirectional (AC)



Overvoltage Transient Suppressor Outlines

Fig. S11

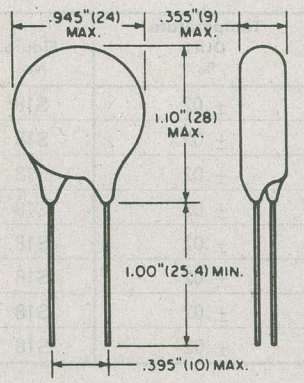


Fig. S11-1

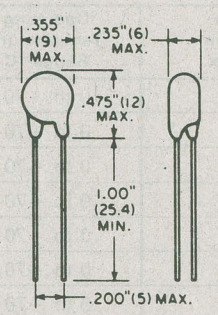


Fig. S11-2

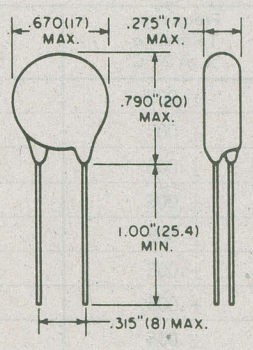
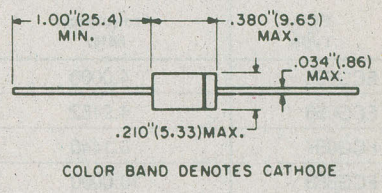


Fig. S14



Note: Bidirectional Suppressors do not have polarity bands.

Quartz Crystals

Color Subcarrier Crystals

ECG Type	Frequency MHz	Frequency Tolerance % at 25°C	Load Capacitance pF	Capacitance (Pin to Pin) pF Max.	Effective Resistance Ohms Max.	Operating Temperature Range °C	Temperature Drift %	Figure No.
ECG358	3.579545	± .003	Parallel Reson. 18 ± .5	7	100	+20 to +65	± .003	S12
ECG358A	3.579545	± .003	Series Reson.	7	100	+20 to +65	± .003	S13
ECG358B	3.579545	± .003	Parallel Reson. 34.7 ± .5	7	100	+20 to +65	± .003	S12
ECG358C	3.579545	± .005	18	--	100	0 to +70	± .005	S18

Parallel Resonant Crystals

ECG Type	Frequency MHz	Frequency Tolerance % at 25°C	Load Capacitance pF	Effective Resistance Ohms Max.	Operating Temperature Range °C	Temperature Drift %	Figure No.
ECG650	1.000	± .005	13	500	0 to +70	± .02	S17
ECG651	2.000	± .005	20	200	0 to +70	± .02	S17
ECG652	4.000	± .005	20	100	0 to +70	± .02	S18
ECG653	5.000	± .005	20	50	0 to +70	± .02	S18
ECG654	10.245	± .005	32	25	0 to +70	± .01	S18

Series Resonant Crystals

ECG Type	Frequency MHz	Frequency Tolerance % at 25°C	Effective Resistance Ohms Max.	Operating Temperature Range °C	Temperature Drift %	Figure No.
ECG655	4.0000	± .005	100	0 to +70	± .02	S18
ECG656	4.9152	± .005	50	0 to +70	± .02	S18
ECG657	6.1440	± .005	50	0 to +70	± .02	S18
ECG658	10.0000	± .005	20	0 to +70	± .02	S18
ECG659	18.0000	± .005	20	0 to +70	± .02	S18
ECG660	18.4320	± .005	20	0 to +70	± .02	S18
ECG661	20.0000	± .005	20	0 to +70	± .02	S18
ECG662	22.1184	± .005	20	0 to +70	± .02	S18

Ceramic Resonator

ECG Type	Frequency kHz	Frequency Tolerance % at 25°C	Effective Resistance Ohms Max.	Capacitance pF	Volts Max.	Figure No.
ECG649	503.5	± 1.0	30	500	50	S19

Quartz Crystal Outlines

Fig. S12 — Color Osc.

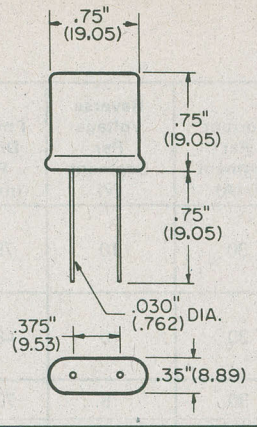


Fig. S13 — Color Burst Filter

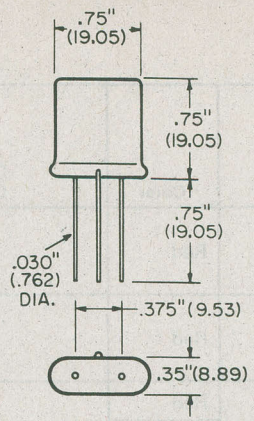


Fig. S17 — HC-33 Case

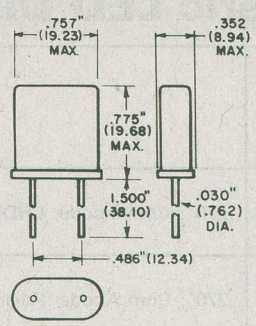


Fig. S18 — HC-18 Case

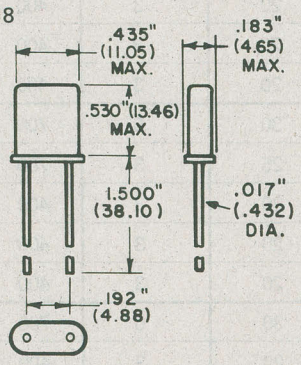
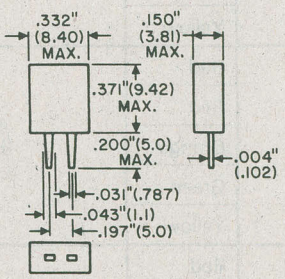


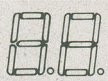
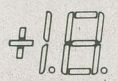
Fig. S19 — Ceramic Resonator



J

Opto-Electronic Devices

Numeric LED Displays

ECG Type	Description	Color	Digit Des.	Current Per Segment (mA)	Reverse Voltage Per Segment (V)	Power Diss. P_t (mW)	Fig. No.
ECG3050	.270"; Com Anode; LHDP	Red		30	10	750	P30
ECG3051	.270"; Com Anode; Polarity/Overflow	Red		30	10	480	P31
ECG3052	.3"; Com Anode; RHDP	Red		30	5	700	P32
ECG3053		Orange		20	3	400	
ECG3054		Green		20	3	400	
ECG3055		Yellow		20	3	400	
ECG3056	.3"; Com Cathode; RHDP	Red		30	5	700	P32
ECG3057		Red		25	3	700	
ECG3058		Orange		20	3	400	
ECG3059		Green		20	3	400	
ECG3060		Yellow		20	3	400	
ECG3061	.3"; Com Anode; LHDP	Red		30	5	700	P33
ECG3062		Orange		20	3	400	
ECG3063		Green		20	3	400	
ECG3064		Yellow		20	3	400	
ECG3065	.3"; Com Anode; Polarity/Overflow	Red		30	5	350	P34
ECG3068	.4"; Com Anode; RHDP	Red		30	5	700	P35
ECG3069	.4"; Com Cathode; RHDP	Red		30	5	700	P36
ECG3070	.4"; Com Anode; RHDP	Orange		20	5	400	P35
ECG3071	.4"; Com Cathode; RHDP	Orange		20	5	400	P36
ECG3074	.560"; Com Anode; RHDP; 2-Digit	Red		20	5	800	P37
ECG3075	.560"; Com Cathode; RHDP; 2-Digit	Red		20	5	800	
ECG3076	.560"; Com Anode; RHDP; 1-1/2 Digit	Red		20	5	650	P38
ECG3077	.560"; Com Cathode; RHDP; 1-1/2 Digit	Red		20	5	650	
ECG3078	.560"; Com Anode; RHDP	Red		20	5	400	P39
ECG3079	.560"; Com Cathode; RHDP	Red		20	5	400	
ECG3080	.8"; Com Anode; RHDP	Red		20	3	400	P40

LHDP - Left Hand Decimal Point
RHDP - Right Hand Decimal Point

Numeric LED Display Outlines

Fig. P30

ECG3050 - Red

1. A – Cathode
2. F – Cathode
3. Common Anode
4. No Pin
5. No Pin
6. Dec P_t Cathode
7. E – Cathode
8. D – Cathode
9. Common Anode
10. C – Cathode
11. G – Cathode
12. No Pin
13. B – Cathode
14. Common Anode

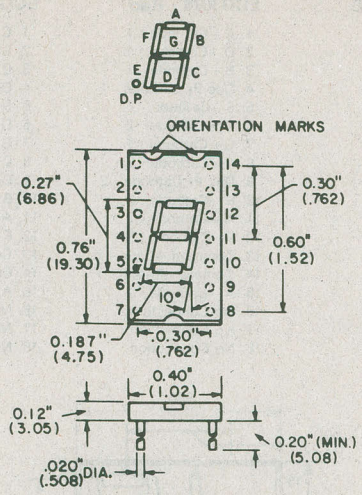


Fig. P31

ECG3051 - Red

1. Anode Common C/D
2. No Connection
3. No Connection
4. No Connection
5. No Connection
6. No Connection
7. D – Cathode
8. C – Cathode
9. No Connection
10. B – Cathode
11. A – Cathode
12. No Connection
13. No Connection
14. Anode Common A/B

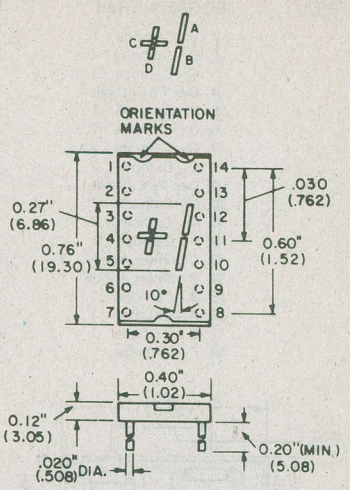


Fig. P32

ECG3052 - Red
ECG3053 - Orn
ECG3054 - Grn
ECG3055 - Yel

1. A – Cathode
2. F – Cathode
3. Common Anode
4. No Pin
5. No Pin
6. No Connection
7. E – Cathode
8. D – Cathode
9. Dec P_t Cathode
10. C – Cathode
11. G – Cathode
12. No Pin
13. B – Cathode
14. Common Anode

ECG3056 - Red
ECG3058 - Orn
ECG3059 - Grn
ECG3060 - Yel

1. F – Anode
2. G – Anode
3. No Pin
4. Common Cathode
5. No Pin
6. E – Anode
7. D – Anode
8. C – Anode
9. Dec P_t Anode
10. No Pin
11. No Pin
12. Common Cathode
13. B – Anode
14. A – Anode

ECG3057 - Red

1. No Pin
2. Common Cathode
3. F – Anode
4. G – Anode
5. E – Anode
6. D – Anode
7. No Pin
8. No Pin
9. Common Cathode
10. Dec P_t Anode
11. C – Anode
12. B – Anode
13. A – Anode
14. No Pin

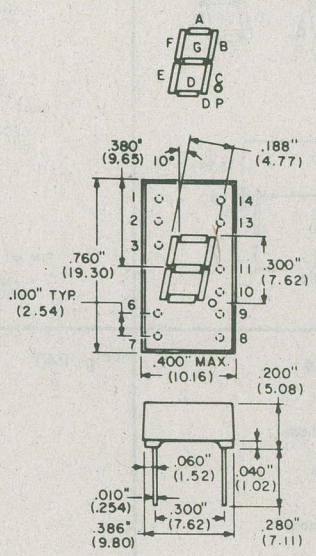


Fig. P33

ECG3061 - Red
ECG3062 - Orn
ECG3063 - Grn
ECG3064 - Yel

1. A – Cathode
2. F – Cathode
3. Common Anode
4. No Pin
5. No Pin
6. Dec P_t Cathode
7. E – Cathode
8. D – Cathode
9. No Connection
10. C – Cathode
11. G – Cathode
12. No Pin
13. B – Cathode
14. Common Anode

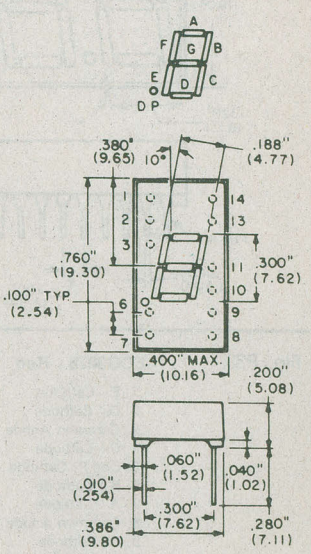


Fig. P34

ECG3065 - Red

1. Common Anode C/D
2. No Pin
3. Common Anode C/D
4. No Pin
5. No Pin
6. No Pin
7. D – Cathode
8. C – Cathode
9. No Connection
10. B – Cathode
11. A – Cathode
12. No Pin
13. No Pin
14. Common Anode A/B

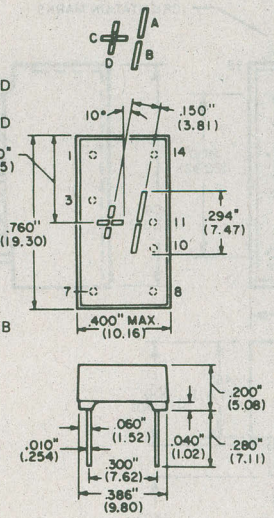


Fig. P35

ECG3068 - Red
ECG3070 - Orn

1. A – Cathode
2. F – Cathode
3. Common Anode
4. No Pin
5. No Pin
6. No Connection
7. E – Cathode
8. D – Cathode
9. Dec P_t Cathode
10. C – Cathode
11. G – Cathode
12. No Pin
13. B – Cathode
14. Common Anode

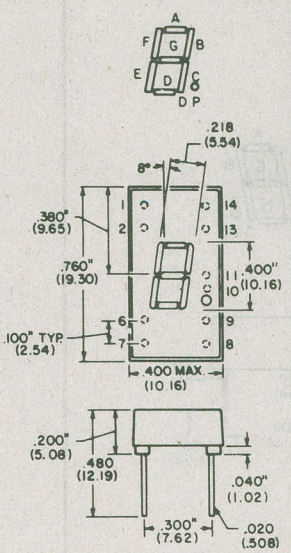
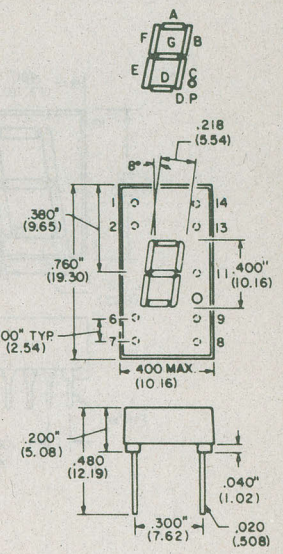


Fig. P36

ECG3069 - Red
ECG3071 - Orn

1. F – Anode
2. G – Anode
3. No Pin
4. Common Cathode
5. No Pin
6. E – Anode
7. D – Anode
8. C – Anode
9. Dec P_t Anode
10. No Pin
11. No Pin
12. Common Cathode
13. B – Anode
14. A – Anode



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Numeric LED Display Outlines (cont'd)

Fig. P37

ECG3074 - Red	ECG3075 - Red
1. E – Cathode - 1	1. E – Anode - 1
2. D – Cathode - 1	2. D – Anode - 1
3. C – Cathode - 1	3. C – Anode - 1
4. Dec Pt Cathode - 1	4. Dec Pt Anode - 1
5. E – Cathode - 2	5. E – Anode - 2
6. D – Cathode - 2	6. D – Anode - 2
7. G – Cathode - 2	7. G – Anode - 2
8. C – Cathode - 2	8. C – Anode - 2
9. Dec Pt Cathode - 2	9. Dec Pt Anode - 2
10. B – Cathode - 2	10. B – Anode - 2
11. A – Cathode - 2	11. A – Anode - 2
12. F – Cathode - 2	12. F – Anode - 2
13. Common Anode - 2	13. Common Cathode - 2
14. Common Anode - 1	14. Common Cathode - 1
15. B – Cathode - 1	15. B – Anode - 1
16. A – Cathode - 1	16. A – Anode -1
17. G – Cathode - 1	17. G – Anode - 1
18. F – Cathode - 1	18. F – Anode - 1

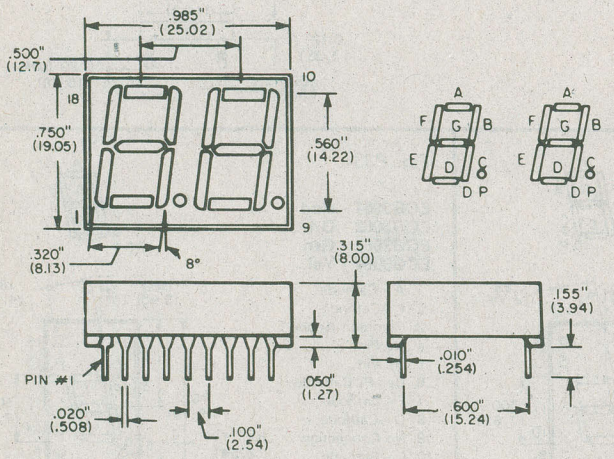


Fig. P38

ECG3076 - Red	ECG3077 - Red
1. C – Cathode - 1	1. C – Anode - 1
2. D – Cathode - 1	2. D – Anode - 1
3. B – Cathode - 1	3. B – Anode - 1
4. Dec Pt Cathode - 1	4. Dec Pt Anode - 1
5. E – Cathode - 2	5. E – Anode - 2
6. D – Cathode - 2	6. D – Anode - 2
7. G – Cathode - 2	7. G – Anode - 2
8. C – Cathode - 2	8. C – Anode - 2
9. Dec Pt Cathode - 2	9. Dec Pt Anode - 2
10. B – Cathode - 2	10. B – Anode -2
11. A – Cathode - 2	11. A – Anode - 2
12. F – Cathode - 2	12. F – Anode - 2
13. Common Anode - 2	13. Common Cathode - 2
14. Common Anode - 1	14. Common Cathode - 1
15. A – Cathode - 1	15. A – Anode - 1
16. No Connection	16. No Connection
17. No Connection	17. No Connection
18. No Connection	18. No Connection

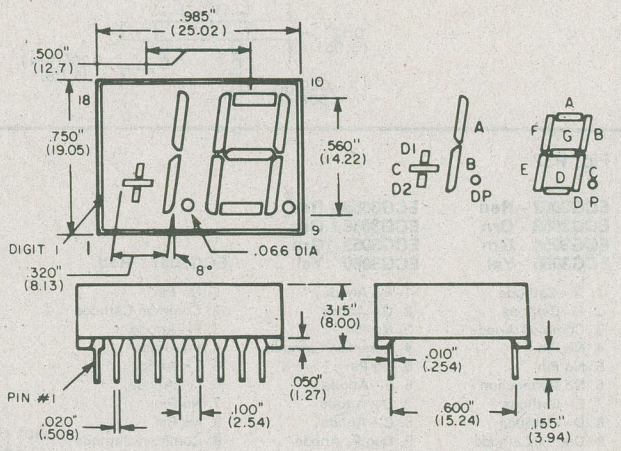


Fig. P39

ECG3078 - Red	ECG3079 - Red
1. E – Cathode	1. E – Anode
2. D – Cathode	2. D – Anode
3. Common Anode	3. Common Cathode
4. C – Cathode	4. C – Anode
5. Dec Pt Cathode	5. Dec Pt Anode
6. B – Cathode	6. B – Anode
7. A – Cathode	7. A – Anode
8. Common Anode	8. Common Cathode
9. F – Cathode	9. F – Anode
10. G – Cathode	10. G – Anode

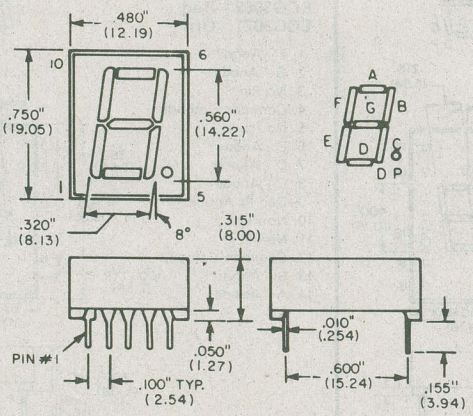
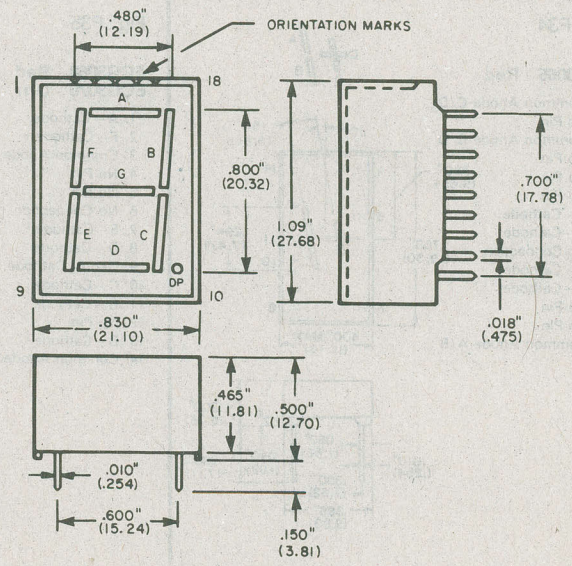


Fig. P40

ECG3080 - Red	
1. No Pin	10. Decimal Point
2. Segment A	11. Segment D
3. Segment F	12. Common Anode
4. Common Anode	13. Segment C
5. Segment E	14. Segment G
6. Common Anode	15. Segment B
7. No Connection	16. No Pin
8. No Pin	17. Common Anode
9. No Pin	18. No Pin



Bar Graph LED Displays

ECG Type	Description	Viewed Color	Total Power Dissipation P_t (mW)	Ratings Per Element				Fig. No.
				Max Forward Voltage V_F (V)	Max Reverse Voltage V_R (V)	Max Forward Current I_F (mA)	Typical Luminous Intensity MCD	
ECG3111	5-Element, Com Anode	Red	100	1.9	3	15	.15	P43
ECG3112	5-Element, Com Anode	Green	200	2.05	3	20	.20	P43
ECG3113	9-Element, Com Anode	Red	300	1.9	3	15	.30	P44
ECG3114	9-Element, Com Anode	Green	300	2.05	3	20	.20	P44
ECG3115	10-Element, Separate Anodes and Cathodes	Hi-Efficiency Red	750	2.5	3	20	2.0	P45
ECG3116	10-Element, Separate Anodes and Cathodes	Green	750	3.0	3	20	2.0	P45
ECG3117	10-Element, Separate Anodes and Cathodes	Yellow	750	3.0	3	20	2.0	P45

Outlines

Fig. P43

ECG3111 - Red
ECG3112 - Grn

1. Common Anode
2. D_1 Cathode
3. D_2 Cathode
4. D_3 Cathode
5. D_4 Cathode
6. D_5 Cathode
7. Common Anode

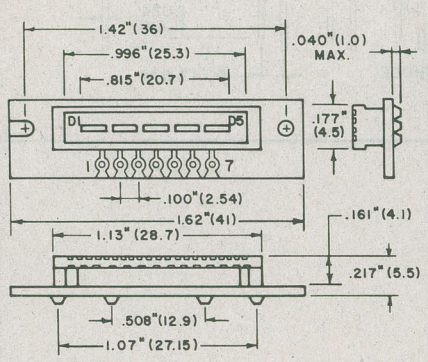


Fig. P44

ECG3113 - Red
ECG3114 - Grn

1. Common Anode
2. D_1 Cathode
3. D_2 Cathode
4. D_3 Cathode
5. D_4 Cathode
6. D_5 Cathode
7. D_6 Cathode
8. D_7 Cathode
9. D_8 Cathode
10. D_9 Cathode
11. Common Anode

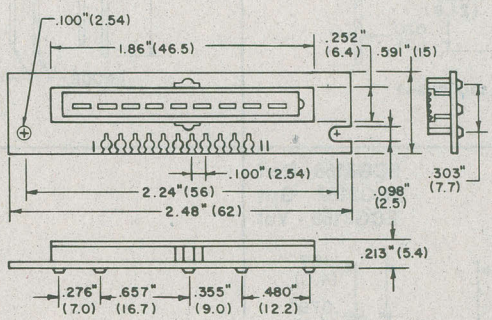
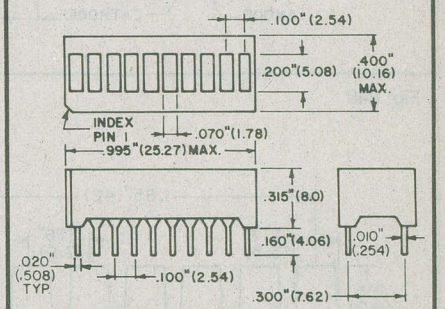


Fig. P45

ECG3115 - Red
ECG3116 - Grn
ECG3117 - Yel

1. D_1 Anode
2. D_2 Anode
3. D_3 Anode
4. D_4 Anode
5. D_5 Anode
6. D_6 Anode
7. D_7 Anode
8. D_8 Anode
9. D_9 Anode
10. D_{10} Anode
11. D_{10} Cathode
12. D_9 Cathode
13. D_8 Cathode
14. D_7 Cathode
15. D_6 Cathode
16. D_5 Cathode
17. D_4 Cathode
18. D_3 Cathode
19. D_2 Cathode
20. D_1 Cathode



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Multi-Lamp LED Arrays

ECG Type	Description	Viewed Color	Ratings Per Lamp						Fig. No.
			Max Power Dissipation P_t (mW)	Max Forward Voltage V_F (V)	Max DC Reverse Voltage V_R (V)	Max Forward Current I_F (mA)	Typical Viewing Angle Degrees	Typical Luminous Intensity MCD	
ECG3150	5 Lamp Rectangular LED Array for Bar Graph, Level and VU Meters	Red	70	1.9	3.0	30	50	.4	P41
ECG3151		Green	70	2.1	3.0	30	50	.7	P41
ECG3152		Yellow	70	2.1	3.0	30	50	1.5	P41
ECG3153		Red	70	1.9	3.0	30	50	.5	P42
ECG3154		Green	70	2.1	3.0	30	50	1.2	P42
ECG3155		Yellow	70	2.1	3.0	30	50	1.5	P42
ECG3156	7 Lamp Rectangular LED Array for Bar Graph, Level and VU Meters	Red	70	2.8	4.0	15	50	.6	P48
ECG3157		Green	90	2.8	4.0	20	50	1.5	P48
ECG3158		Yellow	90	2.8	4.0	20	50	1.5	P48

Outlines

Fig. P41

ECG3150 - Red
ECG3151 - Grn
ECG3152 - Yel

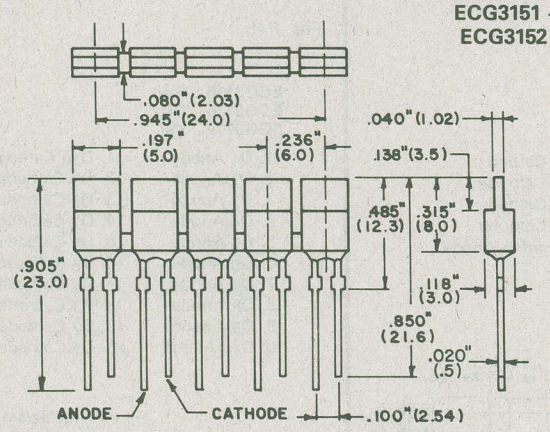


Fig. P42

ECG3153 - Red
ECG3154 - Grn
ECG3155 - Yel

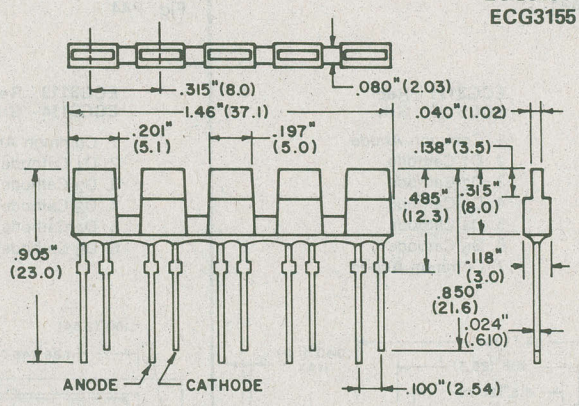
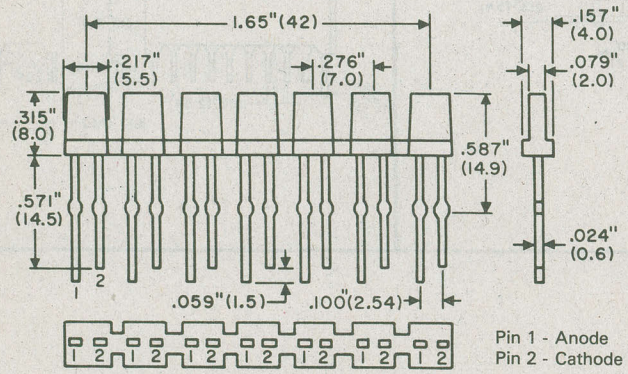


Fig. P48

ECG3156 - Red
ECG3157 - Grn
ECG3158 - Yel



Pin 1 - Anode
Pin 2 - Cathode

Discrete LED Indicators

ECG Type	Description/Application	Viewed Color	Forward Voltage V_F (V)	Reverse Voltage V_R (V)	Max DC Forward Current I_F (mA)	Maximum Power Diss. P_D (mW)	Typical Viewing Angle Degrees	Typical Luminous Intensity MCD	Qty Per Pkg	Fig. No.
ECG3000	Indicator Lights, Diagnostic and Panel Displays, Printed Circuit Board Indicators, Miniature Low Profile Package	Clear Red	1.65	5.0	40	80	80	1.4	4	P1
ECG3001		Flooded Red	1.65	5.0	40	80	80	1.0	4	P1
ECG3002		Clear Yellow	2.10	5.0	35	105	80	1.0	2	P1
ECG3003		Clear Green	2.20	5.0	35	105	80	1.0	2	P1
ECG3004	Diagnostic or Indicator Lights in Low-Power/Low Current Environments, MOS Compatible	Red	1.60	5.0	35	105	25	2.0	2	P2
ECG3007	General Purpose Indicators, Developmental Projects, Breadboards	Red	1.68	5.0	50	100	70	2.5	4	P3
ECG3008		Bright Red	2.00	5.0	35	105	90	5.0	2	P3
ECG3009		Orange	2.00	5.0	35	105	90	5.0	2	P3
ECG3010		Green	2.20	5.0	35	105	90	1.0	2	P3
ECG3011		Yellow	2.10	5.0	35	105	90	3.0	2	P3
ECG3012A	Panel Circuit Indicators, Low Drive Power, High Intensity Visible Emission	Diffused Red	2.20	4.0	25	70	30	3.5	4	P4A
ECG3013A		Clear Red Jewel	2.80	4.0	25	70	30	3.5	4	P5A
ECG3014		Diffused Green	2.15	4.0	45	125	35	3.0	2	P4
ECG3015		Clear Green Jewel	2.15	4.0	45	125	25	1.8	2	P5
ECG3016	**Two Color** Panel Circuit Indicator	Red or Green	2.10	4.0	25	75	90	.6	2	P6
ECG3018	Instruments, Printed Circuit Board Indicators, Boardmounted Panel Display	Soft Red	1.65	5.0	100	180	90	1.6	2	P7
ECG3019		Soft Red	1.65	5.0	100	180	60	3.0	2	P7
ECG3020	Computers, General Purpose Indicators, Instruments, Test Systems, Mini- and Micro-Processors, Process Controlled Industrial Systems, Sorting Machines, Assembly Equiment, Vending Machines, Telephone Equipment, Backlight Panels. High Intensity Indicators in Four Colors	Flooded Red	1.70	5.0	100	180	80	1.6	2•	P8
ECG3021		Yellow	2.10	5.0	35	105	65	6.0	2•	P8
ECG3022		Bright Red	2.00	5.0	35	105	65	6.0	2•	P8
ECG3023		Orange	2.00	5.0	35	105	65	6.0	2•	P8
ECG3024		Diffused Green	2.20	5.0	35	105	65	1.5	2•	P8
ECG3025	Instruments, Printed Circuit Board Indicators, Boardmounted Panel Display	Red	1.80	5.0	100	180	40	3.0	2•	P9
ECG3026	**Polarity** Indication Tri-State Indicator, Flow Direction Display, Instruments, Tester Displays, Educational Aids	Red or Green	1.65 - R 2.20 - G	--	70 - R 35 - G	200	50	.5 - G 1.5 - R	1•	P10
ECG3030	**Flashing Red** LED with Integral IC. Applications Include Status Indicators and Warning Lights, Pulse Rate = 3 Hz Typ at 5 VDC	Flashing Red	Max V Applied 5.25	.4	20	--	40	1.2	1	P9A
ECG3130	**Flashing Yellow** LED with Integral IC. For Status Indicators and Warning Lights, Pulse Rate = 2.5 Hz Typ at 5 V	Flashing Yellow	Max V Applied 5.25	.4	20	--	40	3	1	P9A
ECG3131	**Flashing Green** LED with Integral IC. For Status Indicators and Warning Lights, Pulse Rate = 2.5 Hz Typ at 5 V	Flashing Green	Max V Applied 5.25	.4	20	--	40	2	1	P9A

• Package includes 2 piece panel mounting grommets consisting of 1 lamp holder and 1 collar for each device.

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Discrete LED Indicators (cont'd)

ECG Type	Description/Application	Viewed Color	Forward Voltage V_F (V)	Reverse Voltage V_R (V)	Max DC Forward Current I_F (mA)	Maximum Power Diss. P_D (mW)	Typical Viewing Angle Degrees	Typical Luminous Intensity MCD	Qty Per Pkg	Fig. No.
ECG3160	**Rectangular** LEDS. Applications Include Bar Graph Displays, Level Meters, Panel Displays, Instrumentation and General Purpose Indicators	Red	1.90	3.0	30	70	50	.4	5	P12
ECG3161		Green	2.10	3.0	30	70	50	.7	5	P12
ECG3162		Yellow	2.10	3.0	30	70	50	2.0	5	P12
ECG3163		Red	1.90	3.0	30	70	50	.4	5	P13
ECG3164		Green	2.10	3.0	30	70	50	.7	5	P13
ECG3165		Yellow	2.10	3.0	30	70	50	1.5	5	P13
ECG3166		Red	1.90	3.0	30	70	50	.5	5	P14
ECG3167		Green	2.10	3.0	30	70	50	.7	5	P14
ECG3168		Yellow	2.10	3.0	30	70	50	2.0	5	P14
ECG3169	Square LED, Used as Level Indicator, Panel Display and General Purpose	Diffused Red	2.8	5.0	20	--	--	1.5	5	P49
ECG3170		Diffused Green	2.8	5.0	20	--	--	2.0	5	P49
ECG3171		Diffused Yellow	2.8	5.0	20	--	--	2.0	5	P49
ECG3172	Triangular LED, Used as Location Indicator and Line Finder	Diffused Red	2.8	4.0	25	70	50	.4	5	P50
ECG3173		Diffused Green	2.8	4.0	30	90	50	1.0	5	P50
ECG3174		Diffused Yellow	2.8	4.0	30	90	50	1.0	5	P50
ECG3180	P.C. Mount, LED, Used as Panel Indicators, Backlight Legends, Light Arrays. Mounting Grommet Supplied with Each LED	Red	2.5	5.0	35	200	120	4.5	2	P51
ECG3181		Green	3	5.0	30	200	120	4.5	2	P51
ECG3182		Yellow	2.5	5.0	25	200	120	4.5	2	P51

Discrete LED Indicator Outlines

Fig. P1
ECG3000 - Red
ECG3001 - Red
ECG3002 - Yel
ECG3003 - Grn

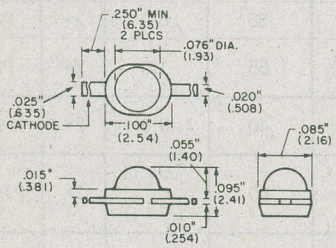


Fig. P2
ECG3004 - Red

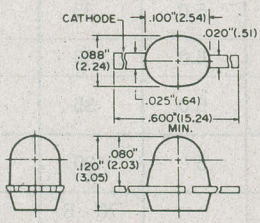


Fig. P3
ECG3007 - Red
ECG3008 - Red
ECG3009 - Orn
ECG3010 - Grn
ECG3011 - Yel

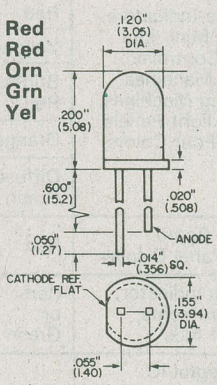


Fig. P4
ECG3012 - Red
ECG3014 - Grn

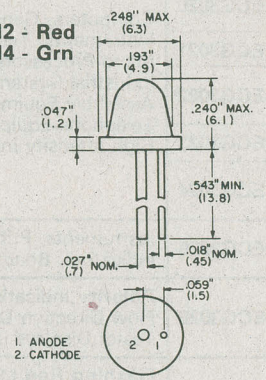


Fig. P4A
ECG3012A - Red

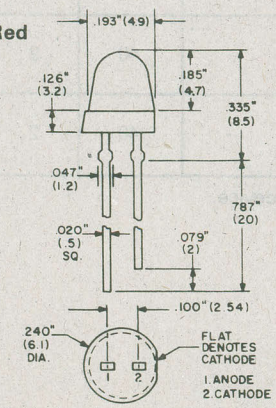


Fig. P5
ECG3013 - Red
ECG3015 - Grn

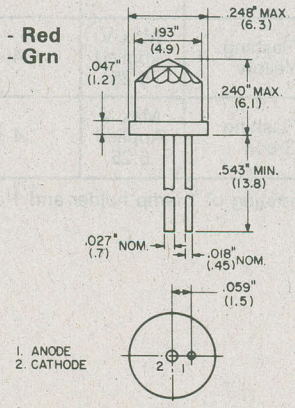
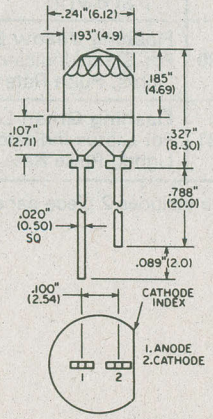


Fig. P5A
ECG3013A - Red



Discrete LED Indicator Outlines (cont'd)

Fig. P6

ECG3016 - Red or Grn

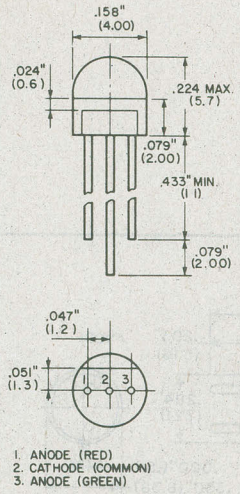


Fig. P7

ECG3018 - Red
ECG3019 - Red

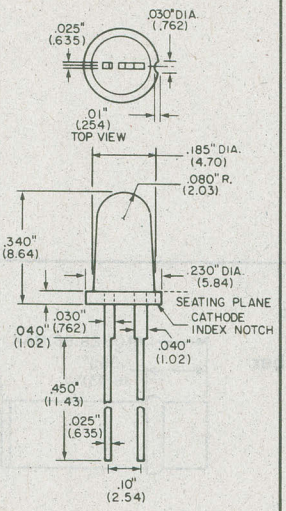


Fig. P8

ECG3020 - Red
ECG3021 - Yel
ECG3022 - Red
ECG3023 - Orn
ECG3024 - Grn

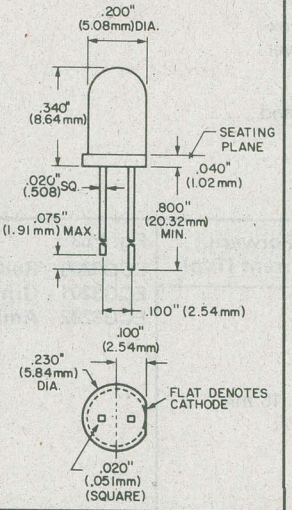


Fig. P9

ECG3025 - Red

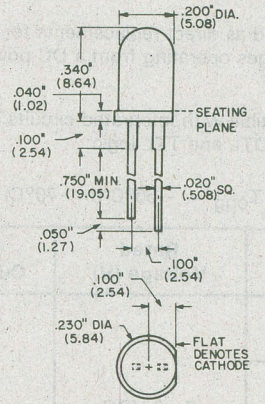
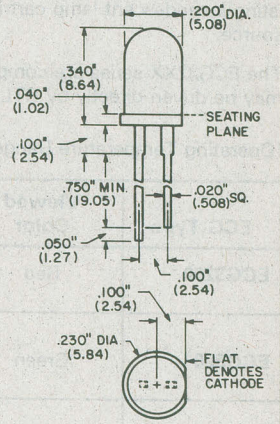


Fig. P9A

ECG3030 -• Flashing Red
ECG3130 - Flashing Yel
ECG3131 - Flashing Grn



• Alt. Fig. P11

Fig. P10

ECG3026 - Red or Grn

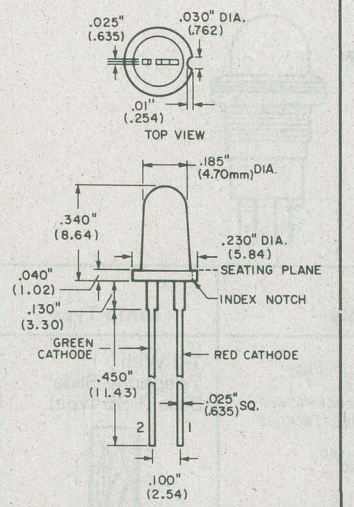
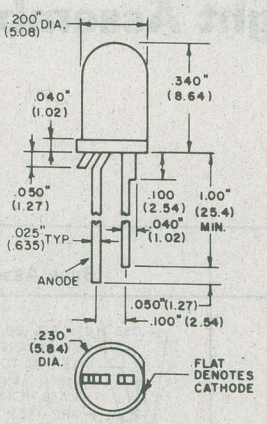


Fig. P11

ECG3030 -• Flashing Red



• Alt. Fig. P9A

Fig. P12

ECG3160 - Red
ECG3161 - Grn
ECG3162 - Yel

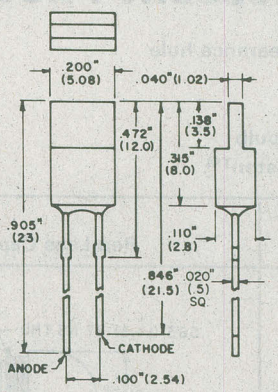


Fig. P13

ECG3163 - Red
ECG3164 - Grn
ECG3165 - Yel

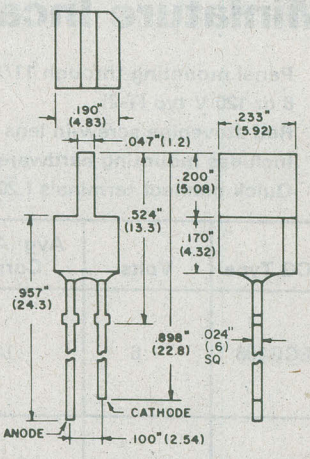


Fig. P14

ECG3166 - Red
ECG3167- Grn
ECG3168 - Yel

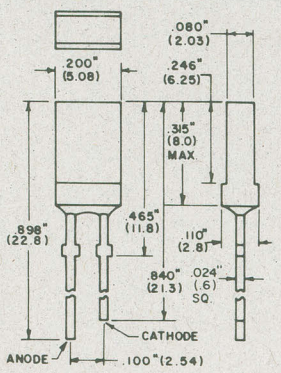


Fig. P49

ECG3169 - Red
ECG3170 - Grn
ECG3171 - Yel

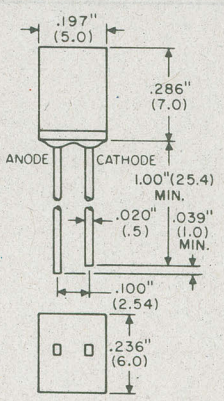


Fig. P50

ECG3172 - Red
ECG3173 - Grn
ECG3174 - Yel

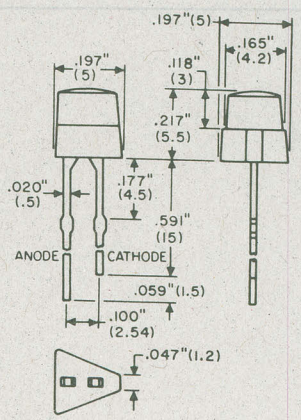
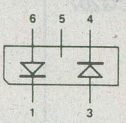
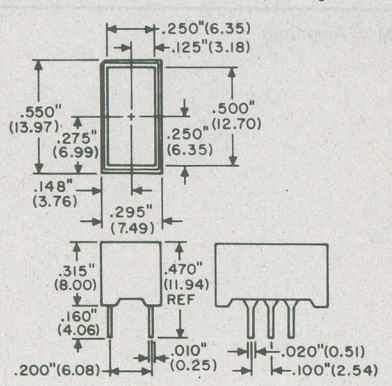


Fig. P51

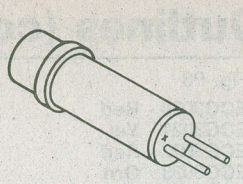
ECG3180 - Red
ECG3181 - Grn
ECG3182 - Yel





K

LED Cartridge Indicator



- **Integrated circuit compatability**
- **Solid state reliability**
- **Immune to shock and vibration**
- **Polarized; terminal base is keyed**

The ECG32XX series can be used as direct replacements for existing incandescent lamp cartridges operating from a DC power source.

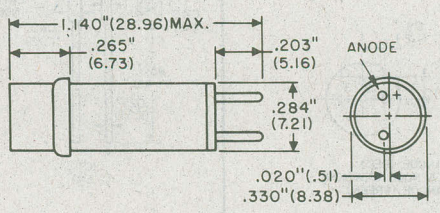
The ECG32XX series are compatible with integrated circuits and may be driven directly by RTL, DTL and TTL logic.

(Operating Temperature Range, T_{opg} = −55°C to +70°C)

ECG Type	Viewed Color	Rated Voltage (V)	Forward Current (Typ)
ECG3200	Red	5 - 6 VDC	18 mA
ECG3201	Green		
ECG3202	Amber		

Fig. P53

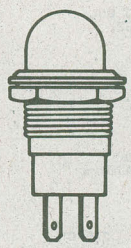
ECG3200 - Red
ECG3201 - Grn
ECG3202 - Amber



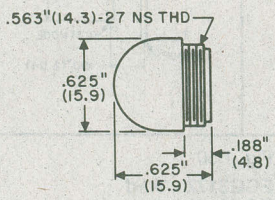
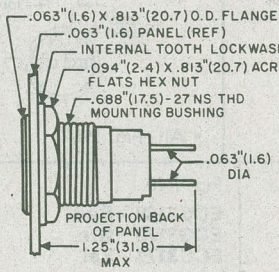
Note: Panel mounting clip included

See Page 1-386 for optional cartridge connector (ECG201)

Miniature Incandescent Pilot Light Assembly



- **Panel mounting through 11/16" clearance hole**
- **6 or 120 V typ (T-2)**
- **Red stovepipe screw-in lens cap**
- **Includes mounting hardware and bulb**
- **Quick connect terminals (.205), Faston™**

ECG Type	Volts	Avg (Amps) Current	Red Lens Cap	Base Assembly	Lamp Type
ECG206	6	.140			T-2 With Telephone Slide Base (PSB type) 
ECG207	120	.025			

TM = Amp Corp.

Infrared Emitting Diodes

ECG Type	Description	Min Power Output P_O	Max Forward Voltage V_F (V)	Reverse Voltage V_R (V)	DC Forward Current I_F (mA)	Power Diss. P/Case (m/W)	Peak Emission Wavelength λ_p (nM)	Response Time (nS)	Beam Angle θ HI (Deg)	Fig. No.
ECG3006	PN Gallium Arsenide	800 μW	1.8	3	50	75	940	500	10	P15
ECG3017	Infrared Emitting Diode for TV Remote Control, 15 mW @ $I_f = 100$ mA	15 mW	1.7	5	150	210	950	400	60	P9
ECG3027	PN Gallium Arsenide	1 mW	1.5	5	100	150	900	100	15	P16
ECG3028	PN Gallium Arsenide	200 μW	1.5	3	150	200	900	50	15	P17
ECG3029A*	PN Gallium Arsenide	2 mW	1.8	6	50	150	900	1000	30	P18A

* 2 Per Pkg.

Outlines

Fig. P9
ECG3017

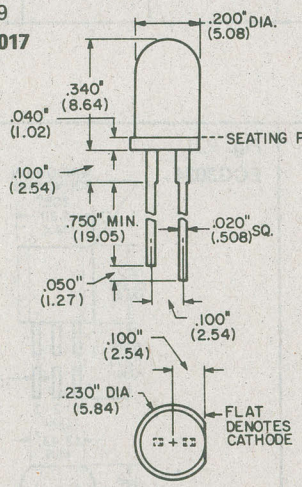


Fig. P15
ECG3006

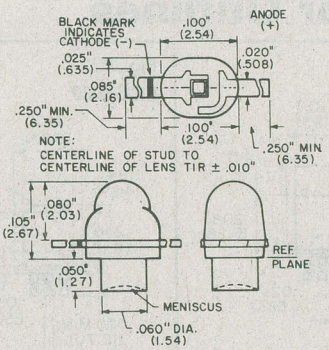


Fig. P16
ECG3027

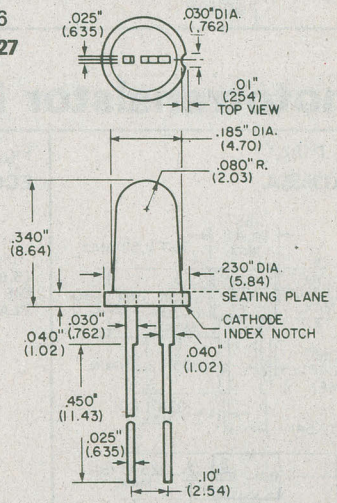


Fig. P17
ECG3028

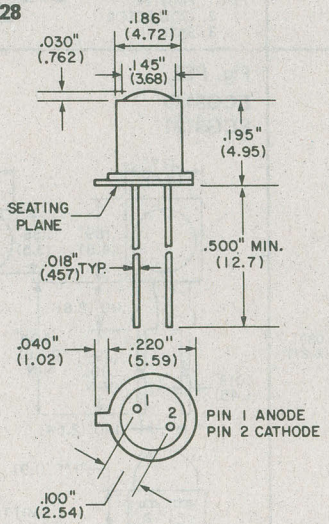
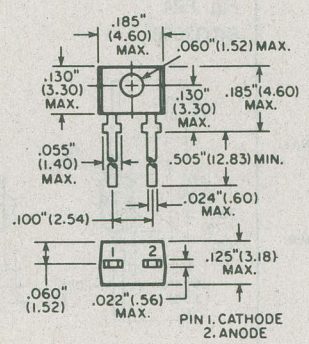


Fig. P18A
ECG3029A



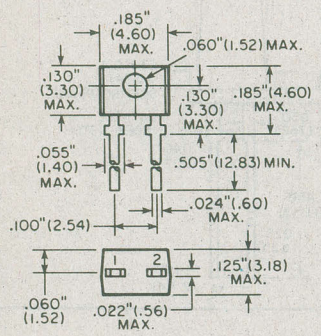
K

Phototransistor Detectors

ECG Type	Description	Collector to Base Voltage BV_{CBO} (V)	Max Collector Current I_C (mA)	Max Dark Current I_D at 25°C (nA)	Min Light Current I_L (mA)	Max Power Dissipation at 25°C P_t (mW)	Rise Time t_r (μS)	Fig. No.
ECG3031	NPN, Si, Visible and IR	80	40	20 at V_{CE} 5V	6	200	2 Typ	P19
ECG3032	NPN, Si, Visible and IR	80	40	20 at V_{CE} 5V	12	200	2 Typ	P20
ECG3034	NPN, Si, Visible and IR	60	100	100 at V_{CE} 10V	2	200	---	P21
ECG3035A	NPN, Si-Darlington Amp h_{fe} = 2.0 K, Visible and IR	60	100	100 at V_{CE} 10V	5	150	75	P18A
ECG3036	NPN, Si-Darlington, Visible and IR	40	250	100 at V_{CE} 10V	12	250	40 Typ	P22
ECG3037	NPN, Si, Visible and IR	50	50	500 at V_{CE} 30V	10	150	2 Typ	P23
ECG3038	NPN, Si-Darlington, Visible and IR	25	20	20 at V_{CE} 10V	5	50	1.5 Typ	P24
ECG3120	NPN, Si, Visible and IR	20 (V_{CEO})	20	500 at V_{CE} 10V	1	100	10 Max	P52
ECG3121	NPN, Si, Darlington Visible and IR	20 (V_{CEO})	30	500 at V_{CE} 10V	.5	100	100 Typ	P52

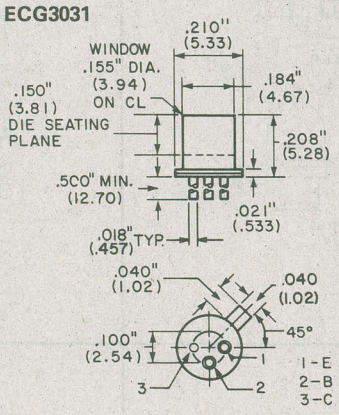
Phototransistor Detector Outlines

Fig. P18A
ECG3035A



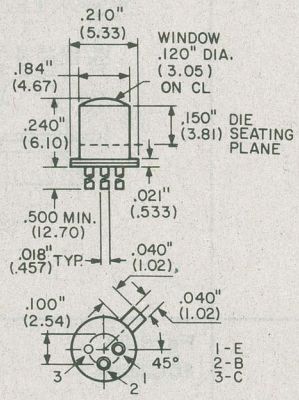
PIN 1. EMITTER
2. COLLECTOR

Fig. P19
ECG3031



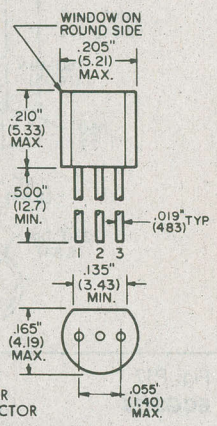
1-E
2-B
3-C

Fig. P20
ECG3032



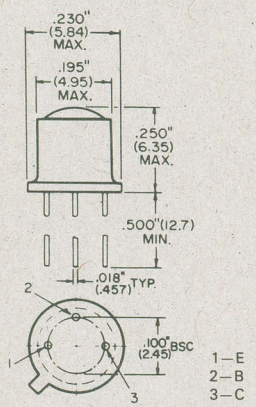
1-E
2-B
3-C

Fig. P21
ECG3034



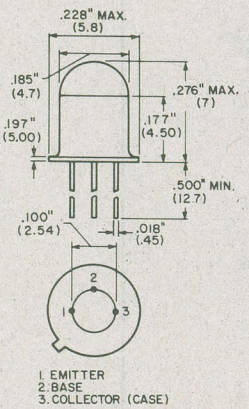
PIN 1. EMITTER
2. COLLECTOR
3. BASE

Fig. P22
ECG3036



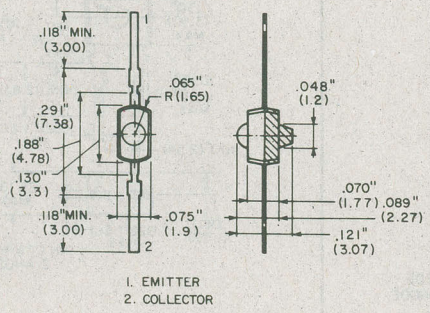
1—E
2—B
3—C

Fig. P23
ECG3037



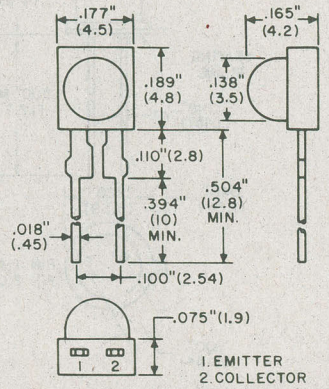
1. EMITTER
2. BASE
3. COLLECTOR (CASE)

Fig. P24
ECG3038



1. EMITTER
2. COLLECTOR

Fig. P52
ECG3120
ECG3121



1. EMITTER
2. COLLECTOR

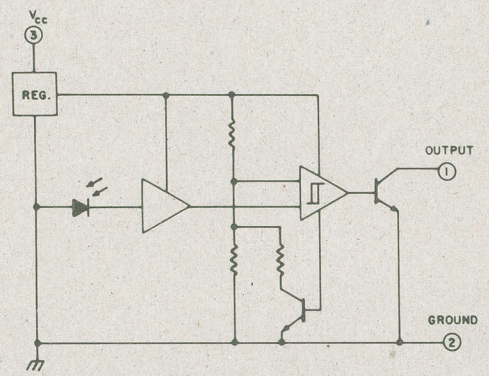
Opto-Electronic Switch — Day/Night Sensing

ECG Type	Description	Max Ratings				Typical Ratings		Ckt Diagram	Fig. * No.
		Supply Voltage V_{CC} (V)	Output Voltage V_{OUT} (V)	Output Current I_{OUT} (mA)	Power Diss. P_D (mW)	Light Threshold ON E_{ON} (Lumens/Ft²)	Light Threshold OFF E_{OFF} (Lumens/Ft²)		
ECG3039	Light/Dark Electronic Switch	15	15	50	750	5.0	5.9	S	P46 P46A

* May be shipped in either case style.

Circuit

Diag. S



Outlines

Fig. P46 ECG3039

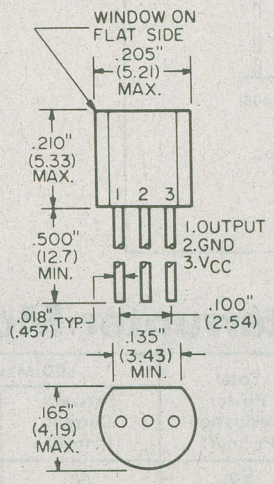
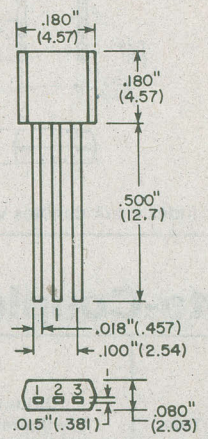
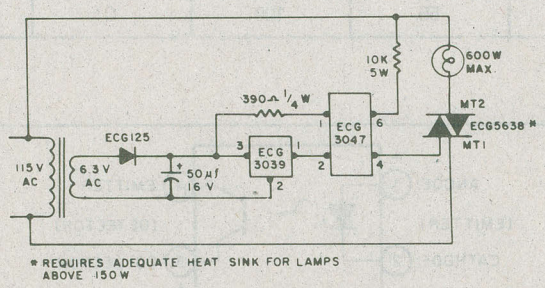


Fig. P46A ECG3039



Typical Application



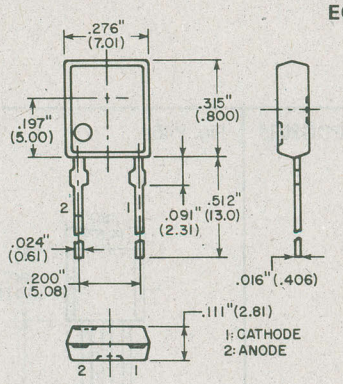
K

Infrared Detector Diodes

ECG Type	Description	Reverse Voltage V_R (V)	Max. Dark Current I_D (nA)	Min Light Current I_L (μA)	Power Dissipation P_D (mW)	Rise Time t_r (nS)	Typ Detection Angle	Typ Detection Wavelength (nm)	Fig. No.
ECG3033	Infrared PIN Detector Diode	30	50	35	100	50	65°	900	P54

Outline

Fig. P54 ECG3033



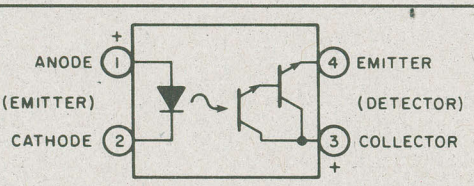
Note: Index mark denotes window side.

Opto-Coupled Interrupter Modules

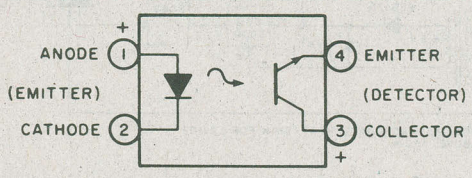
ECG Type	Output Configuration	Total Power Dissipation P_t (mW)	LED Max Ratings		Collector To Emitter Voltage BV_{CEO} (V)	Collector Current I_C (mA)	Ckt. Diagram	Fig. No.
			Forward Current I_F (mA)	Reverse Voltage V_R (V)				
ECG3100	NPN Transistor	250	60	6	55	100	D	P25
ECG3101	NPN Darlington	250	60	6	55	100	C	P25
ECG3102	NPN Transistor	250	60	6	55	100	D	P26
ECG3103	NPN Darlington	250	60	6	55	100	C	P26

Circuits

Diag. C — ECG 3101 3103



Diag. D — ECG 3100 3102



Outlines

Fig. P25 — ECG 3100 3101

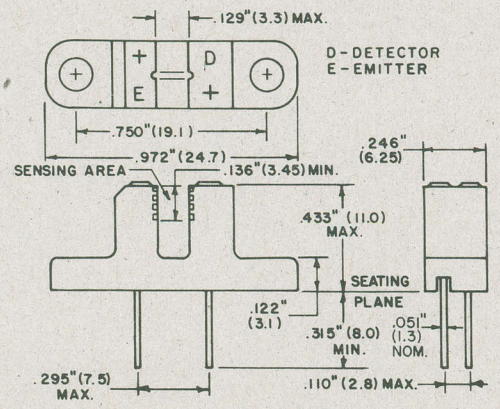
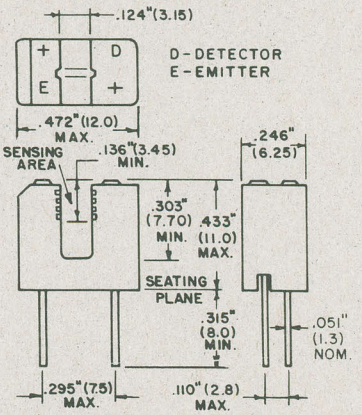


Fig. P26 — ECG 3102 3103



Optoisolators

Phototransistors		Total Device Ratings			LED Max Ratings		Phototransistor Ratings					
ECG Type	Output Configuration	Isolation Voltage V_{iso} Surge (V)	Total Power P_t (mW)	DC Current Transfer Ratio % *	Forward Current I_F (mA)	Reverse Voltage V_R (V)	Collector to Base Voltage BV_{CBO} (V)	Collector to Emitter Voltage BV_{CEO} (V)	Collector Current I_C (mA)	Typ Freq KHz	Ckt. Diag.	Fig. No.
ECG3040	NPN Transistor	7500	250	20	80	3	70	30	3.5 Typ	300	A	P28
ECG3041	NPN Transistor	7500	250	100	60	6	70	30	100 Max	150	A	
ECG3042	NPN Transistor	7500	250	20	60	3	70	30	50 Max	150	A	
ECG3043	NPN Transistor	3550	260	70	60	3	70	80	50 Max	100	A	
ECG3044	NPN Darlington	7500	300	300	80	3	--	80	150 Max	75	B	
ECG3045	NPN Darlington	7500	300	500	80	3	--	80	150 Max	75	B	
ECG3081	NPN Transistor	6000	250	20	60	3	--	30	100	100	D	P27
ECG3082	NPN Darlington	6000	250	400	60	3	--	30	100	75	C	
ECG3083	NPN Darlington	7500	250	100	60	3	55	55	100	75	E	P28
ECG3084	NPN Darlington	7500	250	200	60	3	30	30	100	75	E	
ECG3086	NPN Dual Transistor	7500	400	50	60	3	--	30	30	200	F	P29
ECG3088	NPN Transistor	7500	300	20	60	6	300	300 (BV_{CER})	100	200	A	P28
ECG3089	NPN Transistor	7500	300	20	60	--	70	30	100	200	M	
ECG3096	Low Input Drive NPN Transistor	7500	300	50 @ I_F 1 mA	60	6.0	70	30	100	200	A	

* DC Current Transfer Ratio is the output transistor collector current divided by the LED forward current - $h_{FE} = I_C / I_F$

Photothyristors		Total Device Ratings		LED Max Ratings		Photothyristor Ratings						
ECG Type	Output Configuration	Isolation Voltage V_{iso} Surge (V)	Power P_t (mW)	Forward Current I_F (mA)	Reverse Voltage V_R (V)	V_{DRM} (V)	I_T RMS (mA)	I_{FT} (mA)	V_F (on) (V) 100 mA	I_{HOLD} (mA)	Ckt. Diag.	Fig. No.
ECG3046	SCR	3550	260	60	3	400	100	14	1.3	.5	G	P28
ECG3047	TRIAC	7500	330	50	3	250	100	10	3.0	.1	H	
ECG3048	TRIAC	7500	330	50	3	400	100	10	3.0	.1	H	
ECG3049	TRIAC with Zero Crossing Circuit	7500	330	50	3	250	100	15	3.0	.1	J	
ECG3091	SCR	4000	400	60	6	400	300	11	1.3 at 300 mA	.5	G	
ECG3097	TRIAC with Zero Crossing Circuit	7500	300	50	6	400	100	15	3.0	.2	J	

Photo FET		Total Device Ratings		LED Max Ratings		Photo FET Ratings						
ECG Type	Output Configuration	Isolation Voltage V_{iso} Surge (V)	Power P_t (mW)	Forward Current I_F (mA)	Reverse Voltage V_R (V)	Drain to Source Breakdown Voltage BV_{DSS} (V)	Drain Current I_D (mA)	RDS_{on} (Ohms)	T_{on} (μsec)	T_{off} (μsec)	Ckt. Diag.	Fig. No.
ECG3085	FET	2500	300	60	6	$\pm$30	$\pm$100	200	15	15	K	P28

TTL Compatible Photo Coupled Logic Gates		Total Device Ratings		LED Ratings		Output Ratings					
ECG Type	Output Configuration	Isolation Voltage V_{iso} (V)	Power P_t (mW)	Forward Current I_F (mA)	Reverse Voltage V_R (V)	Max Supply Voltage V_{CC} (V)	Output Current I_O (mA)	Propagation Delay Time (nsecs)	Enable Voltage V_E (V)	Ckt. Diag.	Fig. No.
ECG3087	Hi Speed Open Collector, NAND Gate	3000	100	10	5.0	5.0	50	75	5.0	L	P29
ECG3094	Dual Hi Speed Open Collector, NAND Gates	3000	60	15	5.0	5.0	16 Per Channel	75	--	Q	

K

Optoisolators (cont'd)

TTL Compatible Phototransistors		Device Ratings		LED Max Ratings		Output Ratings					Ckt. Diag.	Fig. No.
ECG Type	Output Configuration	Isolation Voltage V_{iso} (V)	Power P_t (mW)	Forward Current I_F (mA)	Reverse Voltage V_R (V)	Max V_{cc} (V)	Current Transfer Ratio % *	Output Current I_o (mA)	Propagation Delay Time (nsec)	Data Transfer Rate Mbit/sec		
ECG3092	Open Collector NPN Transistor	3000	100	25	5	15	15	8	800	1	O	P29
ECG3093	NPN Split Darlington	3000	100	20	5	18	400	60	t_{PHL} 1 μsec t_{PLH} 7 μsec	100K	P	
ECG3095	Dual Open Collector, NPN Transistors	3000	100	25	5	15	15	8	800	1	R	

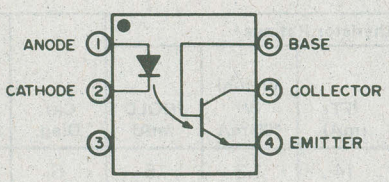
* DC Current Transfer Ratio is the output transistor collector current divided by the LED forward current - $h_{FE} = I_C / I_F$

ECG Type	Output Configuration	Total Device Ratings		Led Max Ratings		Output Ratings					Ckt. Diag.	Fig. No.
		Isolation Voltage V_{iso} Surge (V)	Power P_t (mW)	Forward Current I_F (mA)	Reverse Voltage V_R (V)	V_{cc} Voltage Range (V)	Output Voltage V_o (V)	Output Current I_o (mA)	Turn-On Time Ton (μsec)	Turn-Off Time Toff (μsec)		
ECG3090	Schmitt Trigger	7500	150	60	6	3V to 15V	15 max	50 max	1.2 typ	1.2 typ	N	P28

Optoisolator Circuits

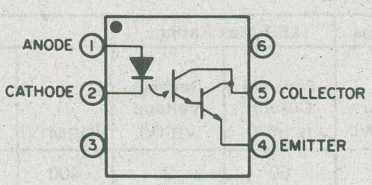
Diag. A — Fig. P28

ECG 3040 3041 3042 3043 3088 3096



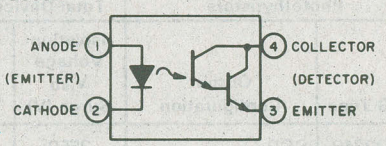
Diag. B — Fig. P28

ECG 3044 3045



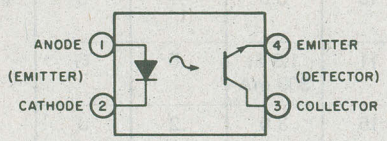
Diag. C — Fig. P27

ECG3082



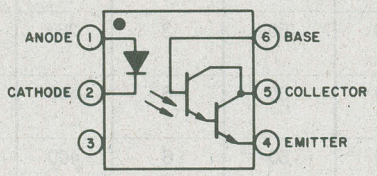
Diag. D — Fig. P27

ECG3081



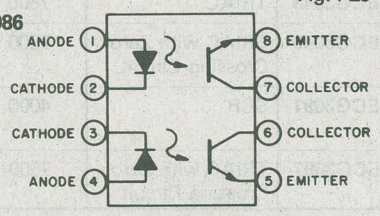
Diag. E — Fig. P28

ECG 3083 3084



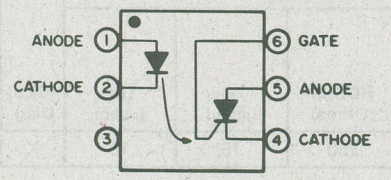
Diag. F — Fig. P29

ECG3086



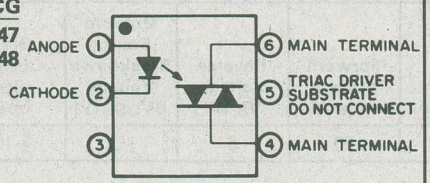
Diag. G — Fig. P28

ECG 3046 3091



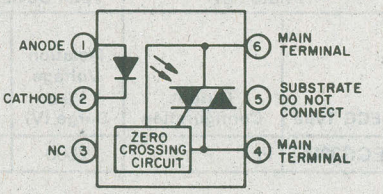
Diag. H — Fig. P28

ECG 3047 3048



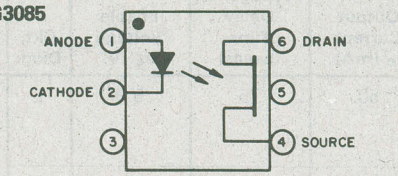
Diag. J — Fig. P28

ECG 3049 3097



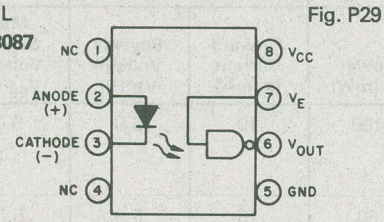
Diag. K — Fig. P28

ECG3085



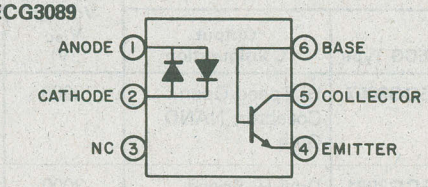
Diag. L — Fig. P29

ECG3087



Diag. M — Fig. P28

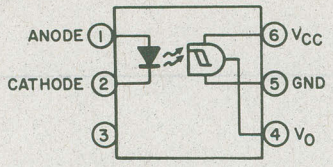
ECG3089



Optoisolator Circuits (cont'd)

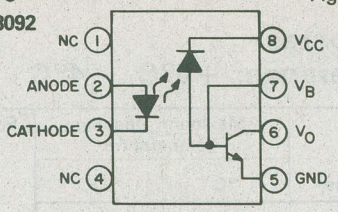
Diag. N — Fig. P28

ECG3090



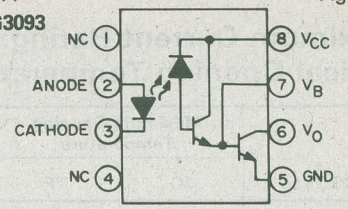
Diag. O — Fig. P29

ECG3092



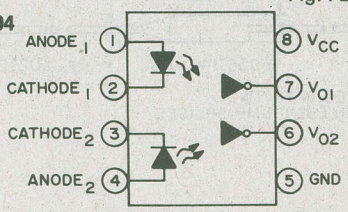
Diag. P — Fig. P29

ECG3093



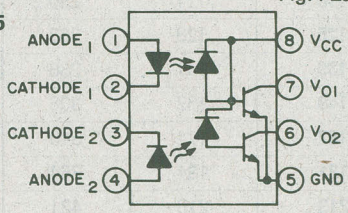
Diag. Q — Fig. P29

ECG3094



Diag. R — Fig. P29

ECG3095



Optoisolator Outlines

Fig. P27

ECG

3081
3082

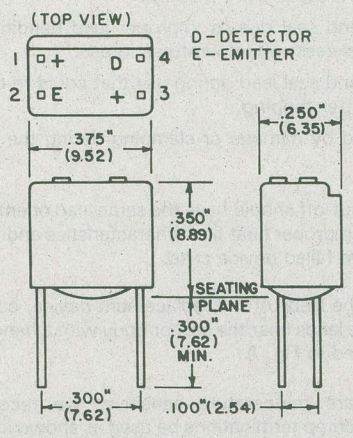


Fig. P28

ECG

3040
3041
3042
3043
3044
3045
3046
3047
3048
3049
3083
3084
3085
3088
3089
3090
3091
3096
3097

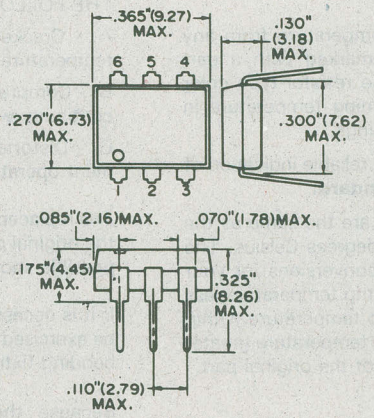
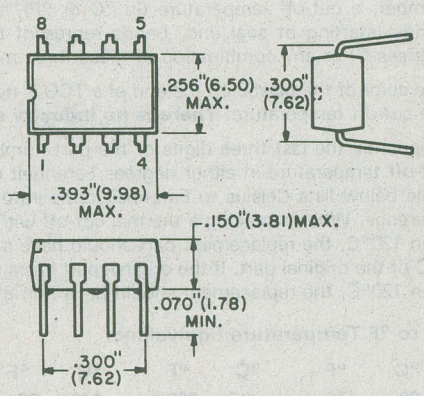


Fig. P29

ECG

3086 **3093**
3087 **3094**
3092 **3095**



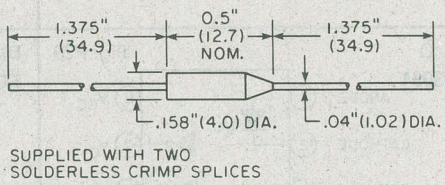
K

Thermal Cutoffs

Maximum Current Rating: 15 Amperes
Typical Opening Temperature Tolerance: +0°C, −4°C

ECG Type	Maximum Opening Temperature °C	°F	ECG Type	Maximum Opening Temperature °C	°F
ECG8063	66	151	ECG8115	117	243
ECG8070	72	162	ECG8118	121	250
ECG8076	77	171	ECG8125	128	263
ECG8081	84	184	ECG8139	141	286
ECG8085	87	189	ECG8149	152	306
ECG8090	93	200	ECG8167	171	340
ECG8096	98	209	ECG8181	184	364
ECG8098	100	212	ECG8213	216	421
ECG8103	104	220	ECG8226	228	443
ECG8108	109	229	ECG8242	240	464

Fig. C1



SUPPLIED WITH TWO SOLDERLESS CRIMP SPLICES

Replacement Procedures and Precautions

Proper Identification Of Part To Be Replaced.

It is important to determine the correct cut-off temperature from any available information. The original part may be marked with a part number, a cut-off temperature (in °C or °F), three resistor-type color bands (starting at seal end, bands represent opening temperature in degrees C) or any combination of these three markings.

The color of the plastic on the end of a TCO is not a reliable indication of the cut-off temperature. **There is no industry standard.**

Frequently the last three digits of the part number are the same as the cut-off temperature in either degrees Farenheit or degrees Celsius. The table below lists Celsius to Farenheit temperature conversions for your reference. When replacing a thermal cut-off with a trip temperature less than 120°C, the replacement part should have a trip temperature within 4°C of the original part. If the original part has a trip temperature greater than 120°C, the replacement should be within 8°C of the original part.

°C to °F Temperature Equivalents

°C	°F	°C	°F	°C	°F	°C	°F
60	140	95	203	140	284	210	410
65	149	100	212	150	302	220	428
70	158	105	221	160	320	230	446
75	167	110	230	170	338	240	464
80	176	115	239	180	356	250	482
85	185	120	248	190	374		
90	194	130	266	200	392		

Replacement Techniques

THE THERMAL CUT-OFF CAN FAIL TO OPEN IF ONE OR MORE OF THE FOLLOWING CONDITIONS ARE PRESENT:

A. - Cracked or broken end seal due to improper lead bending, over-temperature soldering or excessive temperatures in use.

B. - Compression on the end seal lead during use that could re-establish continuity with the case after tripping.

C. - Distorted case caused by damage or clamping during the replacement operation.

The replacement thermal cut-off should have the same lead orientation as the original part to maintain proper heat flow characteristics and to avoid possible shock hazard from failed device case.

If it is necessary to bend the leads of the replacement device, care must be exercised to support the leads near the seal or body with a hand tool or bending fixture as illustrated in Fig. A.

Because these devices are temperature sensitive, we recommend solderless crimp splices or crimp terminations be used as shown in Fig. B. If the leads of the original device are long enough, cut the defective part out at the seal and body. The replacement part can then be installed to the original part leads using the seamless crimp splices supplied with the ECG replacement.

Thermal cut-off leads can be soldered using a heat sink between the thermal cut-off body and the point of connection as shown in Fig. C. Excessive heat could shorten the thermal cut-off life, causing a nuisance trip.

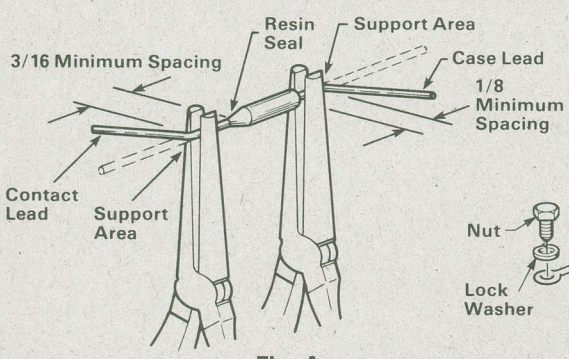


Fig. A.

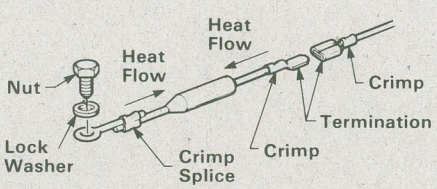


Fig. B

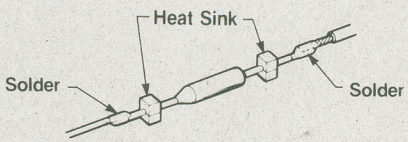


Fig. C

Automatic Resetting Circuit Breakers

Typical Operating Characteristics ($T_A = 25°C$, Maximum Voltage 125 VAC, 18 V DC)			
ECG Type	**Hold Current (Amps)**	**Trip Current (Amps)**	**Trip Time (Secs)**
ECG202	1	2	5-40
ECG204	2	4	10-60
ECG205	3	6	10-60

Fig. C2

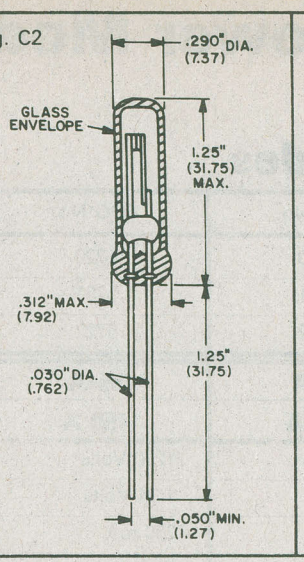
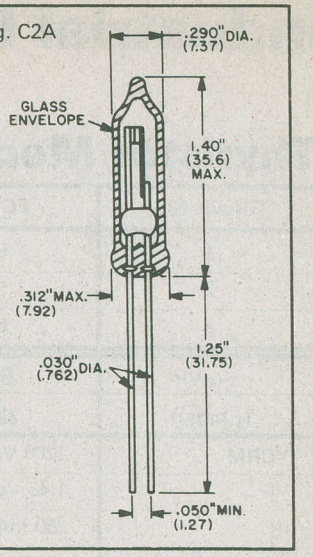
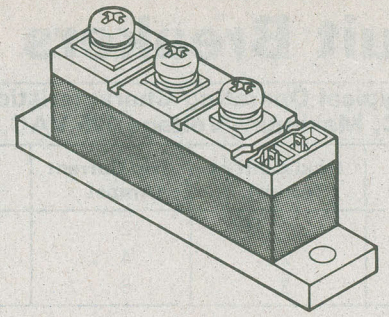


Fig. C2A



L

Industrial Power Modules



Thyristor Modules

Circuit No.	ECG No.	ECG No.
1	5710	5720
2	5711	5721
3	5712	5722
$I_{T(AV)}$*	**65 A**	**95 A**
$I_{T(RMS)}$*	**120 A**	**150 A**
V_{DRM}	1200 Volts	1200 Volts
V_F	1.45 Volts	1.34 Volts
I_H	250 mA	250 mA
I_{TSM} (1 Cycle)	1500 A	1900 A
I^2T	9300 A^2sec	15000 A^2sec
R_{THCS}	.08 °C/W	.08 °C/W
T_J (Max)	+125 °C	+140 °C
dv/dt	200 V/μsec	200 V/μsec
T_q	150 μsec	150 μsec
V_{GT} (Max)	1.5 Volts	1.5 Volts
I_{GT} (Max)	200 mA	200 mA
P_{GT} (Max)	20 W	20 W
Terminal Torque	35-50 In. Lb.	35-50 In. Lb.

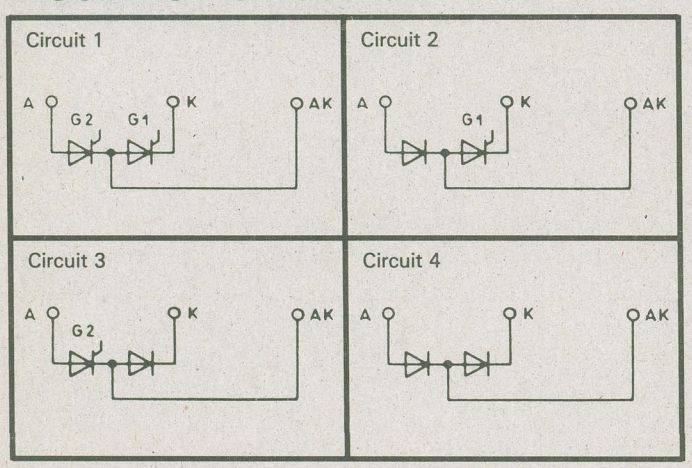
* Per SCR or Rectifier

Rectifier Modules

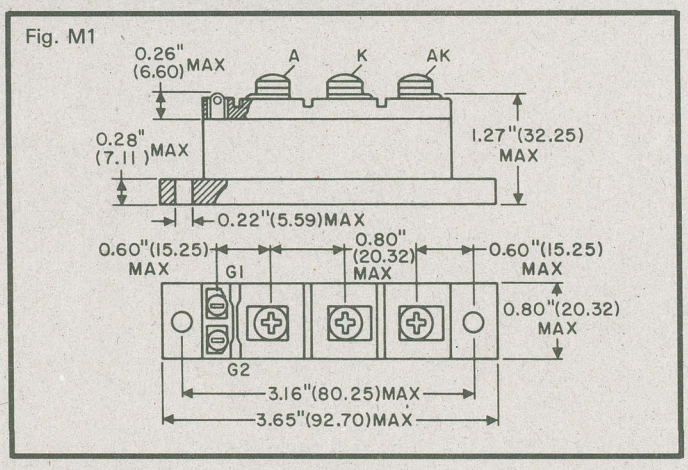
Circuit No.	ECG No.	ECG No.
4	6220	6230
$I_{F(AV)}$*	**65 A**	**95 A**
$I_{F(RMS)}$*	**105 A**	**150 A**
V_{DRM}	1200 V	1200 V
I_{FSM} (1 Cycle)	1000 A	3600 A
I^2T	5000 A^2sec	6500 A^2sec
V_F	1.25 V	1.15 V
T_J (Max)	150 °C	150 °C
R_{THCS}	.08 °C/W	.08 °C/W
Terminal Torque	35-50 In. Lb.	35-50 In. Lb.

* Per Rectifier

Phase Control Thyristor and Rectifier Circuits

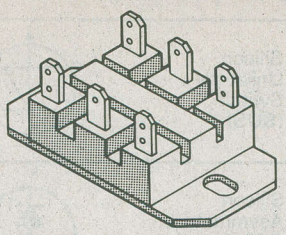


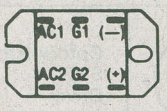
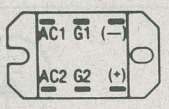
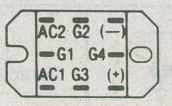
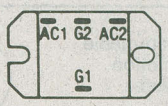
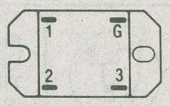
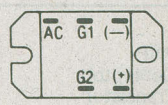
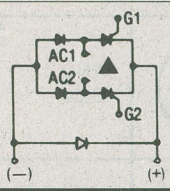
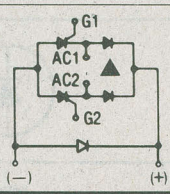
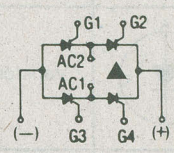
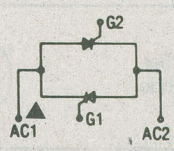
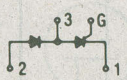
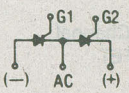
Module Outline



Industrial Power Modules (cont'd)

Hybrid Modules



ECG No.	5700	5701	5702	5703	5704	5705
Description	Single Phase, Hybrid Bridge, Common Cathode, Freewheeling Diode	Single Phase, Hybrid Bridge, Common Anode, Freewheeling Diode	Single Phase All SCR Bridge	SCR AC Switch	Hybrid Doubler	SCR Doubler
Terminal Positions						
Schematic Diagrams						

▲ For transient protection a metal oxide varistor (MOV) may be connected across Terminals AC1 and AC2 externally.

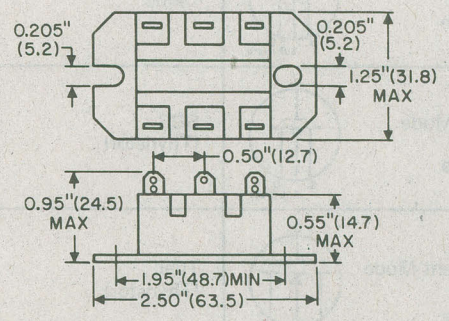
Electrical Characteristics

Symbol	Rating	Unit
V_{DRM}	1200	V
$I_{T\ (AV)}$*	12.5	A
$I_{T\ (RMS)}$*	28	A
I_o†	25	A
I_{TSM} (1 Cycle)	375	A
I^2T	580	A^2sec
V_F (Max)	1.35	V
I_h	100	mA
P_{GT} (Max)	11	W
I_{GT} (Max)	60	mA
V_{GT} (Max)	2	V
dv/dt	200	V/μsec
V_{ISO}	2500	V
Terminal Torque	35-50	In. Lb.

* Per SCR or Rectifier
† Rating for ECG5700, ECG5701 and ECG5702 only

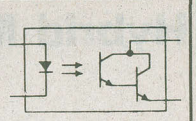
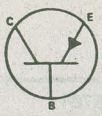
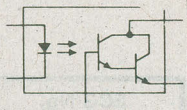
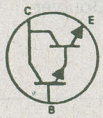
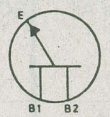
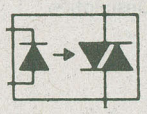
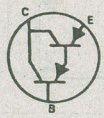
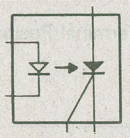
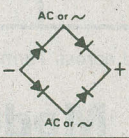
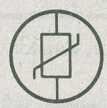
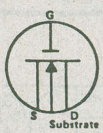
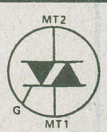
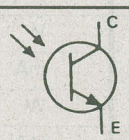
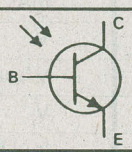
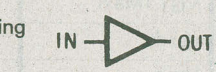
Module Outline

Fig. M2



M

Symbols, Terms and Definitions

NPN Bipolar Transistor 	P-Channel Enhancement Mode MOS FET Dual Gate 	Silicon Unilateral Switch (SUS) 	Optoisolator with Photo-Darlington Output, No Base 
PNP Bipolar Transistor 	Silicon N-Type Unijunction Transistor (UJT) 	Silicon Asymmetrical Switch (SAS) 	Optoisolator with Photo-Darlington Output, and Base 
NPN Darlington Transistor 	Silicon P-Type Unijunction Transistor (UJT) 	PIN Diode 	Optoisolator Triac Driver 
PNP Darlington Transistor 	Programmable Unijunction Transistor (PUT) 	Varactor 	Optoisolator SCR Driver 
N-Channel J FET 	Rectifier or Diode 	Varistor 	AND Gate 
P-Channel J FET 	Full-Wave Bridge Rectifier 	Metal Oxide Varistor (MOV) 	OR Gate 
N-Channel Depletion Mode MOS FET Single Gate 	Zener Diode 	Light Emitting Diode (LED) 	NAND Gate 
P-Channel Depletion Mode MOS FET Single Gate 	SCR (Thyristor) 	Photodiode 	NOR Gate 
N-Channel Enhancement Mode MOS FET Single Gate 	Triac (Thyristor) 	NPN Phototransistor, No Base Connection 	Inverting AMP 
P-Channel Enhancement Mode MOS FET Single Gate 	Diac (Bilateral Trigger Diode) 	NPN Phototransistor, with Base Connection 	Non-Inverting AMP 
N-Channel Depletion Mode MOS FET Dual Gate	Silicon Controlled Switch (SCS) (Thyristor)	Optoisolator with Photodiode Output	Exclusive OR Gate
P-Channel Depletion Mode MOS FET Dual Gate	Silicon Controlled Switch (Transistor) (SCS)	Optoisolator with Phototransistor Output, No Base Connection	
N-Channel Enhancement Mode MOS FET Dual Gate	Silicon Bilateral Switch (SBS)	Optoisolator with Phototransistor Output, and Base Connection	

Diodes, Rectifiers, Thyristors

C_t — Total Capacitance - The Total Small-Signal Capacitance Between The Diode Terminals.

d_i/d_t — Rate Of Change Of Current Versus Time.

d_v/d_t — Rate Of Change Of Voltage Versus Time.

I_F — Forward Junction Current - The Value Of DC Current That Flows Through A Semiconductor Diode Or Rectifier Diode In The Forward Direction.

I_{FRM} — Peak Forward Current Repetitive Peak - The Peak Value Of The Forward Current Including All Repetitive Transient Currents.

I_{FSM} — Forward Surge Peak DC Current - Maximum (Peak) Surge Forward Current Having A Specified Waveform And A Short Specified Time Interval.

$I_{GT\ Min}$ — Gate Trigger Current - Minimum Gate DC Current Required To Trigger The Device Under The Conditions Specified.

$I_{GO\ Max}$ — Peak Gate Turn-Off Current - Maximum Negative Gate Current Required To Switch Off.

I_H — Holding Current - Anode Current Necessary To Maintain On-State.

I_O — Average Rectifier DC Forward Current - The Value Of The Forward Current Averaged Over A 180° Conduction Angle At 60 Hz.

I_R — DC Reverse Current - Value Of DC Current That Flows Through The Diode In The Reverse Direction. (Leakage Current.)

I_{RM} — Maximum Reverse DC Current - The Respective Value Of Current That Flows Through The Junction In The Reverse Direction.

I_{trms} — Continuous On-State Current.

I_{tsm} — Surge (Non-Repetitive) Peak On-State Current - A Surge Current Of Short-Time Duration.

L_S — Series Inductance - The Inductance Between The Terminals On The Diode.

PRV — Peak Reverse Voltage - Maximum Repetitive Peak Reverse Blocking Voltage That May Be Applied To The Anode-Cathode Of The Device.

R_S — Series Resistance - The Total Small Signal Resistance Between The Diode Terminals.

T_A — Ambient Temperature - The Air Temperature Measured Below A Device, In An Environment Of Substantially Uniform Temperature, Cooled Only By Natural Air Convection And Not Materially Affected By Reflective And Radiant Surfaces.

T_C — Case Temperature - The Temperature Measured At A Specified Location On The Case Of A Device.

T_j — Semiconductor Junction Temperature.

T_Q — Turn Off Time.

t_{rr} — Reverse Recovery Time - The Time Required For The Current Or Voltage To Recover To A Specified Value After Instantaneous Switching From A Stated Forward Current Condition To A Stated Reverse Voltage Or Current Condition.

V_B — DC Breakdown Voltage - Value Of Voltage Measured At The Point Which Breakdown Occurs With The Diode Reverse Biased.

$V_{(BR)R}$ — Static Reverse Breakdown Voltage - The Value Of Negative Anode-To-Cathode Voltage At Which The Differential Resistance Breakdown Between The Anode And Cathode Terminals Changes From A High Value To A Substantially Lower Value.

V_{DRM} — Repetitive Peak Off-State Voltage - Maximum Instantaneous Value Of The Off-State Voltage That Occurs Across The Devices, Including All Repetitive Transient Voltages, But Excluding All Non-Repetitive Transient Voltages.

V_F — Forward Voltage - The Voltage Drop In A Semiconductor Diode Resulting From The Respective Forward Current.

V_{FM} — Maximum Forward Voltage - The Voltage Drop In A Semiconductor Diode Resulting From The Respective Forward Current.

V_{GFM} — Maximum Forward Gate Voltage - Maximum DC Forward Gate Voltage Permitted To Produce A Specified Forward Gate Current.

$V_{GO\ Max}$ — Peak Gate Turn-Off Voltage - Maximum Reverse Gate Voltage Required To Switch Off.

V_{GRM} — Maximum Reverse Gate Voltage - Maximum Peak Reverse Voltage Allowable Between The Gate Terminal And The Cathode Terminal When The Junction Between The Gate Region And The Adjacent Cathode Region Is Reverse Biased.

V_Z — Zener Regulator Reference Voltage - Value Of DC Voltage Across The Diode When It Is Biased To Operate In Its Breakdown Region.

$\Delta V_Z/\Delta T$ — Change In Zener Voltage To Change In Temperature.

Transistors

BV_{CBO} — Collector To Base Breakdown Voltage - Voltage Measured Between Collector And Base With Emitter Open.

BV_{CEO} — Collector To Emitter Breakdown Voltage - Voltage Measured Between Collector And Emitter With Base Open.

BV_{CER} — Collector To Emitter Breakdown Voltage - Voltage Measured Between Collector And Emitter When The Base Terminal Is Returned To The Emitter Terminal Through A Specified Resistance.

BV_{CES} — Collector To Emitter Breakdown Voltage - Voltage Measured Between Collector And Emitter With The Base Terminated Through A Short Circuit To The Emitter.

BV_{CEV} — Collector To Emitter Breakdown Voltage - Voltage Measured Between Collector And Emitter When A Specified Voltage (V) Is Applied Between The Base And Emitter.

Transistors (cont'd)

BV_{CEX} — Collector To Emitter Breakdown Voltage - Voltage Measured Between Collector And Emitter When The Base Is Terminated Through A Specified Load (X) To The Emitter.

BV_{DSS} — Drain To Source Breakdown Voltage - Voltage Measured Between The Drain And Source Terminals With The Gate Short-Circuited To The Source Terminal.

BV_{EBO} — Emitter To Base Breakdown Voltage - Reverse Voltage Measured Between Emitter And Base With The Collector Terminal Open.

BV_{GSS} — Gate To Source Breakdown Voltage - The Breakdown Voltage Between The Gate And Source Terminals With The Drain Terminal Short-Circuited To The Source Terminal.

C_{ISS} — Input Capacitance - The Capacitance Between The Terminals (Gate And Source) With The Drain Short-Circuited To The Source.

C_{RSS} — Reverse Transfer Capacitance - The Capacitance Between The Drain And Gate Terminals.

f_T — Gain Bandwidth Product - Frequency At Which Small-Signal Gain Becomes Unity.

gfs — Forward Transfer Conductance - Common Source Forward Transconductance.

G_{PE} — Power Gain Emitter Output.

h_{FE} — DC Current Gain - The Ratio Of Collector Current To Base Current At A Specified Collector-Emitter Voltage.

I_B — DC Base Current - Value OF DC Current Into The Base Terminal.

I_C — DC Collector Current - Value OF DC Current Into The Collector Terminal.

I_{DSS} — Zero Bias Drain Current - Amount Of Current Which Flows In The Drain When The Gate Is Connected To The Source.

N.F. — Noise Figure.

P_D — Average Power Dissipation.

P_{IN} — Signal Input Power To Device.

P_{OUT} — Signal Output Power.

r_{DSS} — Drain-Source On-State Resistance.

V_{CC} — DC Supply Voltage Applied To The Collector Terminal.

Special Purpose Devices

BV_{CER} — Breakdown Voltage Between Collector And Emitter With A Specified Resistor Between Base And Emitter.

BV_{GKF} — Gate To Cathode Forward Breakdown Voltage.

BV_{GKR} — Gate To Cathode Reverse Breakdown Voltage.

h_{FE} — DC Current Gain - Ratio Of DC Output Current To The DC Input Current.

$I_{BO+(Max)}$ — Maximum Forward Breakover Current.

$I_{BO-(Max)}$ — Maximum Reverse Breakover Current.

I_E — Value Of The DC Current Into The Emitter.

I_{EO} — Emitter Current With One Base Open.

I_G — DC Gate Current - The DC Current Flowing Through The Gate As A Result Of Applied Gate Voltage.

$I_{T\ PK}$ — Total Peak Current.

I_V — Valley Current - The Valley Current Is The Emitter Current At The Second Lowest Current Point.

η — Intrinsic Stand Off Ratio.

R_{BBO} — Base 1 To Base 2 Resistance With Open Emitter.

V_{AK} — Anode To Cathode Voltage - The Maximum Value Of Voltage Applied Between Anode And Cathode Without Failure.

$V_{(BO)+}$ — Forward Breakover Voltage.

$V_{(BO)-}$ — Reverse Breakover Voltage.

ΔV_F — Forward Breakback Voltage.

ΔV_R — Reverse Breakback Voltage.

V_{GT} — Gate Trigger Voltage - The Gate Voltage Required To Produce The Gate Trigger Current.

Opto Electronic Devices

I_D — Dark Current - The Current Which Flows In A Photodetector When There Is No Incident Radiation On The Detector.

I_{FT} — Input Trigger Current - Emitter Current Necessary To Trigger The Coupled Device.

I_L — Light Current - The Current That Flows Through A Photo Sensitive Device When It Is Exposed To Illumination.

P_t — Total Device Power Dissipation.

Response Time — The Time It Takes The Device To React To An Incoming Signal.

Rise Time (t_r) — The Time Duration During Which The Leading Edge Of A Pulse Is Increasing From 10% To 90% Of Its Maximum Amplitude.

V_{ISO} — DC Isolation Surge Voltage - The Dielectric Withstanding Voltage Between The Input And Output.

λ_P — Wavelength At Peak Emission - The Wavelength At Which The Power Output From A Light-Emitting Diode Is Maximum.

θ_{HI} — Half-Intensity Beam Angle - The Angle Within Which The Radiant Intensity Is Not Less Than Half Of The Maximum Intensity.

Linear IC Selector Guide

• Amplifiers

Audio Power

Output Watts	ECG No.	Package
0.15	716	8 Pin TO-5
0.45	1530	14 Pin DIP-ET
0.5	745	8 Pin DIP
	823	8 Pin DIP
	1031	12 Pin DIP-W
	1465	9 Pin SIP
	1467	8 Pin SIP
0.55	1627	9 Pin SIP
0.7	1036	12 Pin DIP-W
	1612	9 Pin SIP
1.0	717	14 Pin DIP
	784	12 Pin TO-5
	812	14 Pin DIP
	825	14 Pin DIP
	1008	9 Pin TO-3
	1009	8 Pin DIP-W
	1032	12 Pin DIP-W
	1033	12 Pin DIP-W
	1035	12 Pin DIP-W
	1075A	14 Pin DIP-ET
	1097	14 Pin DIP-ET
	1126	14 Pin DIP-ET
	1303	14 Pin DIP-ET
	1452	7 Pin SIP
	1472	14 Pin DIP-ET
1.2	1704	9 Pin SIP
1.3	1137	10 Pin TO-5
1.4	1476	10 Pin SIP-HS
1.5	828	14 Pin DIP
	1141	8 Pin DIP-ET
	1180	14 Pin DIP-ET
	1224	10 Pin TO-5
1.8	1516	8 Pin DIP-ET
2.0	740A	14 Pin DIP-W
	810A	14 Pin DIP-W
	862	14 Pin DIP-W
	1010	8 Pin DIP-W
	1117	14 Pin DIP-Q
	1140	8 Pin DIP-ET
	1156	16 Pin DIP-ET
	1238	12 Pin DIP-W
	1294	8 Pin DIP
2.1	1113	14 Pin DIP-Q
	1228	14 Pin DIP-ET
	1381	14 Pin DIP-ET
2.2	1112	14 Pin DIP
2.3	1463	14 Pin DIP-ET
2.5	1150	8 Pin DIP-W
	1470	14 Pin DIP-ET
3.0	1011	8 Pin DIP-W
3.3	1118	14 Pin DIP-Q, HS
3.5	1029	10 Pin DIP-ET
	1038	10 Pin DIP-ET
	1185	10 Pin SIP-HS
	1384	10 Pin SIP-HS
3.8	1385	14 Pin DIP-W
4.0	1023	14 Pin DIP-W
	1732	12 Pin SIP
4.2	1153	10 Pin SIP-HS
	1222	14 Pin DIP-W
	1363	9 Pin SIP-HS
4.4	1407	9 Pin SIP
4.5	1127	10 Pin SIP-HS
	1165	10 Pin SIP-HS
	1193	12 Pin SIP-HS
	1566	9 Pin SIP-HS
4.8	1081A	10 Pin SIP-HS
	1107	14 Pin DIP-W
5.0	862	14 Pin DIP-W
	1098	10 Pin TO-3
	1116	12 Pin DIP-W
	1450	10 Pin DIP
5.2	1160	10 Pin SIP-HS
	1283	10 Pin SIP-HS
	1284	10 Pin SIP-HS
	1365	9 Pin SIP-HS
5.5	1037	10 Pin DIP-ET
	1169	10 Pin SIP-HS
	1211	10 Pin SIP-HS
	1239	10 Pin SIP-HS
	1240	11 Pin SIP
	1260	10 Pin SIP-HS
	1261	10 Pin SIP-HS
	1362	9 Pin SIP-HS
	1366	10 Pin SIP-HS
	1369	11 Pin SIP
5.7	1423	8 Pin SIP-HS
	1424	8 Pin SIP-HS
5.8	1155	10 Pin SIP-HS
	1166	10 Pin SIP-HS
	1194	10 Pin SIP-HS
	1256	10 Pin SIP-HS
	1275	10 Pin SIP-HS
	1278	10 Pin SIP-HS
	1285	7 Pin SIP
	1286	7 Pin SIP
	1370	10 Pin SIP-HS
	1375	10 Pin SIP-HS
	1388	10 Pin SIP
6.5	1638	12 Pin SIP
7.0	1115	12 Pin DIP-W
	1115A	12 Pin DIP-QW
	1392	10 Pin SIP-HS
	1393	10 Pin SIP-HS
8.0	1024	10 Pin SIP-M
	1232	5 Pin TO-220
	1386	12 Pin SIP-HS
10.0	1025	10 Pin SIP-M
	1288	5 Pin TO-220
	1343	15 Pin SIP-M
	1378	5 Pin TO-220
12.0	1361	9 Pin SIP-HS
	1374	5 Pin TO-220
	1390	10 Pin SIP
	1391	10 Pin SIP
13.0	1027	10 Pin SIP-M
	1139	10 Pin SIP-M
14.0	1380	5 Pin TO-220
15.0	1274	10 Pin SIP-M
	1319	10 Pin SIP
	1323	10 Pin SIP-M
	1341	10 Pin SIP-M
18.0	1399	12 Pin SIP-HS
19.0	1602	12 Pin SIP-HS
20.0	1028	10 Pin SIP-M
	1287	14 Pin DIP
	1348	8 Pin SIP
20.0	1349	12 Pin SIP-M
	1389	12 Pin SIP
	1724	10 Pin SIP
22.0	1376	5 Pin TO-220
24.0	1326	10 Pin SIP-M
	1340	10 Pin SIP-M
25.0	1090	10 Pin SIP-M
	1320	10 Pin SIP-M
	1332	10 Pin SIP-M
30.0	1352	12 Pin SIP-M
35.0	1280	10 Pin SIP-M
	1282	10 Pin SIP-M
	1327	10 Pin SIP-M
40.0	1333	10 Pin SIP-M
	1353	16 Pin SIP-M
	1357	10 Pin SIP-M
50.0	1148	10 Pin SIP-M
	1279	10 Pin SIP-M
	1281	10 Pin SIP-M
	1328	10 Pin SIP-M
	1350	10 Pin SIP-M
	1358	10 Pin SIP-M
55.0	1321	10 Pin SIP-M
60.0	1334	10 Pin SIP-M
	1346	10 Pin SIP-M
	1354	8 Pin SIP-M
	1360	10 Pin SIP-M
70.0	1336	16 Pin SIP-M
	1337	16 Pin SIP-M
80.0	1322	10 Pin SIP-M
	1335	10 Pin SIP-M
100.0	1342	10 Pin SIP-M
	1355	10 Pin SIP-M

Audio Dual Power

Output Watts/CH	ECG No.	Package
2.0	804	14 Pin DIP-W
	990	14 Pin DIP-W
	1154	14 Pin DIP-W
2.3	1667	16 Pin DIP-W
2.4	1387	10 Pin SIP-HS
2.5	1687	11 Pin SIP-HS
3.0	1444	16 Pin DIP
3.5	1397	10 Pin SIP-HS
	1685	10 Pin SIP-HS
3.9	1372	20 Pin DIP
4.2	1382	20 Pin DIP
	1626	12 Pin SIP
	1637	14 Pin SIP
4.3	1606	12 Pin SIP-HS
4.5	1619	12 Pin SIP
5.0	1367	18 Pin DIP
5.1	1383	18 Pin DIP
5.5	1291	14 Pin SIP
	1364	14 Pin SIP
	1371	12 Pin SIP
	1373	12 Pin SIP
	1379	20 Pin DIP
	1394	12 Pin SIP
	1707	12 Pin SIP
5.8	1368	12 Pin SIP
	1395	12 Pin SIP-HS
	1398	12 Pin SIP-HS

Linear IC Selector Guide (cont'd)

Audio Dual Power (cont'd)

Output Watts/CH	ECG No.	Package
6.0	1220	15 Pin SIP-M
	1343	15 Pin SIP-M
	1377	14 Pin SIP
6.5	1396	11 Pin SIP-HS
7.0	1218	15 Pin SIP-M
	1293	12 Pin SIP
8.5	1675	20 Pin DIP
9.5	1212	16 Pin SIP-M
10.0	1324	16 Pin SIP-M
15.0	1219	15 Pin SIP-M
	1252	16 Pin SIP-M
	1273	20 Pin DIP
	1330	16 Pin SIP-M
20.0	1325	16 Pin SIP-M
	1329	15 Pin SIP-M
	1347	16 Pin SIP-M
22.0	1359	15 Pin SIP-M
25.0	1331	16 Pin SIP-M
	1344	15 Pin SIP-M
	1351	16 Pin SIP-M
	1356	16 Pin SIP-M
30.0	1345	16 Pin SIP-M

Audio Power with Preamps

Output Watts	ECG No.	Package
1.0	1043	14 Pin DIP
	1093	14 Pin DIP-ET
	1095	14 Pin DIP-ET
	1097	14 Pin DIP-ET
4.4	1058	9 Pin SIP

Audio Preamps

ECG735	4 Pin DIP
ECG753	4 Pin DIP-Q
ECG755	4 Pin DIP-Q
ECG772A	8 Pin DIP-Q
ECG839	8 Pin DIP
ECG942	14 Pin DIP
ECG1000	7 Pin SIP
ECG1001	7 Pin SIP
ECG1015	8 Pin ZIL
ECG1016	9 Pin ZIL
ECG1019	9 Pin ZIL
ECG1021	9 Pin ZIL
ECG1052	7 Pin SIP
ECG1053	10 Pin TO-5
ECG1059	14 Pin TO-3
ECG1082	7 Pin SIP
ECG1083	16 Pin (Dual-8)
ECG1085	7 Pin SIP
ECG1087	7 Pin SIP
ECG1102	5 Pin SIP
ECG1103	7 Pin SIP
ECG1119	7 Pin SIP
ECG1120	7 Pin SIP
ECG1135	7 Pin SIP
ECG1152	13 Pin ZIL
ECG1179	8 Pin DIP
ECG1184	16 Pin DIP
ECG1195	7 Pin SIP
ECG1205	16 Pin DIP
ECG1210	9 Pin SIP
ECG1223	7 Pin SIP
ECG1302	7 Pin SIP
ECG1431	7 Pin SIP
ECG1433	7 Pin SIP
ECG1449	8 Pin SIP
ECG1457	8 Pin SIP
ECG1459	8 Pin SIP
ECG1462	7 Pin SIP
ECG1464	7 Pin SIP
ECG1466	9 Pin SIP
ECG1468	7 Pin SIP
ECG1497	7 Pin SIP
ECG1660	8 Pin SIP
ECG1666	8 Pin SIP

Audio Dual Preamps

ECG721	14 Pin DIP
ECG725	14 Pin DIP
ECG824	8 Pin DIP
ECG942	14 Pin DIP
ECG947D	14 Pin DIP
ECG983	14 Pin DIP
ECG1170	8 Pin SIP
ECG1215	16 Pin DIP
ECG1221	14 Pin DIP
ECG1338	15 Pin SIP-M
ECG1339	15 Pin SIP-M
ECG1435	9 Pin SIP
ECG1451	14 Pin DIP
ECG1453	14 Pin DIP
ECG1455	14 Pin DIP
ECG1456	14 Pin DIP
ECG1458	8 Pin SIP
ECG1477	14 Pin DIP-ET
ECG1480	14 Pin DIP
ECG1481	14 Pin DIP-ET
ECG1517	10 Pin SIP
ECG1523	10 Pin SIP
ECG1571	14 Pin DIP
ECG1577	16 Pin DIP
ECG1634	14 Pin DIP
ECG1651	16 Pin DIP
ECG1659	8 Pin SIP
ECG1730	9 Pin SIP

Audio Quad Preamps

ECG727	16 Pin DIP
ECG834	14 Pin DIP
ECG948	14 Pin DIP
ECG987	14 Pin DIP
ECG992	14 Pin DIP

Audio/Spkr/Protect/Voltage/Temp/Overload

ECG1635	8 Pin SIP

General Purpose

Differential

ECG724	8 Pin Can
ECG773	8 Pin DIP-Q
ECG900	10 Pin Can
ECG906	12 Pin Can
ECG917	14 Pin DIP

General Purpose

ECG1101	7 Pin SIP

Hi-Frequency

ECG1104	5 Pin SIP

Noise Reduction

ECG1311	18 Pin DIP-ET
ECG1744	22 Pin DIP

Squelch

ECG1235	7 Pin SIP

Wide Band

ECG785	10 Pin Can
ECG838	8 Pin DIP
ECG901	12 Pin Can

Operational (Op Amp)

Single DC Power Supply

Differential, Cascade

ECG773	8 Pin DIP-Q

Dual/Hi Speed/Programmable/Current Mode

ECG869	14 Pin DIP

Quad Current Mirror/Int. Comp.

ECG992	14 Pin DIP

Single or Split DC Power Supply

Bi-MOS

ECG930	8 Pin Can

Dual Hi Gain/Internally Comp.

ECG928	8 Pin Can
ECG928M	8 Pin DIP
ECG928S	9 Pin SIP
ECG928SM	8 Pin SOIC

Hi Frequency

ECG724	8 Pin Can

Low Power Drain

ECG877	8 Pin Can

Quad General Purpose/Freq Comp.

ECG987	14 Pin DIP
ECG987SM	14 Pin SOIC

Wide Band/Large Signal/Hi Speed

ECG871	8 Pin Can

Split DC Power Supply

Dual/Internal Compensation

ECG778A	8 Pin DIP
ECG778SM	8 Pin SOIC
ECG947	10 Pin Can
ECG947D	14 Pin DIP

FET Input

ECG857M	8 Pin DIP
ECG857SM	8 Pin SOIC
ECG937	8 Pin Can
ECG937M	8 Pin DIP
ECG940	8 Pin Can

FET Dual Input

ECG858M	8 Pin DIP
ECG858SM	8 Pin SOIC

FET Quad Input

ECG859	14 Pin DIP
ECG859SM	14 Pin SOIC

General Purpose

ECG847	14 Pin DIP
ECG941	8 Pin Can
ECG941D	14 Pin DIP
ECG941M	8 Pin DIP
ECG941S	7 Pin SIP
ECG941SM	8 Pin SOIC
ECG975	8 Pin DIP
ECG975SM	8 Pin SOIC
ECG976	8 Pin DIP
ECG1171	8 Pin Can

Hi Gain/Lo Noise

ECG909	8 Pin Can
ECG909D	14 Pin DIP

Hi Gain/Lo Noise (Dual)

ECG1529	9 Pin SIP

Hi Gain/Lo Noise (Quad)

ECG948	14 Pin DIP
ECG948SM	14 Pin SOIC
ECG997	14 Pin DIP

N

Linear IC Selector Guide (cont'd)

Split DC Power Supply (cont'd)

Hi Speed/Hi Gain

ECG915	10 Pin Can
ECG918	8 Pin Can
ECG918M	8 Pin DIP
ECG918SM	8 Pin SOIC

Hi Speed/Internal Comp.

ECG927	10 Pin Can
ECG927D	14 Pin DIP
ECG927SM	14 Pin SOIC

Hi Speed/Voltage Follower

ECG924	8 Pin Can
ECG924M	8 Pin DIP

Internal Comp./Low Input Current

ECG945	8 Pin Can

Precision/Instrumentation

ECG903	12 Pin Can
ECG908	14 Pin DIP
ECG925	8 Pin Can
ECG938	8 Pin Can
ECG938M	8 Pin DIP

Programmable

ECG944	8 Pin Can
ECG944M	8 Pin DIP

Transconductance

ECG870	14 Pin DIP
ECG902	8 Pin Can
ECG996	8 Pin DIP

• Arrays

Diode Arrays

ECG905	10 Pin Can
ECG907	12 Pin Can
ECG1680	7 Pin SIP

Transistor Arrays

ECG904	12 Pin Can
ECG912	14 Pin DIP
ECG916	16 Pin DIP
ECG929	16 Pin DIP

• Attenuators

Attenuator (Single)

ECG829	8 Pin DIP

Attenuator (Dual)

ECG1439	14 Pin DIP

Attenuator (Quad)

ECG802	16 Pin DIP

Dual Attenuator/Tone Control

ECG1576	16 Pin DIP

Quadraphonic Decoder Systems

ECG799	14 Pin DIP
ECG803	16 Pin DIP
ECG813	28 Pin DIP
ECG1022	16 Pin DIP

• Bar Display Drivers

AM/FM, Time/Frequency Display Driver

ECG1537	42 Pin DIP

8-Circuit Fluorescent

ECG1715	18 Pin DIP

Linear 5-Step Indicator Driver

ECG1502	9 Pin SIP
ECG1510	8 Pin SIP
ECG1511	14 Pin DIP-ET

Log. 5-Step Indicator Driver

ECG1503	9 Pin SIP
ECG1512	14 Pin DIP-ET
ECG1514	16 Pin DIP
ECG1515	16 Pin DIP

Linear 5-Step Indicator Driver-Open Collector

ECG1505	8 Pin DIP

Log. 5-Step Indicator Driver-Open Collector

ECG1504	8 Pin DIP

Log. 5-Step VU Meter Indicator Driver

ECG1561	9 Pin SIP

Linear 7-Step Indicator Driver

ECG1501	16 Pin DIP-ET

Log. 7-Step Indicator Driver

ECG1500	16 Pin DIP-ET

Log. 9-Step Indicator Driver

ECG1513	16 Pin DIP

Linear 10-Step Indicator Driver

ECG1519	16 Pin DIP

Linear 10-Step Indicator Driver-Open Emitter

ECG1507	16 Pin DIP

Linear 10-Step Indicator Driver-Open Collector

ECG1506	16 Pin DIP
ECG1508	18 Pin DIP

Log. 10-Step Indicator Driver-Open Collector

ECG1509	18 Pin DIP

Log. 10-Step VU Meter Indicator Driver

ECG1549	18 Pin DIP

• Bucket Brigades

Audio Signal Delay

ECG1640	14 Pin DIP
ECG1641	8 Pin DIP

Clock Generator/Driver for BBDs

ECG1639	8 Pin DIP

• Electronic Organs

Digital Noise Generator

ECG2041★	8 Pin DIP

Dividers

ECG2040★	14 Pin DIP

Master Oscillator

ECG1026	9 Pin ZIL

Top Octave Generator

ECG2042★	16 Pin DIP
ECG2043★	16 Pin DIP

• Frequency Dividers

ECG1197	9 Pin SIP
ECG1198	24 Pin DIP
ECG1199	24 Pin DIP
ECG2040★	14 Pin DIP
ECG9200★	4 Pin SIP

• Frequency to Voltage Converter

ECG995	14 Pin DIP
ECG995M	8 Pin DIP

• Head Coil and Meter Driver

ECG1241	7 Pin SIP

★ Listed in Misc. Section Page 1-294

• Modem

ECG2400★	40-Pin DIP
ECG2047★	16 Pin DIP
ECG6860★	24 Pin DIP

• Modulator—Demodulator

Balanced Modulator

ECG973	10 Pin Can
ECG973D	14 Pin DIP
ECG1249	7 Pin SIP
ECG1442	14 Pin DIP

Color/Video/Modulator

ECG846	18 Pin DIP
ECG855	14 Pin DIP

RF Oscillator/Video Modulator

ECG856	8 Pin DIP

• Motor Drivers/Controls

Bipolar Step Driver

ECG1749	16 Pin DIP

4-Phase Step Driver

ECG1736	18 Pin SIP-M

DC Motor Driver

ECG1748	7 Pin SIP

Dual Solenoid/Motor Driver

ECG1750	15 Pin SIP-HS

• Operational (Op Amp)

Single DC Power Supply

Differential, Cascade

ECG773	8 Pin DIP-Q

Dual/Hi Speed/Programmable/Current/Mode

ECG869	14 Pin DIP

Quad Current Mirror/Int. Comp.

ECG992	14 Pin DIP

Single or Split DC Power Supply

BI-MOS

ECG930	8 Pin Can

Dual Hi Gain/Internally Comp.

ECG928	8 Pin Can
ECG928M	8 Pin Can
ECG928S	9 Pin SIP
ECG928SM	8 Pin SOIC

Hi Frequency

ECG724	8 Pin Can

Low Power Drain

ECG877	8 Pin Can

Quad General Purpose/Freq Comp.

ECG987	14 Pin DIP
ECG987SM	14 Pin SOIC

Wide Band/Large Signal/Hi Speed

ECG871	8 Pin Can

Split DC Power Supply

Dual/Internal Compensation

ECG778A	8 Pin DIP
ECG778SM	8 Pin SOIC
ECG947	10 Pin Can
ECG947D	14 Pin DIP

FET Input

ECG857M	8 Pin DIP
ECG857SM	8 Pin SOIC
ECG937	8 Pin Can
ECG937M	8 Pin DIP
ECG940	8 Pin Can

★ Listed in Misc. Section Page 1-294

Linear IC Selector Guide (cont'd)

Split DC Power Supply (cont.)

Fet Dual Input

ECG858M	8 Pin DIP
ECG858SM	8 Pin SOIC

FET Quad Input

ECG859	14 Pin DIP
ECG859SM	14 Pin SOIC

General Purpose

ECG847	14 Pin DIP
ECG941	8 Pin Can
ECG941D	14 Pin DIP
ECG941M	8 Pin DIP
ECG941S	7 Pin SIP
ECG941SM	8 Pin SOIC
ECG975	8 Pin DIP
ECG975SM	8 Pin SOIC
ECG976	8 Pin DIP
ECG1171	8 Pin Can

Hi Gain/Lo Noise

ECG909	8 Pin Can
ECG909D	14 Pin DIP

Hi Gain/Lo Noise (Dual)

ECG1529	9 Pin SIP

Hi Gain/Lo Noise (Quad)

ECG948	14 Pin DIP
ECG948SM	14 Pin SOIC
ECG997	14 Pin DIP

Hi Speed/Hi Gain

ECG915	10 Pin Can
ECG918	8 Pin Can
ECG918M	8 Pin DIP
ECG918SM	8 Pin SOIC

Hi Speed/Internal Comp.

ECG927	10 Pin Can
ECG927D	14 Pin DIP
ECG927SM	14 Pin SOIC

Hi Speed/Voltage Follower

ECG924	8 Pin Can
ECG924M	8 Pin DIP

Internal Comp./Low Input Current

ECG945	8 Pin Can

Precision/Instrumentation

ECG903	12 Pin Can
ECG908	14 Pin DIP
ECG925	8 Pin Can
ECG938	8 Pin Can
ECG938M	8 Pin DIP

Programmable

ECG944	8 Pin Can
ECG944M	8 Pin DIP

Transconductance

ECG870	14 Pin DIP
ECG902	8 Pin Can
ECG996	8 Pin DIP

• Phase Frequency Detectors

ECG974	14 Pin DIP
ECG1172	14 Pin DIP
ECG1208	9 Pin SIP

• Phase Locked Loops

ECG980	16 Pin DIP
ECG989	14 Pin DIP
ECG991	16 Pin DIP
ECG1167	16 Pin DIP
ECG1233	16 Pin DIP
ECG1253	22 Pin DIP
ECG1254	24 Pin DIP
ECG1255	16 Pin DIP
ECG1272	16 Pin DIP
ECG1460	16 Pin DIP
ECG1461	16 Pin ZIL
ECG1475	20 Pin DIP
ECG1482	16 Pin DIP
ECG1484	16 Pin DIP
ECG1526	28 Pin DIP
ECG1528	22 Pin DIP
ECG1534	16 Pin DIP
ECG1536	20 Pin DIP

• Pulse Width Modulators

ECG1720	16 Pin DIP
ECG1721	16 Pin DIP
ECG1722	18 Pin DIP
ECG1723	16 Pin DIP
ECG1729	16 Pin DIP
ECG1753	14 Pin DIP

• Power Supply

ECG1737	18 Pin SIP-M

• Radio/AM

IF Amps

ECG1054	14 Pin DIP
ECG1124	16 Pin DIP
ECG1301	7 Pin SIP
ECG1310	14 Pin DIP-ET

IF Amp/AF Preamp

ECG710	14 Pin DIP-Q
ECG787	16 Pin DIP
ECG1013	9 Pin SIP
ECG1072	16 Pin DIP
ECG1108	14 Pin DIP

RF/IF Amp

ECG744	14 Pin DIP
ECG816	10 Pin Can
ECG817	8 Pin DIP
ECG1092	7 Pin SIP

RF/Amp/Mixer/Oscillator, IF Amp

ECG703	6 Pin Plastic
ECG806	14 Pin DIP
ECG1049	16 Pin DIP
ECG1073	16 Pin DIP
ECG1074	14 Pin DIP
ECG1214	16 Pin DIP
ECG1237	14 Pin DIP
ECG1290	16 Pin DIP
ECG1487	14 Pin DIP
ECG1491	14 Pin DIP
ECG1494	16 Pin DIP
ECG1495	15 Lead Formed SIP
ECG1518	19 Lead Formed SIP
ECG1533	16 Pin ZIL

RF Amp/Osc/Mixer/IF/Det for ET

ECG1608	20 Pin DIP

• Radio/FM

Frequency Synthesizer

ECG1526	28 Pin DIP

IF Amp

ECG726	10 Pin Can
ECG736	8 Pin DIP
ECG746	8 Pin DIP
ECG753	4 Pin DIP-Q
ECG760	6 Pin DIP-Q
ECG805	8 Pin DIP
ECG1002	8 Pin Can
ECG1039	8 Pin DIP
ECG1040	8 Pin SIP
ECG1041	8 Pin DIP
ECG1042	8 Pin DIP
ECG1100	7 Pin SIP
ECG1227	8 Pin DIP
ECG1309	7 Pin SIP
ECG1448	9 Pin SIP
ECG1474	7 Pin SIP

IF Amp/Limiter

ECG750	14 Pin DIP
ECG781	8 Pin Can
ECG1400	14 Pin DIP

IF Amp/Detector

ECG708	14 Pin DIP
ECG709	14 Pin DIP
ECG712	14 Pin DIP
ECG800	14 Pin DIP
ECG860	18 Pin DIP
ECG1234	7 Pin SIP
ECG1292	14 Pin DIP
ECG1436	14 Pin DIP
ECG1541	7 Pin SIP
ECG1578	16 Pin DIP
ECG1580	14 Pin DIP

IF Amp/Detector/AF PO

ECG742	16 Pin DIP-W
ECG807	16 Pin DIP-W
ECG826	18 Pin DIP
ECG1257	14 Pin DIP-ET

IF Amp/Detector/Preamp

ECG706	14 Pin DIP
ECG710	14 Pin DIP
ECG723	14 Pin DIP
ECG786	12 Pin Can
ECG788	16 Pin DIP
ECG1045	14 Pin DIP
ECG1047	14 Pin DIP
ECG1051	14 Pin DIP
ECG1057	14 Pin DIP
ECG1072	16 Pin DIP
ECG1108	14 Pin DIP
ECG1441	16 Pin DIP
ECG1579	16 Pin DIP

IF Amp/Det/Preamp/Meter Driver/Mute

ECG1559	16 Pin DIP
ECG1604	16 Pin ZIL

Noise Cancel Circuit

ECG1432	14 Pin DIP
ECG1447	16 Pin DIP
ECG1543	16 Pin DIP

Oscillator/Mixer/IF/Scan Control

ECG853	16 Pin DIP

RF/IF Amp

ECG1092	7 Pin SIP

RF/IF Amp/Osc/Mixer

ECG703	6 Pin Plastic

Stereo Demod

ECG718	14 Pin DIP
ECG719	14 Pin DIP
ECG720	14 Pin DIP
ECG722	14 Pin DIP
ECG743	16 Pin DIP
ECG789	16 Pin DIP-Q
ECG801	14 Pin DIP
ECG1005	14 Pin DIP
ECG1006	14 Pin DIP
ECG1056	14 Pin DIP
ECG1106	16 Pin DIP
ECG1142	14 Pin DIP
ECG1181	16 Pin DIP
ECG1206	14 Pin DIP
ECG1217	16 Pin DIP
ECG1225	16 Pin DIP
ECG1226	14 Pin DIP
ECG1230	16 Pin DIP
ECG1243	14 Pin DIP
ECG1248	16 Pin DIP
ECG1460	16 Pin DIP
ECG1461	15 Pin ZIL

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Linear IC Selector Guide (cont'd)

Stereo Demod (cont'd)

ECG1482	16 Pin DIP
ECG1484	16 Pin DIP
ECG1489	16 Pin DIP
ECG1493	15 Lead Formed SIP
ECG1560	16 Pin DIP
ECG1565	16 Pin DIP
ECG1631	16 Pin ZIL
ECG1657	9 Pin SIP

Tuning Indicator Systems

ECG1149	14 Pin DIP
ECG1488	16 Pin DIP
ECG1525	9 Pin SIP
ECG1527	16+2-Pin DIP-ET

1/20 Divider Prescaler

ECG1499	9 Pin SIP

• Radio/CB

Oscillator/AM IF Amp

ECG1012	5 Pin SIP

PLL Frequency Synthesizer

ECG991	16 Pin DIP
ECG1167	16 Pin DIP
ECG1233	16 Pin DIP
ECG1253	22 Pin DIP
ECG1254	24 Pin DIP
ECG1272	16 Pin DIP
ECG1475	20 Pin DIP
ECG1528	22 Pin DIP
ECG1536	20 Pin DIP

Prescaler

ECG993	16 Pin DIP

Voltage Controlled Oscillator

ECG1192	9 Pin SIP
ECG1201	10 Pin SIP
ECG1202	10 Pin SIP
ECG1203	10 Pin SIP
ECG1204	10 Pin SIP
ECG1262	10 Pin SIP

• Radio/AM/FM

AM/FM IF/Det/AM Osc/Mix/AGC/AF Out

ECG1624	16 Pin DIP

Frequency Synthesizer

ECG1534	16 Pin DIP

IF Amps

ECG1003	14 Pin DIP
ECG1054	14 Pin DIP
ECG1060	16 Pin DIP
ECG1242	16 Pin DIP
ECG1301	7 Pin SIP
ECG1563	16 Pin DIP

IF Amp/AF Preamp

ECG1124	16 Pin DIP

IF Amp/Mixer/Osc/Det/Signal Meter Driver

ECG1654	16 Pin DIP

IF/Detector/Preamp/Meter Driver

ECG1486	16+2 Pin DIP-ET
ECG1490	16 Pin DIP
ECG1525	9 Pin SIP
ECG1557	16 Pin DIP

Oscillator/Mixer/IF Amp

ECG1054	14 Pin DIP
ECG1055	14 Pin DIP
ECG1060	16 Pin DIP
ECG1073	16 Pin DIP
ECG1074	14 Pin DIP
ECG1242	16 Pin DIP

• RF Hybrid Amplifiers

RF/IF/VHF Amp

ECG1768	3 Pin Can
ECG1769	3 Pin Can
ECG1770	3 Pin Can

• Tachometer and Air Core Meter Driver

ECG1670	14 Pin DIP

• Tape Decks

Audio Program Selector

ECG1438	16 Pin ZIL
ECG1562	16 Pin DIP

Dual Channel Meter Driver

ECG1498	9 Pin SIP

Signal Sense/Solenoid Driver

ECG1478	10 Pin SIP-HS

10-Step Indicator Driver

ECG1519	16 Pin DIP

• Television

AFT

ECG711	10 Pin Can
ECG780	10 Pin Can
ECG783	14 Pin DIP
ECG1004	14 Pin DIP
ECG1046	14 Pin DIP
ECG1061	14 Pin DIP
ECG1096	14 Pin DIP-ET
ECG1174	14 Pin DIP-Q
ECG1250	16 Pin DIP

Audio Limiter/Amp/Demod/Bass/Treble

ECG1652	16 Pin DIP

Chroma Amplifiers

ECG738	14 Pin DIP
ECG1094	14 Pin DIP

Chroma Amp/VCO/Burst/Buffer Amp

ECG1597	16+2 Pin DIP-ET

Chroma Demodulators

ECG705A	9 Pin Can
ECG707	10 Pin Can
ECG713	14 Pin DIP
ECG790	14 Pin DIP
ECG798	14 Pin DIP
ECG821	14 Pin DIP
ECG1048	14 Pin DIP-ET
ECG1050	14 Pin DIP-ET
ECG1062	14 Pin DIP
ECG1068	16 Pin DIP
ECG1099	14 Pin DIP
ECG1122	14 Pin DIP
ECG1159	16 Pin DIP
ECG1178	14 Pin DIP
ECG1183	14 Pin DIP

Chroma Demodulator/Driver

ECG729	16 Pin DIP-Q
ECG1071	16 Pin DIP
ECG1130	16 Pin DIP

Chroma Demodulator/Matrix-RGB

ECG739	14 Pin DIP
ECG1163	16 Pin DIP
ECG1305	24 Pin DIP-ET

Chroma Processor

ECG715	14 Pin DIP
ECG728	16 Pin DIP
ECG797	16 Pin DIP
ECG809	16 Pin DIP
ECG1067	16 Pin DIP
ECG1089	20 Pin DIP
ECG1131	16 Pin DIP
ECG1158	16 Pin DIP
ECG1182	16 Pin DIP
ECG1200	16 Pin DIP
ECG1304	24 Pin DIP-ET

Chroma Processor/Demodulator

ECG702	16 Pin DIP
ECG791	16 Pin DIP
ECG844	28 Pin DIP
ECG986	24 Pin DIP
ECG1189	28 Pin DIP
ECG1196	24 Pin DIP
ECG1216	16 Pin DIP
ECG1296	16+2 Pin DIP-ET
ECG1297	22 Pin DIP
ECG1305	24 Pin DIP-ET
ECG1307	24 Pin DIP-ET
ECG1747	28 Pin DIP

Chroma Processor/Subcarrier Gen

ECG1069	16 Pin DIP
ECG1121	16 Pin DIP

Chroma Subcarrier Gen

ECG700	16 Pin DIP
ECG714	16 Pin DIP
ECG982	16 Pin DIP
ECG1123	16 Pin DIP

Chroma/Vid Amp

ECG822	16 Pin DIP
ECG845	24 Pin DIP

Chroma/Vid Amp/Demodulator

ECG1473	28 Pin DIP
ECG1532	28 Pin DIP
ECG1589	28 Pin DIP
ECG1617	30 Pin DIP
ECG1673	28 Pin DIP
ECG1726	24 Pin DIP

Chroma/Vid Amp/Demodulator-RGB

ECG1410	28 Pin DIP
ECG1416	28 Pin DIP
ECG1665	42 Pin DIP

Color Compensation

ECG1415	14 Pin DIP

Horiz Oscillator

ECG820	16 Pin DIP
ECG1018	13 Pin ZIL
ECG1313	14 Pin DIP-ET

Horiz Osc/Driver/Sync/X-Ray Protect

ECG1629	9 Pin SIP

Horiz Processor

ECG792	16 Pin DIP
ECG815	8 Pin DIP
ECG836	8 Pin DIP
ECG863	8 Pin DIP
ECG1086	16 Pin DIP

Horiz/Vert Countdown

ECG848	14 Pin DIP
ECG849	14 Pin DIP
ECG852	14 Pin DIP

Horiz/Vert Countdown Driver

ECG874	28 Pin DIP

Horiz/Vert Proc/Vert Out

ECG1661	16 Pin DIP-ET

Horiz/Vert/Osc/Driver/Countdown

ECG868	24 Pin DIP
ECG1683	18 Pin DIP
ECG1739	16 Pin DIP

Linear IC Selector Guide (cont'd)

• Television (cont'd)

Horiz/Vert/Osc/Sync/AFC

ECG1403	16 Pin DIP
ECG1540	16 Pin DIP

Horiz/Vert/Osc/Sync/Driver

ECG1587	24 Pin DIP
ECG1632	18 Pin DIP

Horiz/Vert/Osc/Sync/X-Ray Prot.

ECG1295	18 Pin DIP
ECG1299	24 Pin DIP
ECG1417	24 Pin DIP
ECG1445	22 Pin DIP
ECG1471	16+2 Pin DIP-ET
ECG1496	16 Pin DIP
ECG1535	24 Pin DIP
ECG1538	16 Pin DIP
ECG1539	18 Pin DIP
ECG1544	16 Pin DIP
ECG1550	16+2 Pin DIP-ET
ECG1552	24 Pin DIP
ECG1664	22 Pin DIP
ECG1727	18 Pin DIP

Luminance/Chroma Proc/Demod

ECG873	28 Pin DIP

Luminance Processor

ECG818	16 Pin DIP
ECG1177	14 Pin DIP

Sound IF

ECG746	8 Pin DIP
ECG795	8 Pin DIP
ECG1002	8 Pin Can
ECG1443	14 Pin DIP
ECG1575	14 Pin DIP

Sound IF/AF PO

ECG742	16 Pin DIP-W
ECG807	16 Pin DIP-W
ECG826	18 Pin DIP
ECG1175	16 Pin DIP-HS
ECG1231	12 Pin DIP-QW
ECG1231A	16 Pin DIP
ECG1246	14 Pin DIP-ET
ECG1257	14 Pin DIP-ET
ECG1404	16 Pin DIP-ET
ECG1663	16 Pin DIP-ET

Sound IF/AF Preamp

ECG704	10 Pin Can
ECG706	14 Pin DIP
ECG710	14 Pin DIP-Q
ECG712	14 Pin DIP
ECG723	14 Pin DIP
ECG748A	14 Pin DIP
ECG1047	14 Pin DIP
ECG1051	14 Pin DIP
ECG1133	16 Pin DIP
ECG1162	14 Pin DIP
ECG1236	14 Pin DIP
ECG1308	14 Pin DIP

Sound IF/Detector

ECG708	14 Pin DIP
ECG1045	14 Pin DIP
ECG1188	10 Pin Can
ECG1234	7 Pin SIP
ECG1292	14 Pin DIP
ECG1418	14 Pin DIP
ECG1454	14 Pin DIP
ECG1521	9 Pin SIP
ECG1580	14 Pin DIP
ECG1616	14 Pin DIP
ECG1668	8 Pin SIP

Sound IF/Det/Limiter/AF Out

ECG1752	18 Pin DIP

Sound IF/FM Det/Limiter/AF Driver

ECG1573	16 Pin DIP

Sound IF/FM Det/Limiter/Tone/Vol/Preamp

ECG1633	20 Pin DIP

Stereo Decoder

ECG1655	16 Pin DIP

Vert Countdown

ECG793	14 Pin DIP

Vert Deflection

ECG1567	9 Lead Formed SIP
ECG1674	9 Pin SIP-HS
ECG1676	7 Pin SIP
ECG1684	7 Pin SIP-HS

Vert Driver/Output

ECG1406	11 Pin SIP
ECG1485	11 Pin SIP

Vert Oscillator

ECG1312	14 Pin DIP

Vert Oscillator/Driver

ECG1077	14 Pin DIP
ECG1079	14 Pin DIP

Vert Oscillator/Output

ECG794	16 Pin DIP
ECG1245	10 Pin SIP-HS
ECG1258	14 Pin DIP-ET
ECG1289	12 Pin DIP-QW

Vert Osc/Dr/Pincushion Correction

ECG1229	14 Pin DIP

Vert Output

ECG1420	10 Pin SIP-HS
ECG1426	12 Pin SIP
ECG1429	5 Pin TO-220

Video Amp/AGC/Chroma Takeoff

ECG1091	16 Pin DIP

Video Amp/Blanker

ECG808	16 Pin DIP

Video Amp/Blanker/Black Control

ECG1569	7 Pin SIP

Video Amp/Brightness Limiter

ECG1084	16 Pin DIP
ECG1164	16 Pin DIP

Video/Chroma Amp/Demod/Color/Osc/Auto Tint

ECG1650	28 Pin DIP

Video/Chroma/Demod/Horiz/Vert/Osc Driver/HV Protect

ECG1547	42 Pin DIP
ECG1671	42 Pin DIP

Video/Sync/AGC

ECG731	16 Pin DIP
ECG779A	14 Pin DIP
ECG1064	16 Pin DIP
ECG1065	16 Pin DIP
ECG1066	16 Pin DIP
ECG1070	16 Pin DIP
ECG1168	16 Pin DIP

Video/Sync Amp

ECG1298	16 Pin DIP
ECG1401	16 Pin DIP

Video Sync Amp/AGC/Horiz/Osc/Phase Det

ECG701	16 Pin DIP

VIF Amp

ECG1128	7 Pin SIP
ECG1405	22 Pin DIP
ECG1542	16 Pin DIP

VIF Amp/AGC

ECG749	14 Pin DIP
ECG1080	14 Pin DIP
ECG1173	16 Pin DIP
ECG1186	14 Pin DIP
ECG1213	14 Pin DIP
ECG1618	9 Pin SIP
ECG1620	9 Pin SIP

VIF Amp/Detector

ECG747	8 Pin DIP
ECG1109	14 Pin DIP
ECG1187	8 Pin DIP

VIF/Detector/AFT/SIF

ECG730	16+2 Pin DIP-ET
ECG841	16 Pin DIP

VIF/Detector/AGC/AFT

ECG1440	28 Pin DIP
ECG1469	24 Pin DIP

VIF/Det/AGC/AFT/Video Amp

ECG1725	16 Pin DIP

VIF/Detector/Video Amp

ECG1430	22 Pin DIP
ECG1551	16 Pin DIP-ET

VIF/Detector/Video Amp/AGC

ECG875	28 Pin DIP
ECG878	28 Pin DIP
ECG984	16 Pin DIP
ECG1306	24 Pin DIP-ET
ECG1413	16 Pin DIP
ECG1522	14 Pin DIP-ET
ECG1545	16 Pin DIP
ECG1607	9 Pin SIP
ECG1610	9 Pin SIP
ECG1669	22 Pin DIP

VIF/SIF

ECG1134	16 Pin DIP
ECG1161	28 Pin DIP

VIF/SIF/AGC/AFT

ECG1076	14 Pin DIP
ECG1411	28 Pin DIP

VIF/SIF Amp/Det/AGC/AFT/Elec Att/AF Driver

ECG1570	24 Pin DIP
ECG1572	24 Pin DIP
ECG1653	30 Pin DIP
ECG1656	30 Pin DIP
ECG1728	30 Pin DIP

VIF/SIF/Detector/AGC

ECG1483	22 Pin DIP

VIF/SIF/Detector/Video Amp/AFT

ECG843	16 Pin DIP

VIF/Sync/AGC

ECG842	16 Pin DIP
ECG1492	16 Pin DIP

VIR Signal Processor

ECG1437	24 Pin DIP
ECG1556	16 Pin DIP
ECG1593	16 Pin DIP

• TV Tuners

Band Select

ECG865	16 Pin DIP
ECG867	18 Pin DIP
ECG1658	9 Pin SIP
ECG1708	9 Pin SIP

Bandswitch

ECG1615	9 Pin SIP
ECG1688	9 Pin SIP

Bandswitch Op Amp

ECG850	14 Pin DIP

Channel Decoder

ECG840	16 Pin DIP

N

Linear IC Selector Guide (cont'd)

• TV Tuners (cont'd)

Electronic Channel Selector

ECG1402	24 Pin DIP
ECG1409	24 Pin DIP
ECG1520	24 Pin DIP
ECG1564	16 Pin DIP
ECG1662	16 Pin DIP

Frequency Synthesizer

ECG866	16 Pin DIP
ECG1677	16 Pin DIP
ECG1746	28 Pin DIP

TV Remote Control Preamp

ECG1682	9 Pin SIP
ECG1763	14 Pin DIP
ECG1764	14 Pin DIP

TV Remote Control Receiver

ECG840	16 Pin DIP
ECG1738	28 Pin DIP
ECG1756	18 Pin DIP
ECG1757	18 Pin DIP
ECG1759	16 Pin DIP
ECG1761	16 Pin DIP
ECG1762	16 Pin DIP

TV Remote Control Receiver Amp

ECG1714M	8 Pin DIP
ECG1714S	8 Pin SIP

TV Remote Control Transmitter

ECG1574	16 Pin DIP
ECG1758	16 Pin DIP
ECG1760	16 Pin DIP

UHF/VHF Prescaler ÷256/÷64

ECG851	14 Pin DIP

Voltage Regulator for Electronic Tuner

ECG615A	DO-92
ECG1531	14 Pin DIP-ET

Television Voltage Regulators

ECG1546	TO-3 3 Pin
ECG1548	TO-3 3 Pin
ECG1553	TO-3 3 Pin
ECG1678	14 Pin DIP
ECG1719	TO-3 3 Pin
ECG1740	4 Pin SIP
ECG1741	4 Pin SIP
ECG1742	4 Pin SIP
ECG1743	4 Pin SIP

• Telephone

Pulse Dialer

ECG1691	18 Pin DIP
ECG1692	18 Pin DIP
ECG1693	16 Pin DIP
ECG1731	16 Pin DIP

Ringers

ECG1648	8 Pin DIP
ECG1649	8 Pin DIP

Tone Dialer

ECG1690	16 Pin DIP

• Threshold Detector/Open Collector Output (NPN)

ECG1434	5 Pin SIP

• Timing Circuits

Single

ECG833	8 Pin DIP
ECG955M	8 Pin DIP
ECG955MC	8 Pin DIP
ECG955S	8 Pin SIP
ECG955SM	8 Pin SOIC

Dual

ECG978	14 Pin DIP
ECG978C	14 Pin DIP
ECG978SM	14 Pin SOIC

Quad

ECG926	16 Pin DIP

• VCRs

Automatic Phase/Freq Det/Color Osc and Mixer

ECG1592	24 Pin DIP-ET

Capstan Phase Control System

ECG1591	28 Pin DIP

Capstan Speed Control

ECG1686	16+2 Pin DIP-ET

Carrier Osc/FM Demod

ECG1623	16 Pin DIP

Chroma Processor

ECG1599	18 Pin DIP-ET

Color Signal Processor

ECG1266	16 Pin DIP
ECG1269	28 Pin DIP
ECG1408	16 Pin DIP
ECG1702	18 Pin DIP
ECG1703	16 Pin DIP

Counter/Dual Gate Amp/Comparator Hold

ECG1582	24 Pin DIP-ET

Cylinder Motor Drive Control

ECG1613	24 Pin DIP

D/A Converter

ECG1679	14 Pin DIP

Digital Clock/Timer

ECG1414	40 Pin DIP

Drum/Capstan Servo Control

ECG1706	28 Pin DIP

Drum/Capstan Servo Control/Sync/Delay/Counter

ECG1590	24 Pin DIP-ET

Drum Servo Control for Speed/Phase

ECG1701	28 Pin DIP

Drum Servo Control/Sync/Delay/Counter

ECG1588	24 Pin DIP-ET

Dual Switching Power Supply

ECG1717	16 Pin ZIL

Electronic Switch

ECG1603	6 Pin DIP

End of Tape Sensor

ECG1705	3 Pin SIP

FM Demod/AGC/Clipper/Pre-Emph

ECG1583	16+2 Pin DIP-ET

Freq Demod/Noise Cancel/Video Chroma Amp

ECG1596	24 Pin DIP-ET

Freq Divider/Speed Select

ECG1700	18 Pin DIP

Head Amp/Filter/Mixer

ECG1263	16 Pin DIP
ECG1419	14 Pin DIP
ECG1558	18 Pin DIP

Head Amp/Limiter/D.O.C./Switching

ECG1598	24 Pin DIP-ET
ECG1689	18 Pin DIP

Line Noise Canceling Circuit

ECG1713	18 Pin DIP

Loading Motor Drive/Bidirectional Motor Drive

ECG1628	9 Pin SIP-HS

Modulator

ECG872	14 Pin DIP
ECG1555	16 Pin DIP
ECG1709	9 Pin SIP

Motor Drive/Braking

ECG1716	10 Pin SIP-HS

Playback/Chroma/Burst Amp/Det/Killer

ECG1594	24 Pin DIP-ET

Programmable Timer

ECG2207★	18 Pin DIP

Recording Amp

ECG1711	9 Pin SIP

Record/Playback Circuits

ECG1710	22 Pin DIP

Recording Video Proc/FM Mod/AGC/Sync/Clamp

ECG1621	24 Pin DIP

Reference Frequency Divider

ECG1421	9 Pin SIP
ECG1427	7 Pin SIP
ECG1568	16 Pin DIP
ECG1581	8 Pin DIP
ECG9200★	4 Pin SIP
ECG9400★	14 Pin DIP
ECG9401★	14 Pin DIP

Servo Amp/Drive

ECG1636	22 Pin DIP

Servo Controls

ECG1268	28 Pin DIP
ECG1270	24 Pin DIP
ECG1300	8 Pin SIP
ECG1425	16 Pin DIP
ECG1428	28 Pin DIP
ECG1446	16 Pin DIP
ECG1554	12 Pin DIP-W

Sync/AFC/Rotary Circuit

ECG1314	18 Pin DIP

Sync Separator/Divider/Trapezoid Gen

ECG1584	18 Pin DIP-ET

Tape Sensing/Mute/End of Tape/Pause/Loading/Rotation

ECG1586	24 Pin DIP-ET

Three Output Voltage Regulator

ECG1271	8 Pin SIP-HS

Three Phase Capstan Motor Drive/PG/FG/Motor Lock

ECG1630	24 Pin DIP

Three Phase Motor Speed Control Forward/Reverse

ECG1600	16+2 Pin DIP-ET

Timing Circuits, Tuner Band Switches

ECG1609	7 Pin SIP
ECG1625	9 Pin SIP

Video Amp/Color Mixer

ECG1265	18 Pin DIP
ECG1267	16 Pin DIP

Video and FM Sound Mod/Carrier Osc

ECG1611	16 Pin DIP

Video/Color Amp/FM Demod

ECG1622	28 Pin DIP-HS

Video Processor for Recording

ECG1712	22 Pin DIP

Video Signal Processor

ECG1264	16 Pin DIP
ECG1412	24 Pin DIP
ECG1422	28 Pin DIP-HS

Video Sw/Sync Sep/AGC/FM Mod

ECG1601	24 Pin DIP-ET

Video/Sync Amp/AGC/FM Mod/Limiter

ECG1585	16+2 Pin DIP-ET

★ Listed in Misc. Section Page 1-294

Linear IC Selector Guide (cont'd)

- **VCRs (cont'd)**
  - **VIF Amp/Det/Video Amp/Audio Det/AGC**
    - ECG1605 — 24 Pin DIP-ET
  - **Voltage Regulators**
    - ECG1733 — 15 Pin SIP-M
    - ECG1734 — 15 Pin SIP-M
    - ECG1735 — 15 Pin SIP-M
- **Voltage Comparators**
  - **Split DC Power Supply**
    - **Hi Speed**
      - ECG910 — 8 Pin Can
      - ECG910D — 14 Pin DIP
    - **Dual Hi Speed**
      - ECG911 — 10 Pin Can
      - ECG911D — 14 Pin DIP
  - **Single or Split DC Pwr Supply**
    - **Hi Performance**
      - ECG922 — 8 Pin Can
      - ECG922M — 8 Pin DIP
      - ECG922SM — 8 Pin SOIC
    - **Dual Hi Speed**
      - ECG919 — 10 Pin Can
      - ECG919D — 14 Pin DIP
      - ECG1718 — 9 Pin SIP
    - **Dual Lo Offset**
      - ECG943 — 8 Pin Can
      - ECG943M — 8 Pin DIP
      - ECG943SM — 8 Pin SOIC
    - **Quad Lo Offset**
      - ECG834 — 14 Pin DIP
      - ECG834SM — 14 Pin SOIC
- **Voltage Controlled Oscillators**
  - ECG994 — 8 Pin Can
  - ECG994M — 8 Pin DIP
  - ECG1201 — 10 Pin SIP
  - ECG1202 — 10 Pin SIP
  - ECG1203 — 10 Pin SIP
  - ECG1204 — 10 Pin SIP
  - ECG1247 — 10 Pin SIP
  - ECG1262 — 10 Pin SIP
- **Voltage Reference**
  - ECG952 — TO-92
- **Voltage Regulators***
  - **Positive Fixed VR**
    - ECG977 — TO-92
    - ECG988 — TO-92
    - ECG981 — TO-92
    - ECG988 — TO-92
    - ECG988 — TO-92
    - ECG1902 — TO-92
    - ECG950 — TO-92
    - ECG1251 — 8 Pin DIP-ET
    - ECG951 — TO-92
    - ECG1906 — TO-92
    - ECG1908 — TO-92
    - ECG309K — TO-3
    - ECG960 — TO-220
    - ECG962 — TO-220
    - ECG964 — TO-220
    - ECG966 — TO-220
    - ECG968 — TO-220
    - ECG958 — TO-220
    - ECG972 — TO-220
    - ECG1914 — TO-3
    - ECG1916 — TO-3
    - ECG1920 — TO-3
    - ECG1924 — TO-3
    - ECG1934 — TO-3PJ
    - ECG1936 — TO-3PJ
    - ECG1938 — TO-3PJ
    - ECG1940 — TO-3PJ
    - ECG931 — TO-3
    - ECG1912 — TO-3
    - ECG1918 — TO-3
    - ECG932 — TO-3
    - ECG933 — TO-3
    - ECG934 — TO-3
  - **Negative Fixed VR**
    - ECG1917 — TO-92
    - ECG1903 — TO-92
    - ECG1905 — TO-92
    - ECG1907 — TO-92
    - ECG1909 — TO-92
    - ECG961 — TO-220
    - ECG963 — TO-220
    - ECG965 — TO-220
    - ECG967 — TO-220
    - ECG969 — TO-220
    - ECG959 — TO-220
    - ECG971 — TO-220
    - ECG1913 — TO-3
    - ECG1915 — TO-3
    - ECG1919 — TO-3
    - ECG1923 — TO-3
    - ECG1925 — TO-3
  - **Adjustable Negative VR**
    - ECG1901 — TO-92
    - ECG1927 — TO-3 (4 Pin)
    - ECG954 — TO-202 (4 Pin)
    - ECG957 — TO-220
    - ECG1911 — TO-3
  - **Adjustable Positive VR**
    - ECG758 — 4 Pin DIP-Q
    - ECG759 — 4 Pin DIP-Q
    - ECG765 — 6 Pin DIP-Q
    - ECG757 — 4 Pin DIP-Q
    - ECG1928 — 8 Pin Can
    - ECG1930 — 8 Pin DIP
    - ECG1900 — TO-92
    - ECG953 — TO-202 (4 Pin)
    - ECG1926 — TO-3 (4 Pin)
    - ECG956 — TO-220
    - ECG970 — TO-3
    - ECG935 — TO-3
  - **Positive or Negative Adjustable VR**
    - ECG923 — 10 Pin Can
    - ECG923D — 14 Pin DIP
  - **Positive or Negative Dual VR**
    - ECG921 — 14 Pin DIP
  - **Switching Regulator**
    - ECG1681 — 15 Pin SIP-HS
  - **Switching SCR Driver**
    - ECG1751 — 7 Pin SIP
  - **Three Regulated Voltage Outputs**
    - ECG1271 — 8 Pin SIP-HS
  - **TV Power Supply Control**
    - ECG1479 — 9 Pin SIP
- **Wireless Microphones**
  - ECG1014 — 9 Pin ZIL
  - ECG1017 — 5 Pin ZIL
- **Zero Voltage Switches**
  - ECG776 — 8 Pin DIP
  - ECG914 — 14 Pin DIP
  - ECG936 — 16 Pin DIP
  - ECG939 — 16 Pin DIP
- **Misc Circuits**
  - **Tone Decoder**
    - ECG832 — 8 Pin DIP
    - ECG832SM — 8 Pin SOIC
  - **Battery Protection Circuit**
    - ECG1136 — 14 Pin DIP
  - **LED Flasher/Osc.**
    - ECG876 — 8 Pin DIP
  - **Precision Wave Form Generator**
    - ECG864 — 14 Pin DIP
  - **Quad Single Pole Analog Open Switch**
    - ECG861 — 16 Pin DIP

* Listed by order of current and voltage.
Regulator Ratings on Page 1-152

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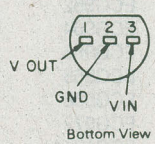
Voltage Regulator Selector Guide

Fixed Regulators

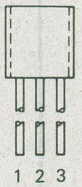
Output Voltage V_{OUT} (DC) ±5%	ECG Type		I_O A (DC)	Input Voltage V_{IN} (DC)		P_D Watts	Case Style
	Pos	Neg		Max	Min		
5	977	1917	0.1	30	7	0.7	TO-92
6.2	988	--	0.1	35	8.2	0.7	
8	981	--	0.1	30	10	1.0	
9	1902	--	0.1	30	11	0.7	
12	950	1903	0.1	35	14	0.7	
15	951	1905	0.1	35	17	0.7	
18	1906	1907	0.1	35	20	0.7	
24	1908	1909	0.1	40	26	0.7	
5	960	961	1.0	35	7	15	TO-220
6	962	963	1.0	35	8	15	
8	964	965	1.0	35	10	15	
10	1932	--	1.0	35	12	20	
12	966	967	1.0	35	14	15	
15	968	969	1.0	35	17	15	
18	958	959	1.0	35	20	15	
24	972	971	1.0	40	26	15	
5	1934	--	2	30	8	50	TO-3PJ
12	1936	--	2	35	15	50	
15	1938	--	2	40	18	50	
24	1940	--	2	40	27	50	
5	309K	1913	1.5	35	7.5	20	TO-3
5	931	--	3	20	7.5	30	
5	932	--	5	25	8.5	50	
12	1914	1915	1.5	35	14.1	15	
12	1912	--	3	35	14.5	30	
12	933	--	5	30	14.6	50	
13.8	934	--	5	35	16.4	50	
15	1916	1919	1.5	40	17.4	20	
15	1918	--	3.0	35	17.5	30	
18	1920	1923	1.5	35	20.5	20/15	
24	1924	1925	1.5	40	26.4	20/15	

TO-92

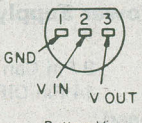
Positive



Bottom View



Negative

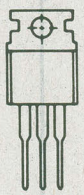


Bottom View

TO-220

Positive

Tab Common to Pin 2
1. Input
2. Ground
3. Output

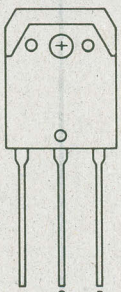


Negative

1. Ground
2. Input
3. Output

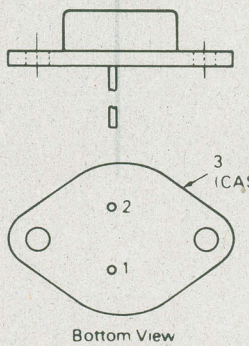
Tab Common to Pin 2

TO-3PJ



1. Output
2. (Case) Input
3. GND

TO-3



Bottom View

Positive

1. Input
2. Output
3. GND

Negative

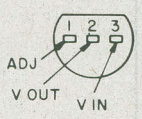
1. GND
2. Output
3. Input

Adjustable Regulators

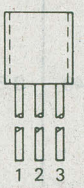
Output Voltage V_{OUT} (DC) ±5%	ECG Type		I_O A (DC)	Input Voltage V_{IN} (DC)		P_D Watts	Case Style
	Pos	Neg		Max	Min		
1.2—37	1900	1901	0.1	40	2.45	0.625	TO-92
1.2—37	956	957	1.5	40	3.7	15.0	TO-220
1.2—37	--	1911	1.5	40	2.45	20	TO-3
1.2—33	970	--	3.0	35	3.7	30	TO-3
1.2—32	935	--	5.0	35	2.45	50	TO-3
5—30	1926	--	1.0	40	7.5	15	TO-3 4-Pin
2.2—30	--	1927	1.0	40	4.7	15	TO-3 4-Pin
5—30	953	--	1.0	40	7.5	15	TO-202 4-Pin
2.2—30	--	954	1.0	40	7.0	15	TO-202 4-Pin

TO-92

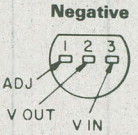
Positive



Bottom View



Negative

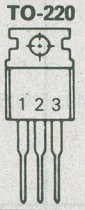


Bottom View

TO-220

Positive

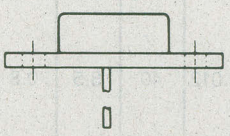
Tab Common to V_{OUT}
1. ADJ
2. V_{OUT}
3. V_{IN}



Negative

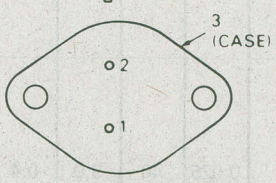
Tab Common to V_{IN}
1. ADJ
2. V_{IN}
3. V_{OUT}

TO-3



Positive

1. ADJ
2. Input
3. Output

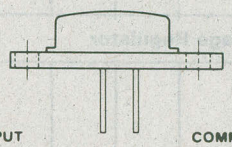


Bottom View

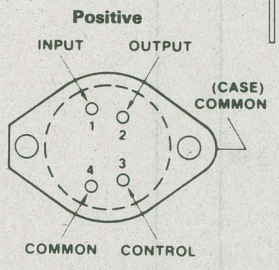
Negative

1. ADJ
2. Output
3. Input

TO-3 4-Pin

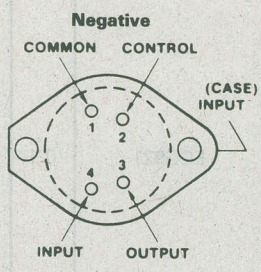


Positive



BOTTOM VIEW

Negative

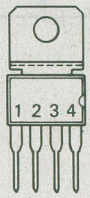


BOTTOM VIEW

TO-202 4-Pin

Positive

Tab Common to Pin 1
1. Common
2. Input
3. Output
4. Control



Negative

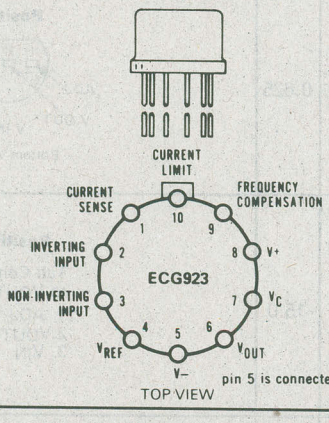
Tab Common to Pin 4
1. Common
2. Control
3. Output
4. Input

N

Adjustable Regulators — Precision Types

Output Voltage V_{OUT} (DC) ±5%	ECG Type Pos	ECG Type Neg	I_O A (DC)	Input Voltage V_{IN} (DC) Max	Input Voltage V_{IN} (DC) Min	P_D Watts	Case Style
2—37	923	--	0.15	40	9.5	0.8	10-Pin Can / 14-Pin DIP
2—37	923D	--	0.15	40	9.5	0.9	10-Pin Can / 14-Pin DIP
4.5—30	1928	--	0.012	40	8.5	0.8	8-Pin Can / 8-Pin DIP
5—37	1930	--	0.025	40	9.0	0.4	8-Pin Can / 8-Pin DIP
Dual Tracking Voltage Regulator							14-Pin DIP
±15	ECG921		0.1	±30	±18	1	14-Pin DIP

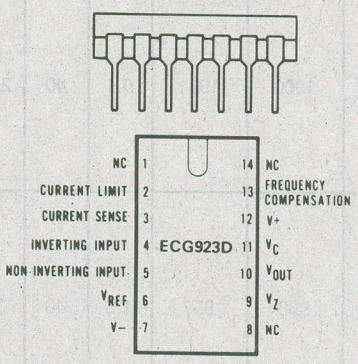
10-Pin Can



TOP VIEW

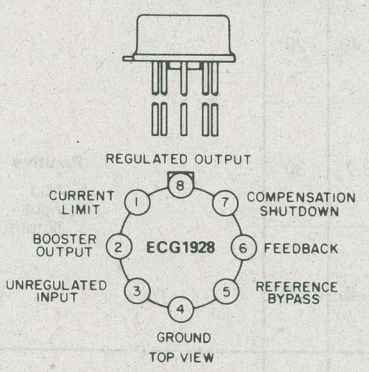
pin 5 is connected to case

14-Pin DIP



TOP VIEW

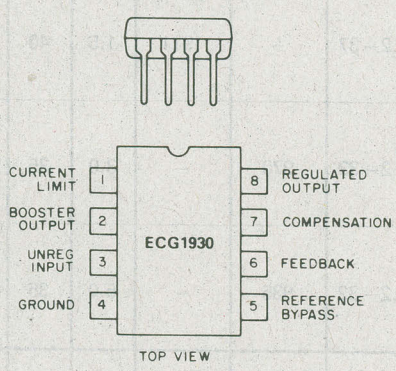
8-Pin Can



TOP VIEW

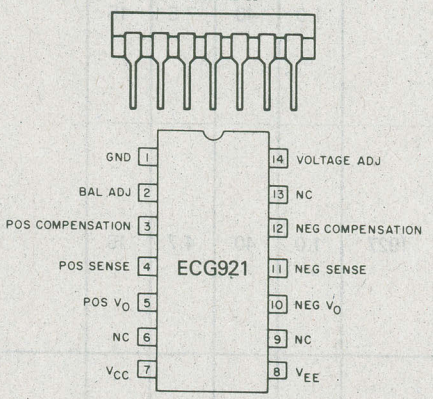
NOTE: PIN 4 CONNECTED TO CASE

8-Pin DIP



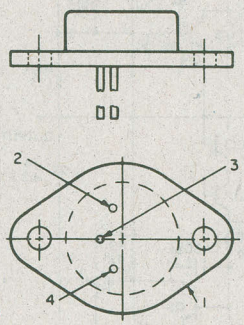
TOP VIEW

14-Pin DIP

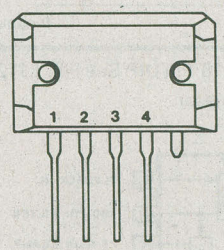


TV Fixed Voltage Regulators

Output Voltage V_{OUT} (DC) ±1 V	ECG Type		Max I_O A (DC)	Input Voltage VIN (DC)		P_D Watts T_C = 100°C	Case Style
	Pos	Neg		Max	Min		
120	1719	--	1	200	122	25	TO-3
123	1548	--	1	200	125	25	
127	1553	--	1	200	129	25	
130	1546	--	1	200	132	25	
115	1740	--	1	200	117	40	4-Pin SIP
125	1741	--	1	200	127	40	
130	1742	--	1	200	132	40	
135	1743	--	1	200	137	40	



1. Input/Case
2. Output
3. Common
4. Base



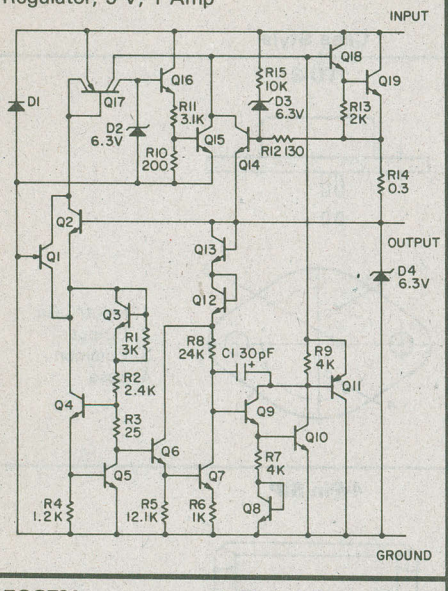
1. Input
2. Base
3. Common
4. Output

N

Linear IC and Module Circuits

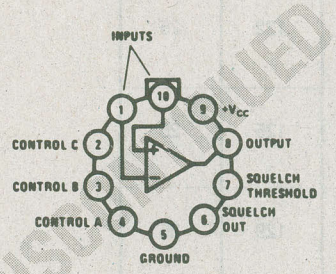
ECG309K TO-3 See Fig. L11

Regulator, 5 V, 1 Amp



ECG370A 10-Pin Can See Fig. L7

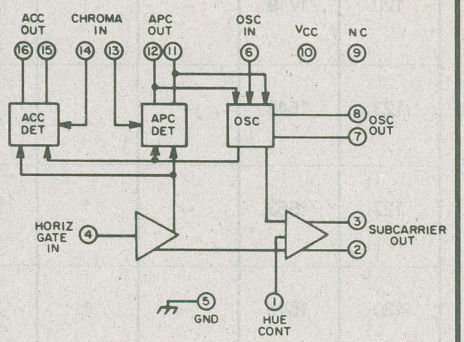
Squelch, AGC, AFC



Top View

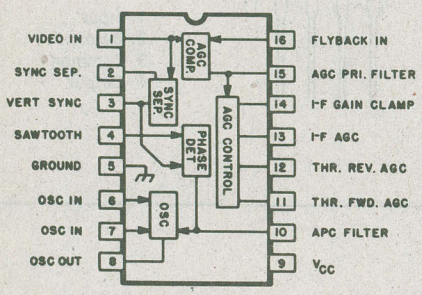
ECG700 16-Pin DIP See Fig. L112

TV Chroma Subcarrier Regeneration



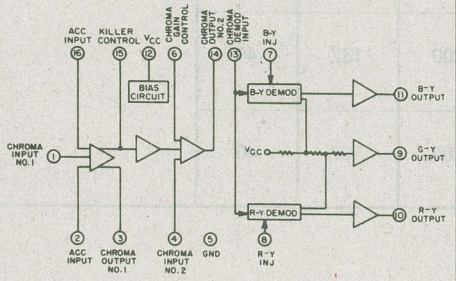
ECG701 16-Pin DIP See Fig. L112

TV Video Signal Processor



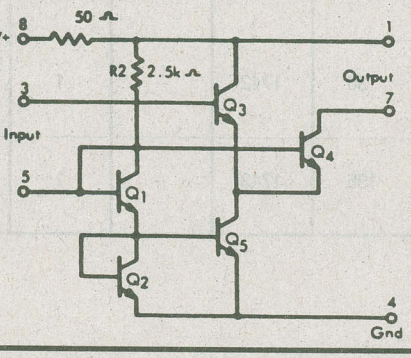
ECG702 16-Pin DIP See Fig. L112

TV Chroma Processor



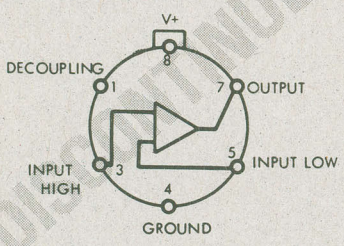
ECG703 6-Pin Plastic See Fig. L1A

RF/IF Amp, Osc, Mixer



ECG703A 8-Pin Can See Fig. L1

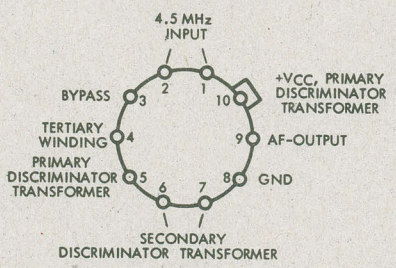
RF/IF Amplifier, Replacement for μA703, μA703A, ECG703, etc.



NOTE: PIN 4 CONNECTED TO CASE

ECG704 10-Pin Can See Fig. L5

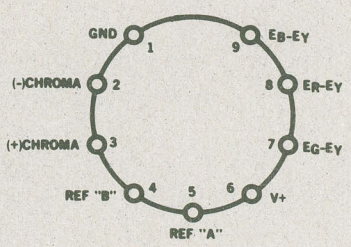
TV Sound and IF Amplifier and Detector



Top View

ECG705A 9-Pin Can See Fig. L4

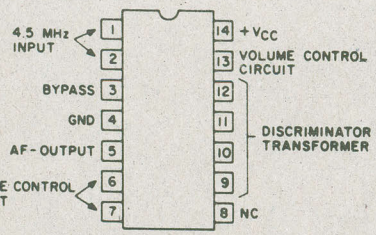
Chroma Demodulator



Top View

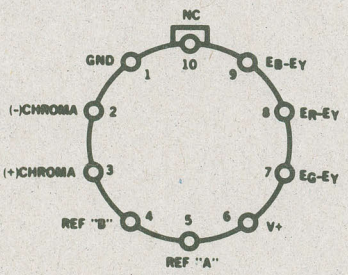
ECG706 14-Pin DIP Fig. L104

TV/FM IF Amp/Limiter/Detector/Audio Driver for Tube-Type Audio Power Amplifiers



ECG707 10-Pin Can See Fig. L7

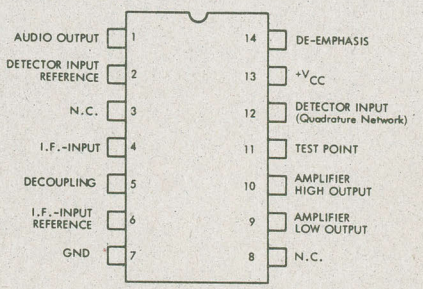
Chroma Demodulator



Top View

ECG708 14-Pin DIP See Fig. L104

FM & TV Sound IF Amp/Detector/Limiter

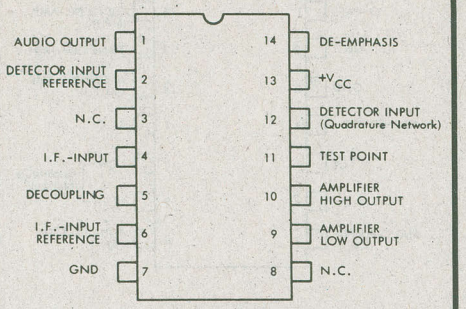


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

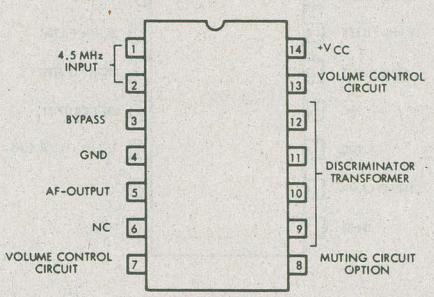
ECG709 14-Pin DIP See Fig. L104

FM & TV Sound IF Amp/Detector/Limiter for Portable & Vehicular Equipment



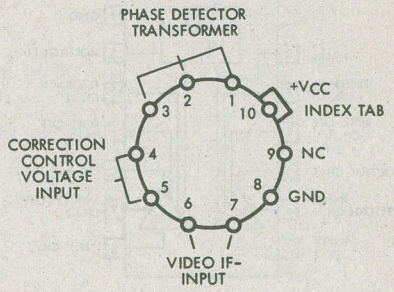
ECG710 14-Pin DIP-Q See Fig. L107 (14-Pin DIP See Alternate Fig. L104)

TV/FM IF Amp/Limiter/Detector/Audio Driver for Transistor-Type Power Amplifiers



ECG711 10-Pin Can See Fig. L5

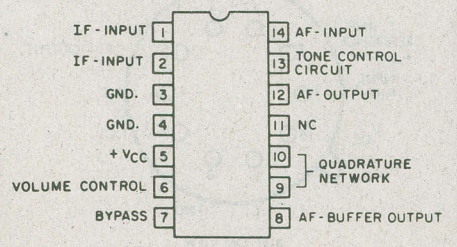
Color TV-AFT System



Top View

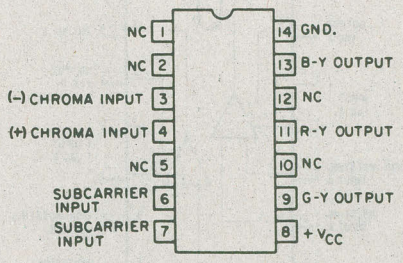
ECG712 14-Pin DIP See Fig. L104 (14-Pin DIP-Q See Alternate Fig. L107)

FM & TV Sound IF Detector & Electronic Attenuator



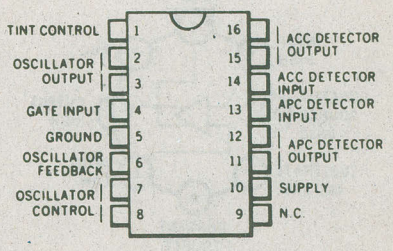
ECG713 14-Pin DIP See Fig. L104

Chroma Demodulator



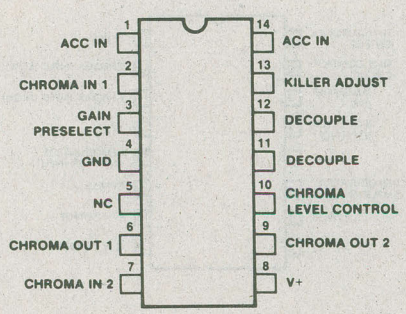
ECG714 16-Pin DIP See Fig. L111

Color Subcarrier Regenerator



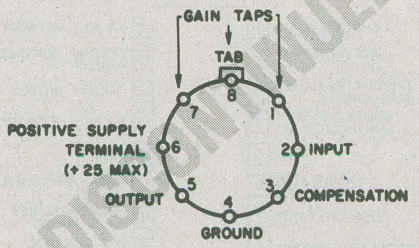
ECG715 14-Pin DIP See Fig. L104

Chroma IF Amplifier



ECG716 8-Pin Can See Fig. L3

Audio Amplifier. Replacement for μA716 Series

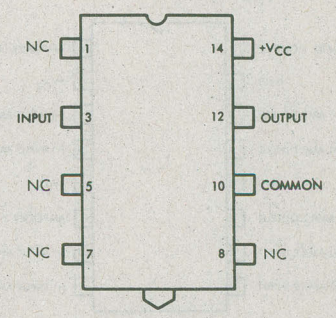


BOTTOM VIEW

DISCONTINUED

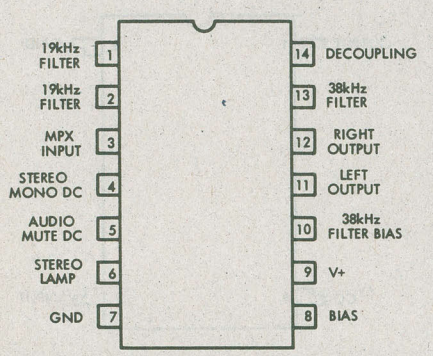
ECG717 14-Pin DIP-EP See Fig. L139

Audio Power Amplifier. Replacement for PA234



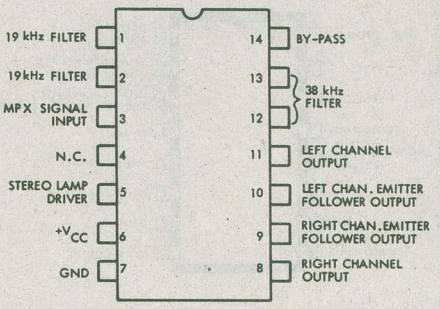
ECG718 14-Pin DIP See Fig. L104

FM-Stereo Multiplex Demodulator



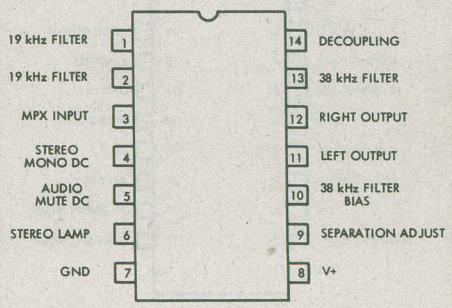
ECG719 14-Pin DIP See Fig. L104

FM-Stereo Multiplex Demodulator. Emitter Follower Outputs



ECG720 14-Pin DIP See Fig. L104

FM-Stereo Multiplex Demodulator with Adjustable Stereo Channel Separation

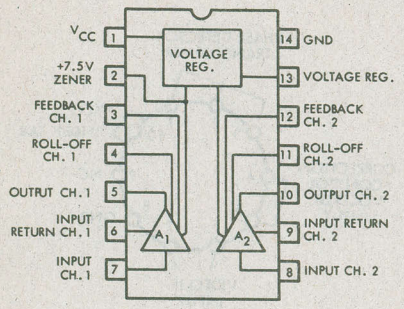


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

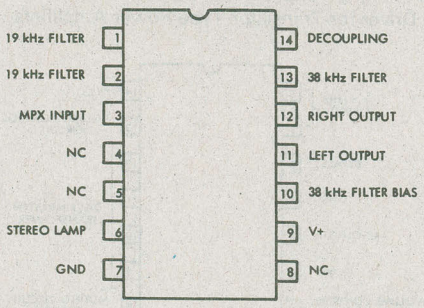
ECG721 14-Pin DIP See Fig. L104

Dual Low-Noise, Low-Level Preamplifier



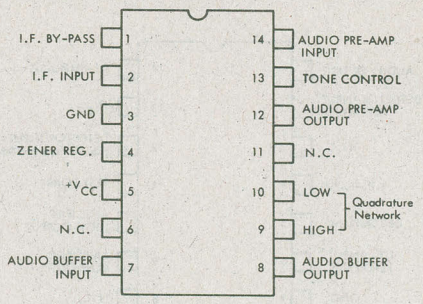
ECG722 14-Pin DIP See Fig. L104

FM-Stereo Multiplex Demodulator



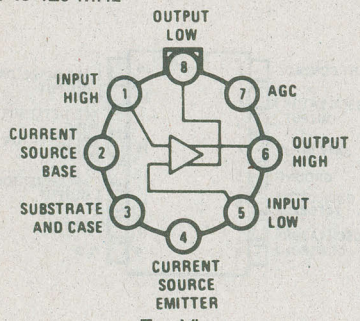
ECG723 14-Pin DIP See Fig. L104

FM Sound System for Communications & High-Fidelity FM Receivers



ECG724 8-Pin Can See Fig. L3

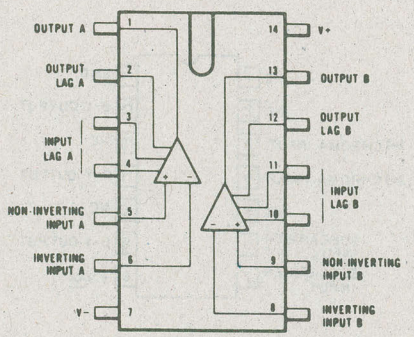
Differential/Cascade Amplifier for Communications & Industrial Equipment. From DC to 120 MHz



Top View

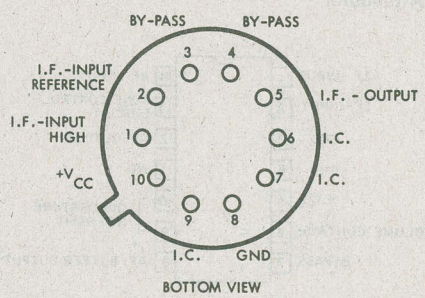
ECG725 14-Pin DIP See Fig. L104

Dual Low-Noise Operational Amplifier



ECG726 10-Pin Can See Fig. L7

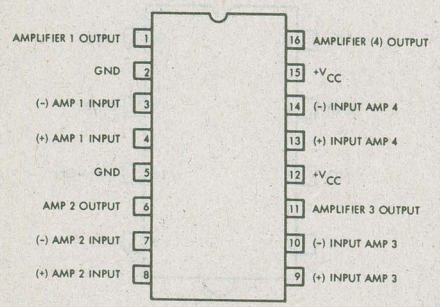
Wide-Band Amplifier Replacement for CA3011 and CA3012



BOTTOM VIEW

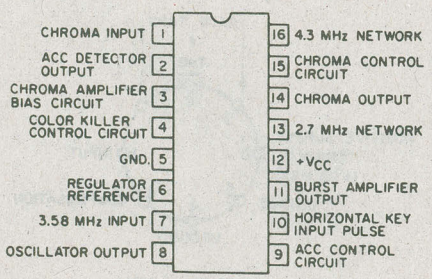
ECG727 16-Pin DIP See Fig. L111

Four Independent AC Amplifiers for Low-Noise AC Applications in Consumer and Industrial Service



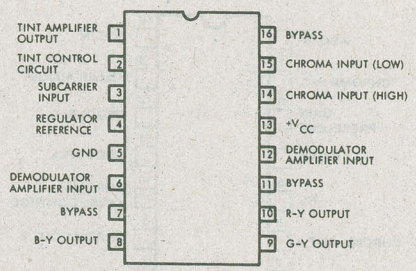
ECG728 16-Pin DIP-Q See Fig. L113

Chroma Signal Processor



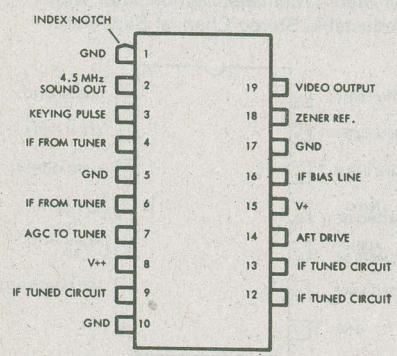
ECG729 16-Pin DIP-Q See Fig. L113

Chroma Demodulator



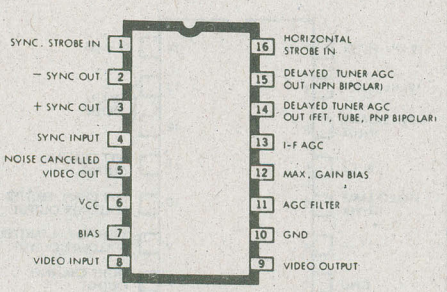
ECG730 16+2-Pin DIP-Q See Fig. L117

TV Video IF System



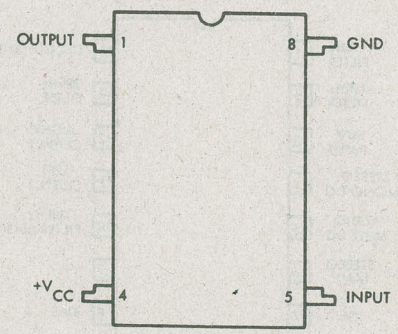
ECG731 16-Pin DIP See Fig. L111

Video Signal Processor. Replacement for Zenith 221-45



ECG735 4-Pin DIP See Fig. L96

Class "A" Audio Driver

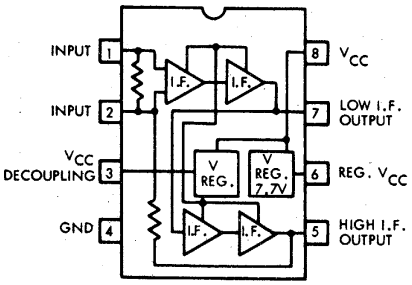


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

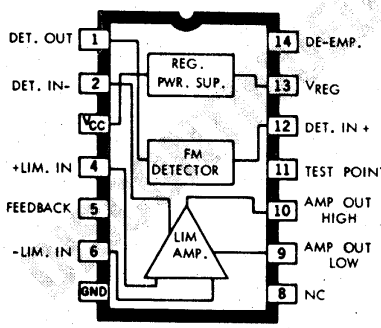
ECG736 8-Pin DIP See Fig. L97

FM Gain Block with Voltage Regulator



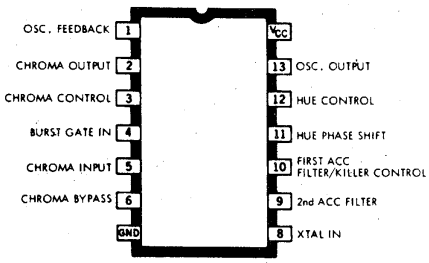
ECG737 14-Pin DIP See Fig. L104

FM Limiter/Detector with Voltage Regulator



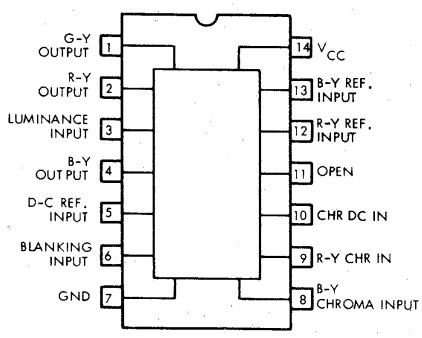
ECG738 14-Pin DIP See Fig. L104

Chroma IF Amp, Automatic Chroma Control, Color Killer, Injection Lock Reference System, and DC Hue Control



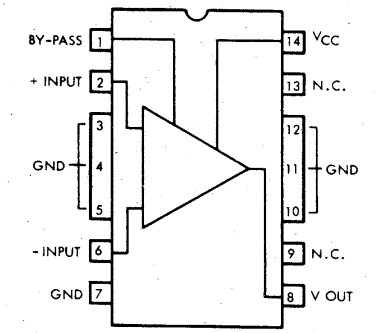
ECG739 14-Pin DIP See Fig. L104

Chroma Demodulator with RGB Matrix and Chroma Driver Stages



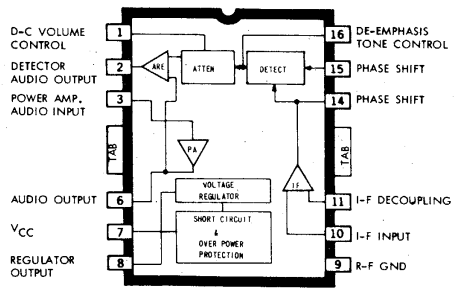
ECG740A 14-Pin DIP-W See Fig. L106 (14-Pin DIP-W See Alternate Fig. L132)

AF PO, 2 W



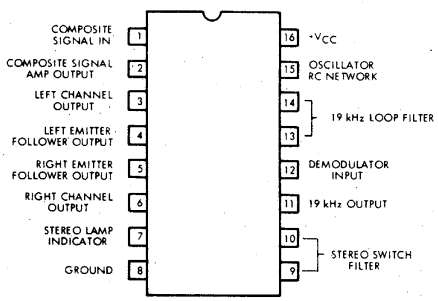
ECG742 16-Pin DIP-W See Fig. L136

TV Sound System, 2 W PO



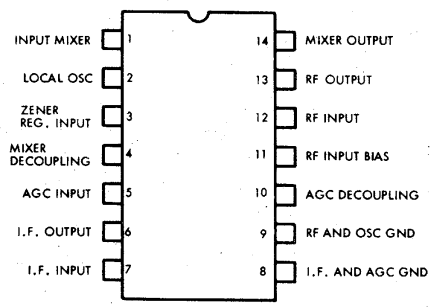
ECG743 16-Pin DIP See Fig. L111

FM Stereo Decoder - Phase-Locked Loop



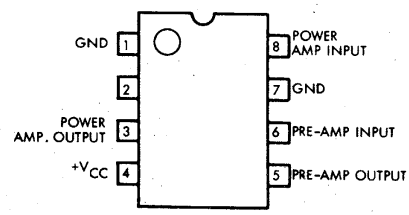
ECG744 14-Pin DIP See Fig. L104

RF IF Amplifier for AM Radio



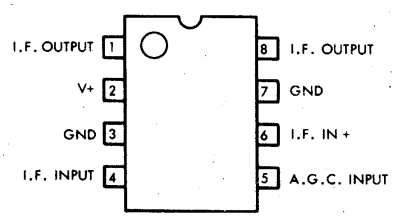
ECG745 8-Pin DIP See Fig. L98

1/2-Watt Audio Amplifier



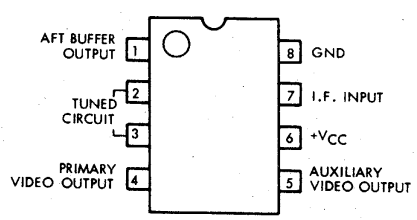
ECG746 8-Pin DIP See Fig. L98

FM TV Sound IF Amplifier



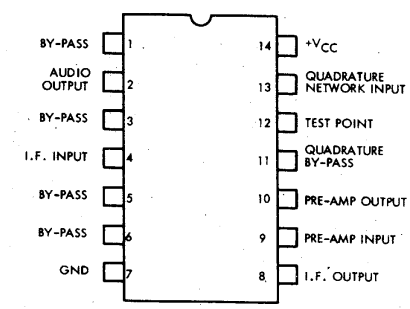
ECG747 8-Pin DIP See Fig. L98

Low-Level Video Detector



ECG748A 14-Pin DIP See Fig. L104

TV Sound IF Amp/Limiter/Detector, Audio Preamp



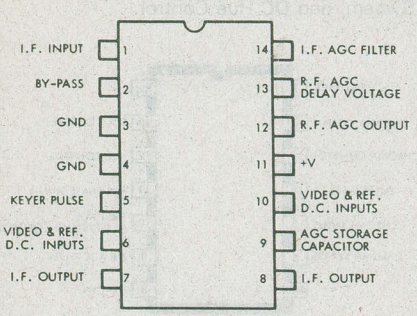
N

Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

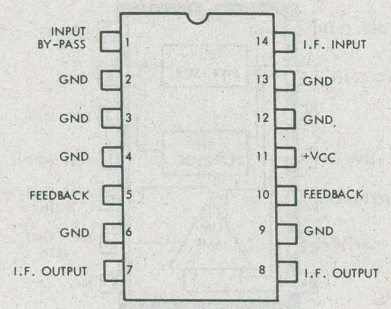
ECG749 14-Pin DIP See Fig. L104

TV Video IF Amplifier with Keyed AGC



ECG750 14-Pin DIP See Fig. L104

Four-Stage, High-Gain FM/IF Amplifier/ Limiter



ECG752 4-Pin DIP-Q See Fig. L94

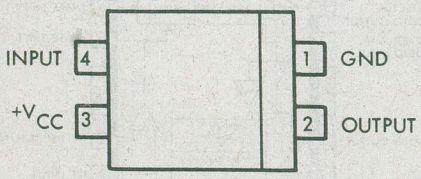
1/4-Watt Audio Output - for Battery-Operated Portable Equipment. Replacement for MFC4000B



DISCONTINUED

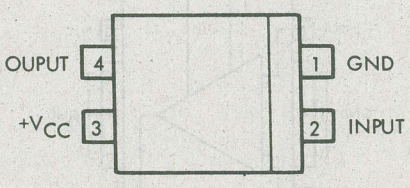
ECG753 4-Pin DIP-Q See Fig. L94

Wide-Band Amplifier. Replacement for MFC4010A



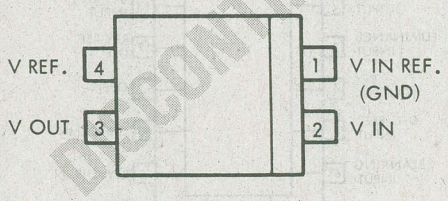
ECG755 4-Pin DIP-Q See Fig. L94

Class "A" Audio Driver. Replacement for MFC4050



ECG757* 4-Pin DIP-Q See Fig. L94

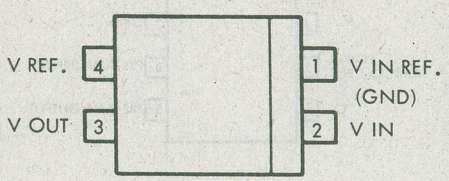
Voltage Regulator 9-35 Volts,
200 mA - I LOAD (max)
Load Regulation 1 mA - 50 mA - 0.4%
Line Regulation 0.06%
Replacement for MFC4062, MFC4062A



DISCONTINUED

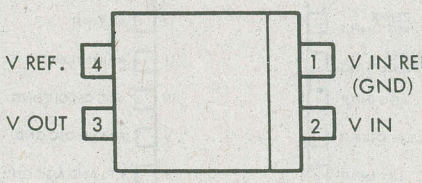
ECG758* 4-Pin DIP-Q See Fig. L94

Voltage Regulator 9-20 Volts,
200 mA - I LOAD (max)
Load Regulation 1 mA - 50 mA - 0.2%
Line Regulation 0.03%
Replacement for MFC4063, MFC4063A



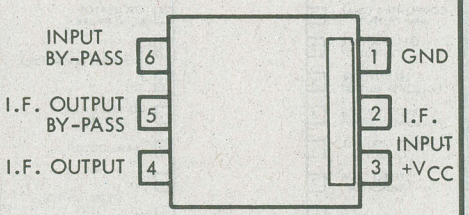
ECG759* 4-Pin DIP-Q See Fig. L94

Voltage Regulator 9-20 Volts,
200 mA - I LOAD (max)
Load Regulation 1 mA - 50 mA - 0.4%
Line Regulation 0.06%
Replacement for MFC4064, MFC4064A



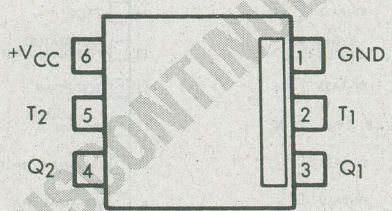
ECG760 6-Pin DIP-Q See Fig. L95

FM IF Amplifier. Replacement for MFC6010



ECG761 6-Pin DIP-Q See Fig. L95

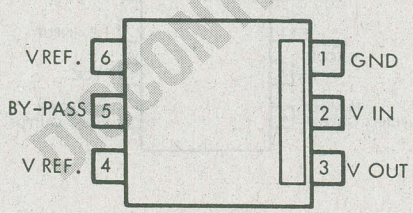
Dual Toggle Flip-Flop. Replacement for MFC6020



DISCONTINUED

ECG763 6-Pin DIP-Q See Fig. L95

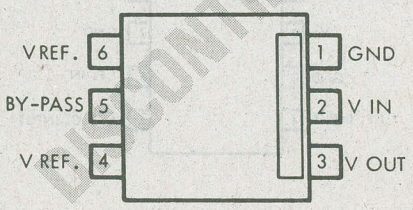
Voltage Regulator 9-35 Volts,
200 mA - I LOAD (max). Permits External Compensation and Current Limiting
Load Regulation 1 mA - 50 mA - 0.4%
Line Regulation 0.06%
Replacement for MFC6032, MFC6032A



DISCONTINUED

ECG764 6-Pin DIP-Q See Fig. L95

Voltage Regulator 9-20 Volts,
200 mA - I LOAD (max). Permits External Compensation and Current Limiting
Load Regulation 1 mA - 50 mA - 0.2%
Line Regulation 0.03%
Replacement for MFC6033, MFC6033A



DISCONTINUED

Use ECG765

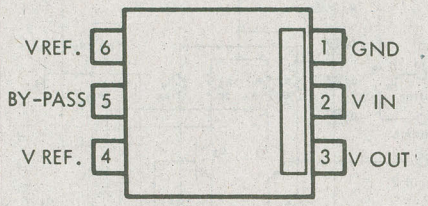
* 3-Volt Differential Between V_{IN} and V_{OUT}

Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

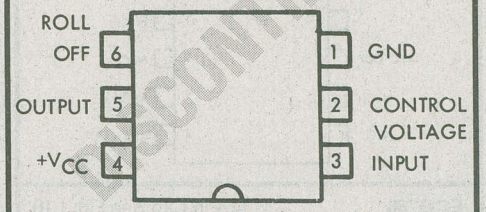
ECG765 6-Pin DIP-Q See Fig. L95

Voltage Regulator 9-20 Volts, 200 mA - I LOAD (max). Permits External Compensation and Current Limiting
Load Regulation 1 mA - 50 mA - 0.4%
Line Regulation 0.06%
Replacement for MFC6034, MFC6034A



ECG766A Fig. L100
(8-Pin DIP See Alternate Fig. L97)

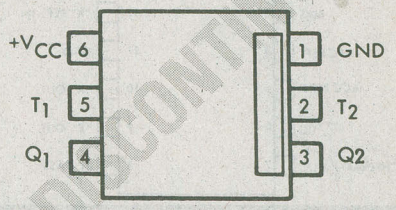
Electronic Attenuator - DC-Operated Volume Control, Compression and Expansion Amplifier. Controlled by DC Voltage or External Variable Resistor. Replacement for MFC6040



Use ECG829

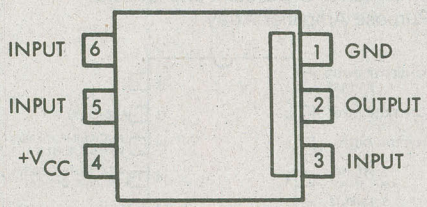
ECG767 6-Pin DIP-Q see Fig. L95

Dual Toggle Flip-Flop with Reset. Compatible with TTL and DTL. Reset (R) Available to Set Output to "0" Regardless of Previous History. Replacement for MFC6050



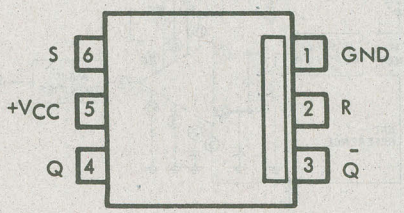
ECG768 6-Pin DIP-Q See Fig. L95

3-Input AND Gate. Compatible with TTL and DTL. Replacement for MFC6060



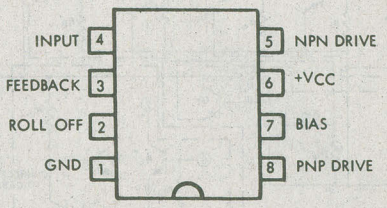
ECG770 6-Pin DIP-Q See Fig. L95

RS Flip-Flop. Compatible with TTL and DTL. High-Current Buffered Outputs Allow Direct Drive of Medium Current Lamps and Relays. Replacement for MFC6080



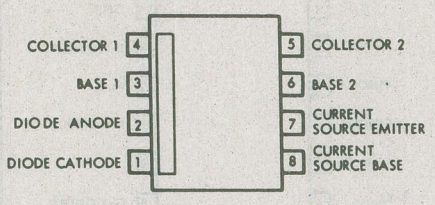
ECG772A 8-Pin DIP-Q See Fig. L101
(8-Pin DIP See Alternate Fig. L97)

Audio Pre-Amp and Class "B" Driver. For Complementary Output Transistors. Drives Up to 15-Watt Output into 4-Ohm Load Stages. Replacement for MFC8020



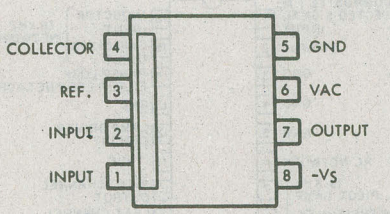
ECG773 8-Pin DIP-Q See Fig. L99

Differential/Cascade Amplifier. Diode Available for Biasing. Replacement for MFC8030



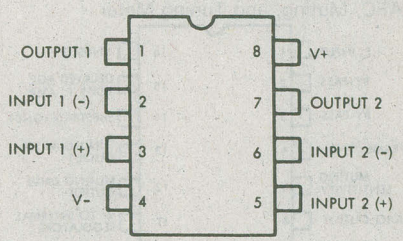
ECG776 8-Pin DIP-Q See Fig. L99

Zero Voltage Switch for Use in AC Power Switching Applications with Output Drive Capable of Triggering TRIAC. Replacement for MFC8070



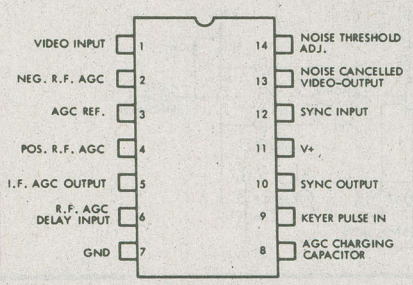
ECG778A 8-Pin DIP See Fig. L98
ECG778SM 8-Pin SOIC See Fig. L159

Dual, Internally Compensated, High-Performance Operational Amplifier



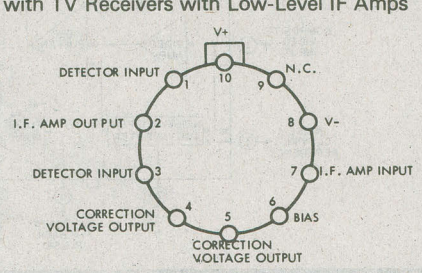
ECG779A 14-Pin DIP See Fig. L104

TV Signal Processor, Sync Separator, Noise Inverter, AGC Comparator, RF AGC Delay Amplifier. For Color or Monochrome TV Receivers



ECG780 10-Pin Can See Fig. L5

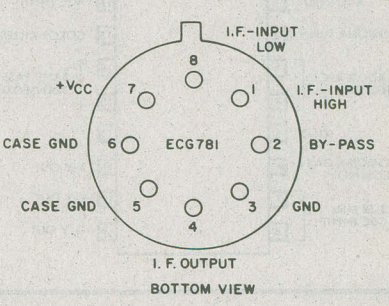
Wide-Band Amplifier, Differential Detector, DC Amplifier, and Zener Diode Regulator for Automatic Frequency Control Applications. High-Gain IF Amplifier Allows Use with TV Receivers with Low-Level IF Amps



Top View

ECG781 8-Pin Can See Fig. L3

High-Gain, Wide Band IF Amplifier/Limiter for Use in High-Quality FM and Communications Receivers



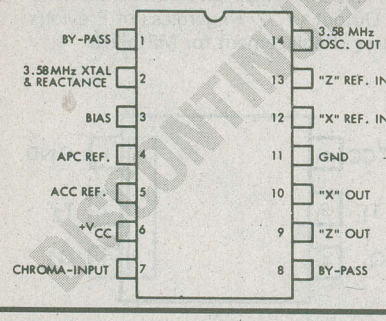
BOTTOM VIEW

Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

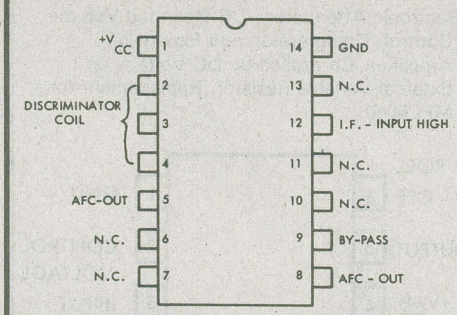
ECG782 14-Pin DIP See Fig. L104

Chroma Demodulator. Replacement for Philco 46-5002-5 and 46-5002-21



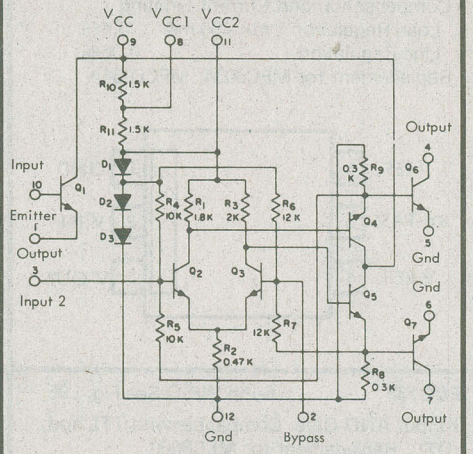
ECG783 14-Pin DIP See Fig. L104

TV Automatic Frequency Control



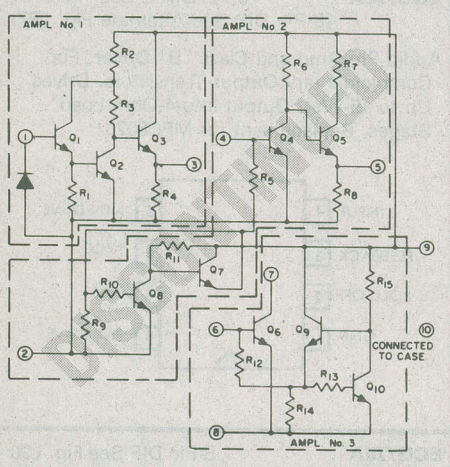
ECG784 12-Pin Can See Fig. L9

Multi-Purpose, Wide-Band Power Amplifiers for Industrial and Commerical Equipment



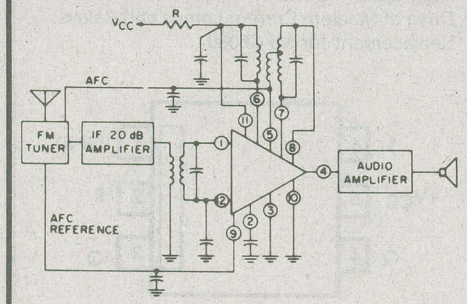
ECG785 10-Pin Can See Fig. L7

Ultra High-Gain, Wide-Band Amplifier Array. Three Individual General-Purpose Amplifiers



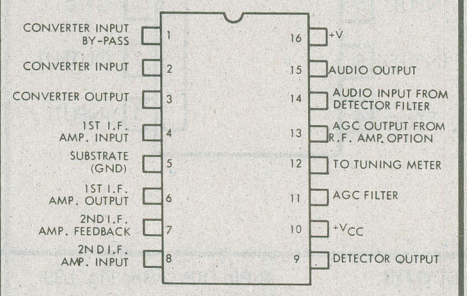
ECG786 12-Pin Can See Fig. L10

FM IF Amp/Limiter/Detector, AF Preamp and Driver. For Communications Receivers and High-Fidelity FM Receivers



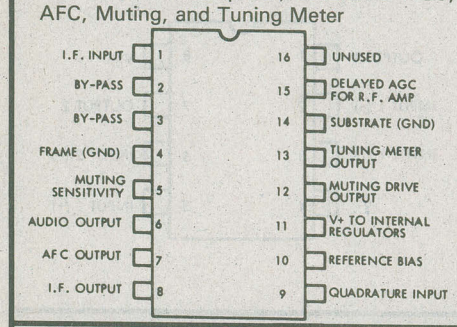
ECG787 16-Pin DIP See Fig. L111

AM Receiver Subsystem and General-Purpose Amplifier Array



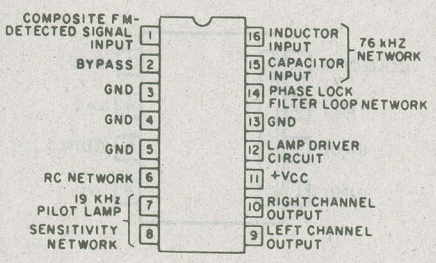
ECG788 16-Pin DIP See Fig. L111

FM IF System. IF Amplifier, Quadrature Detector, AF Preamplifier, Circuits for AGC, AFC, Muting, and Tuning Meter



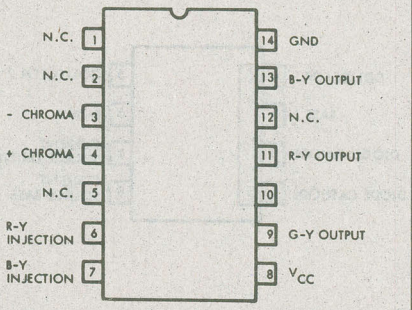
ECG789 16-Pin DIP-Q See Fig. L113

FM-Stereo Decoder



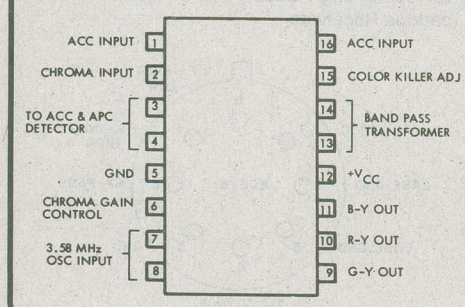
ECG790 14-Pin DIP See Fig. L104

Dual Chroma Demod



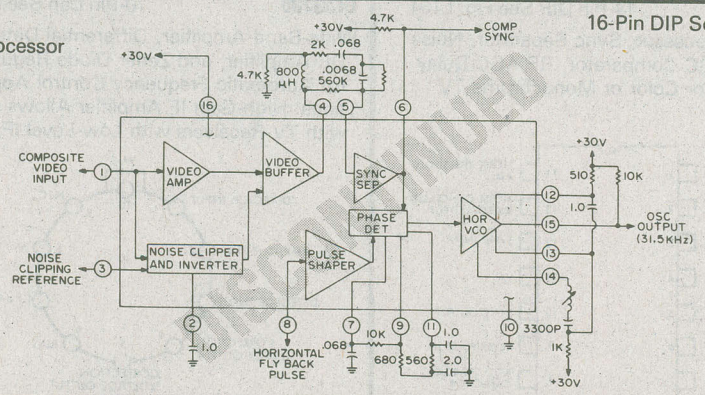
ECG791 16-Pin DIP See Fig. L111

Chroma Amp, Demod



ECG792 16-Pin DIP See Fig. L112

Horiz Processor

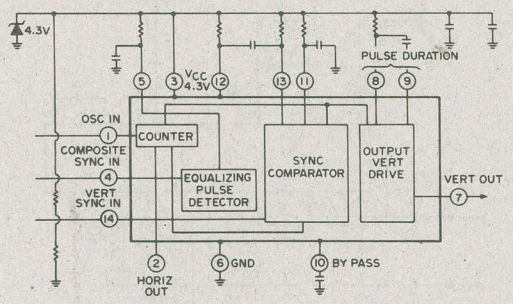


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

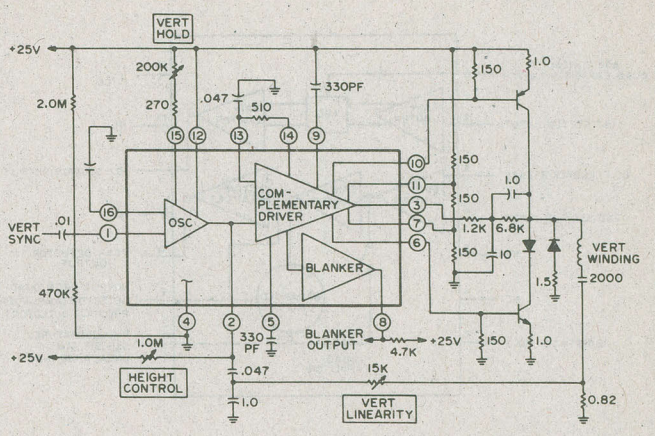
ECG793 14-Pin DIP See Fig. L104

Vert Countdown



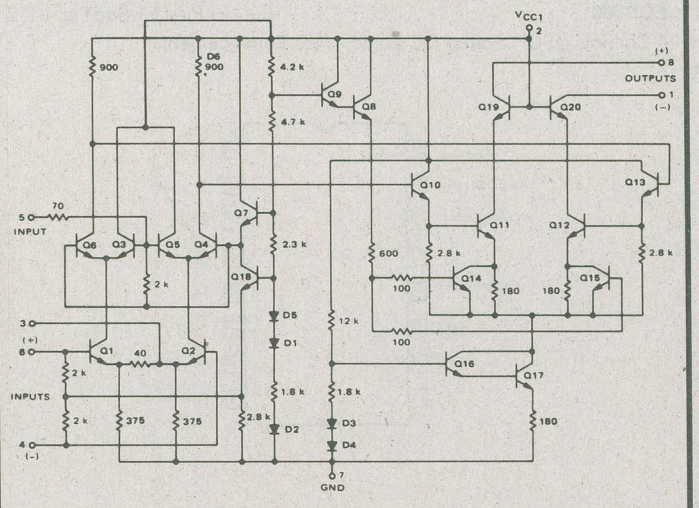
ECG794 16-Pin DIP See Fig. L112

Vert Driver



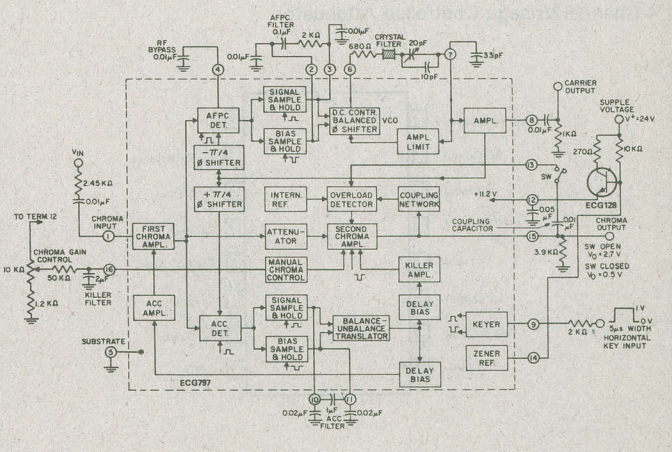
ECG795 8-Pin DIP See Fig. L97

AGC Control and IF Amp



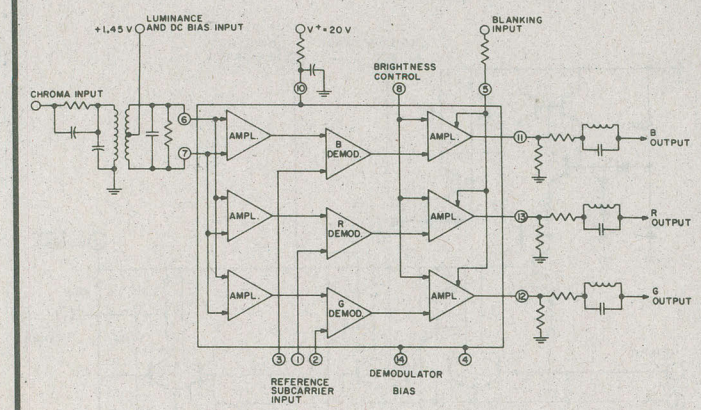
ECG797 16-Pin DIP-Q See Fig. L113

Chroma Processor



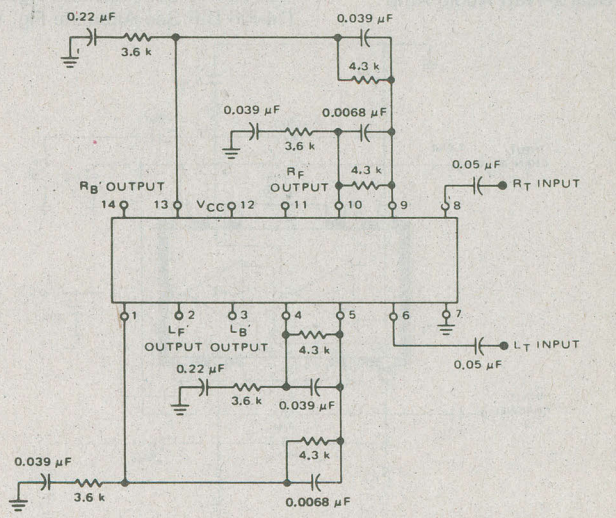
ECG798 14-Pin DIP See Fig. L104

Chroma Demod



ECG799 14-Pin DIP See Fig. L104

4-Channel "SQ" Stereo Decoder



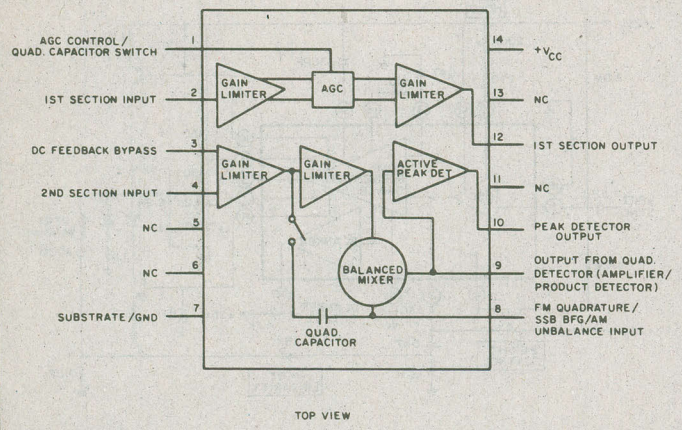
Package Outlines - See Page 1-297

N

Linear IC and Module Circuits (cont'd)

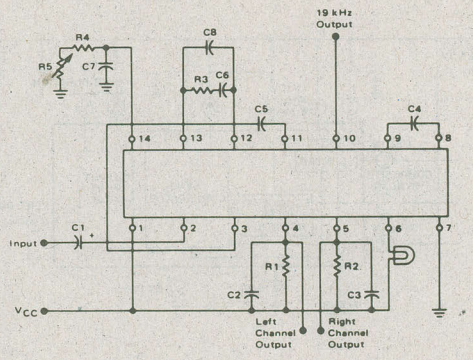
ECG800 14-Pin DIP See Fig. L104

FM/AM/SSB IF Amp, Det



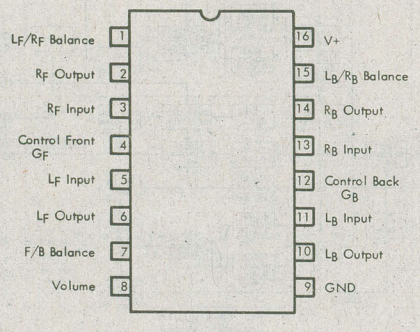
ECG801 14-Pin DIP See Fig. L104

FM Stereo Demod, Phase Locked Loop



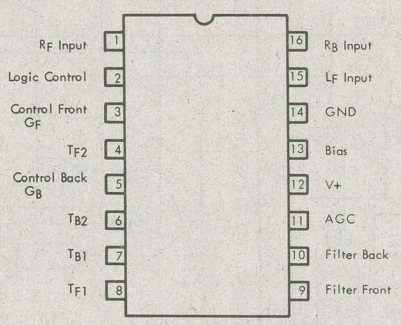
ECG802 16-Pin DIP See Fig. L112

4-Channel Voltage Controlled Attenuator



ECG803 16-Pin DIP See Fig. L112

4-Channel "SQ"-Stereo DC Logic - F/B Enhancement

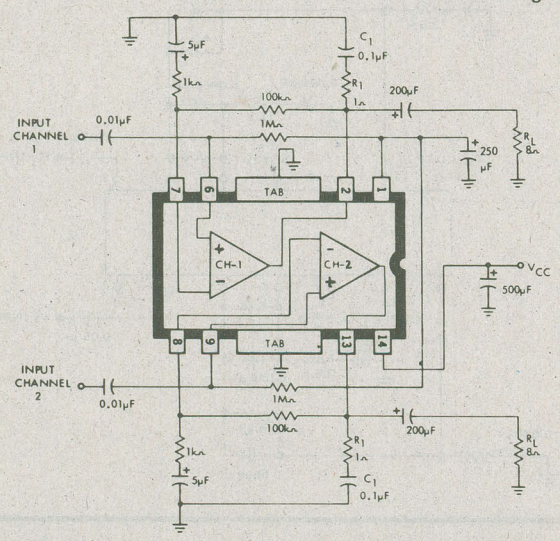


ECG804 14-Pin DIP-W See Fig. L106

(14-Pin DIP-W See Alternate Fig. L132)

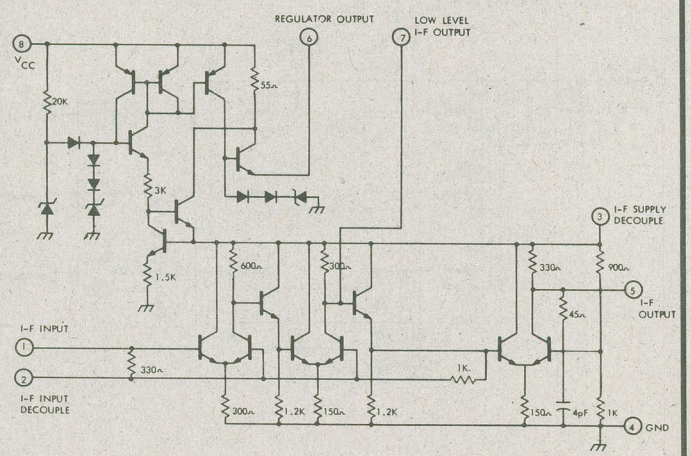
(14-Pin DIP See Alternate Fig. L104)

Dual 2-Watt Audio Amp



ECG805 8-Pin DIP See Fig. L97

FM IF Gain Block

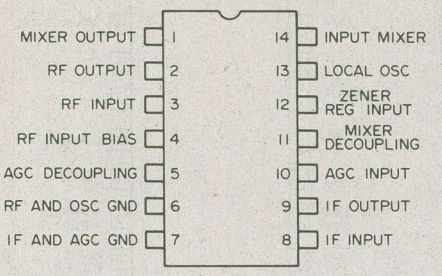


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

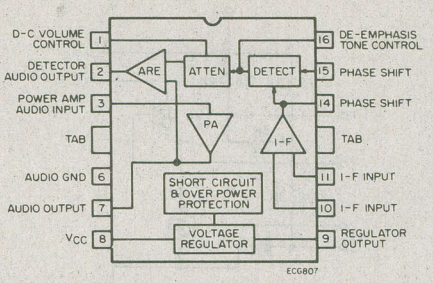
ECG806 14-Pin DIP See Fig. L104

AM Radio RF/IF Amp



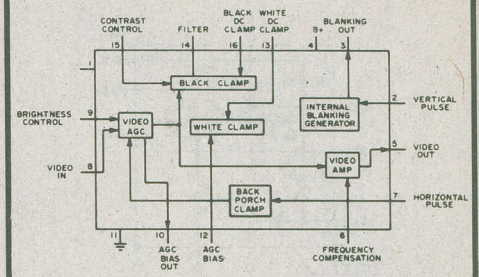
ECG807 16-Pin DIP-W See Fig. L136

TV/FM Sound System, 1 W, PO



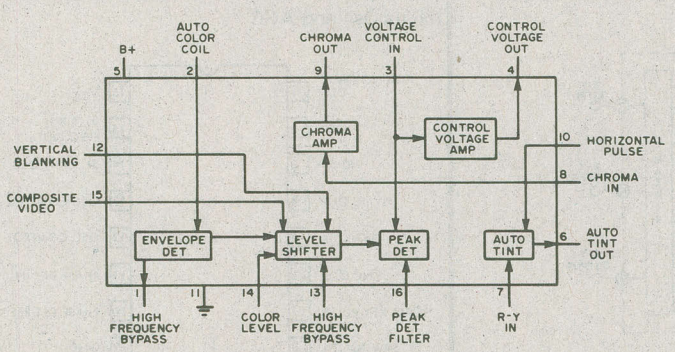
ECG808 16-Pin DIP See Fig. L111

TV Video Signal Processor



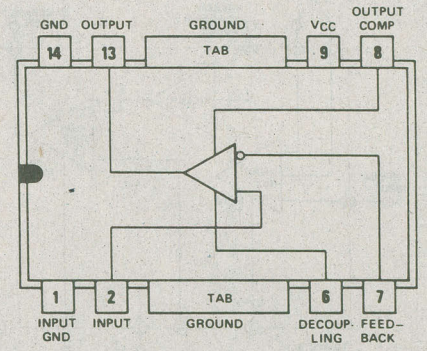
ECG809 16-Pin DIP See Fig. L111

TV Chroma Processor



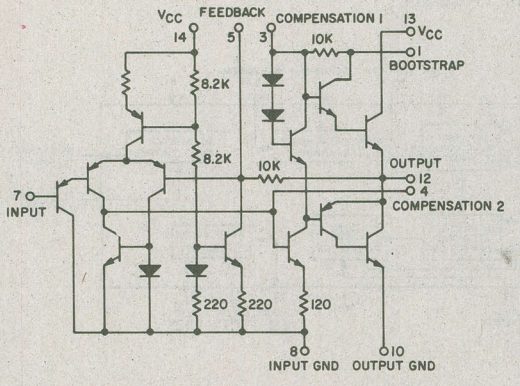
ECG810A 14-Pin DIP-W See Fig. L106

2 W Audio PO



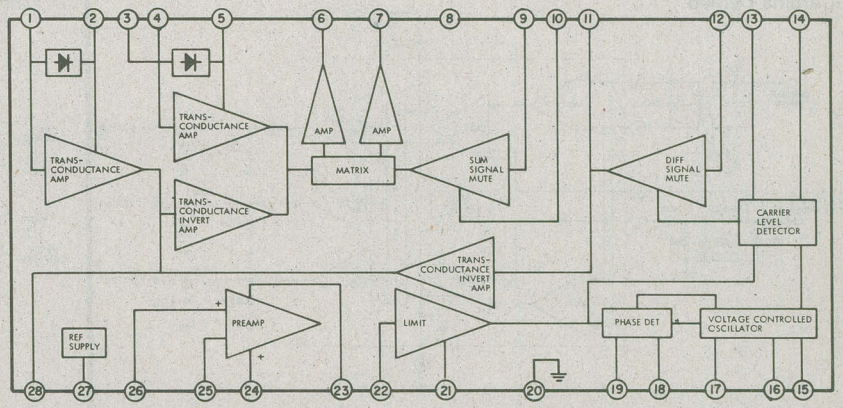
ECG812 14-Pin DIP See Fig. L104

AF PO



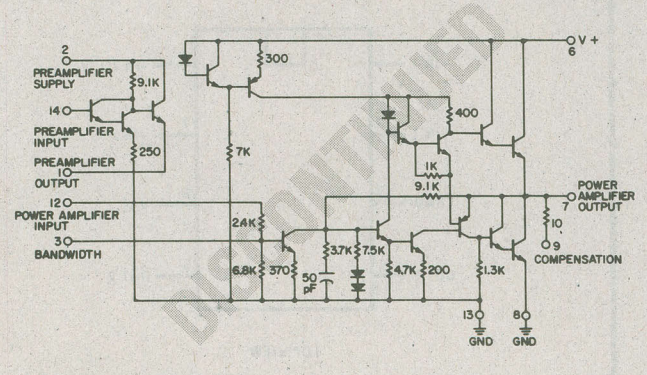
ECG813 28-Pin DIP See Fig. L124

CD4 Disc Demodulation System with Preamp



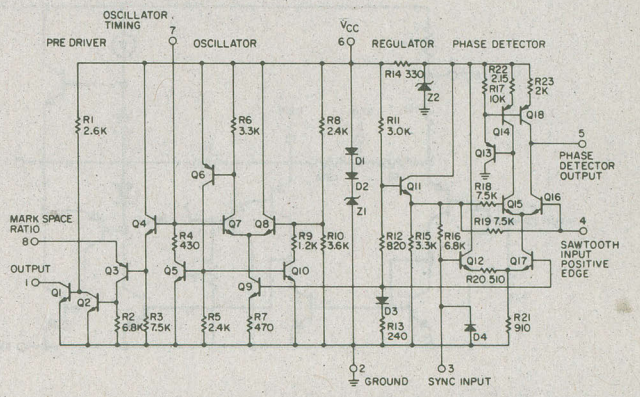
ECG814A 14-Pin DIP-W See Fig. L135

4 Watt AF PO with Preamp



ECG815 8-Pin DIP See Fig. L98

TV Horiz Processor for Positive Sawtooth Input



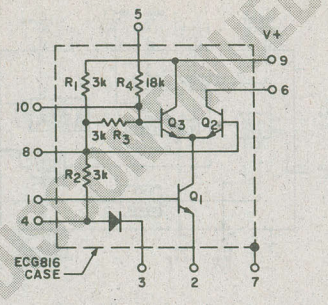
DISCONTINUED

Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

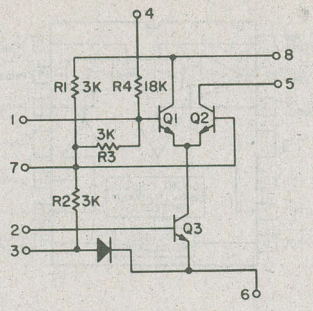
ECG816 10-Pin Can See Fig. L7

RF/IF Amp



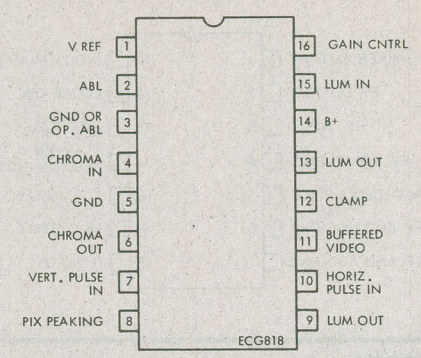
ECG817 8-Pin DIP See Fig. L97

RF/IF Amp



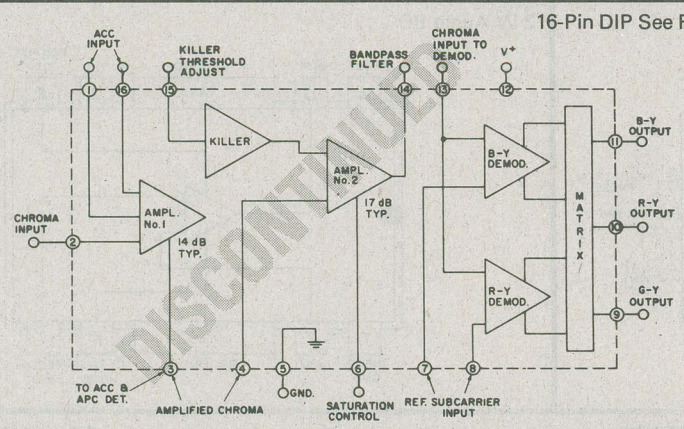
ECG818 16-Pin DIP See Fig. L111

TV Luminance Processor



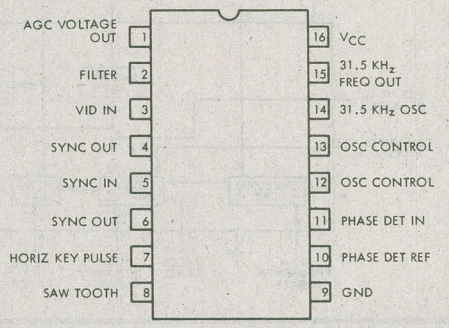
ECG819 16-Pin DIP See Fig. L111

Chroma Amp and Demod



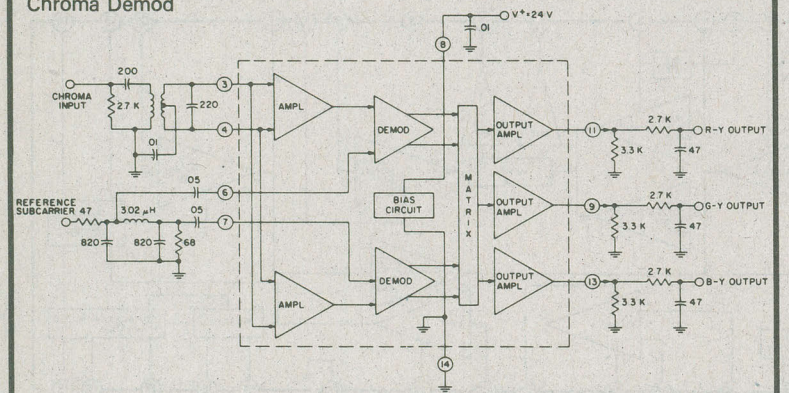
ECG820 16-Pin DIP See Fig. L111

Horiz Osc and AGC



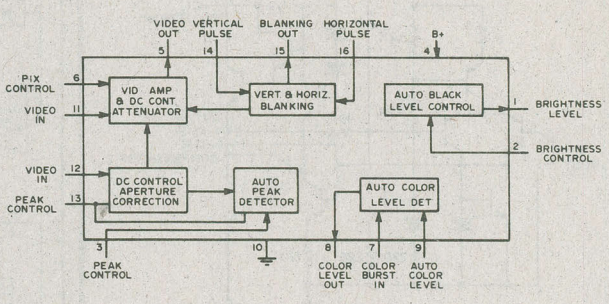
ECG821 14-Pin DIP See Fig. L104

Chroma Demod



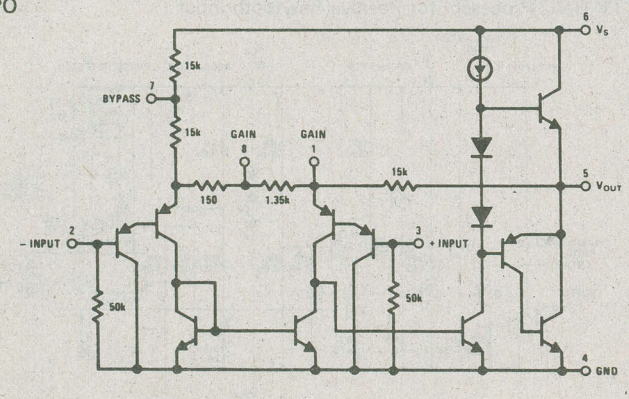
ECG822 16-Pin DIP See Fig. L111

TV Chroma Processor



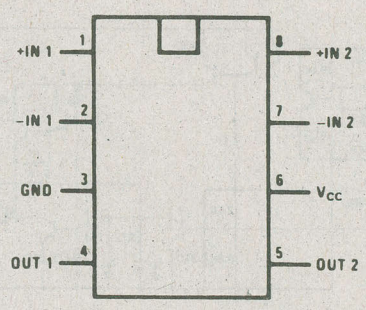
ECG823 8-Pin DIP See Fig. L98

AF PO



ECG824 8-Pin DIP See Fig. L98

DuaL AF Preamp

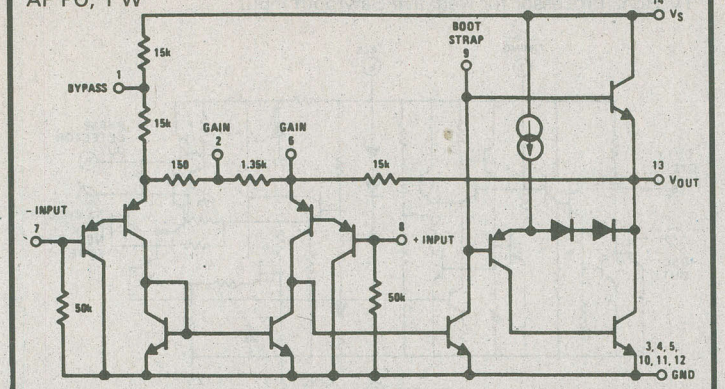


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

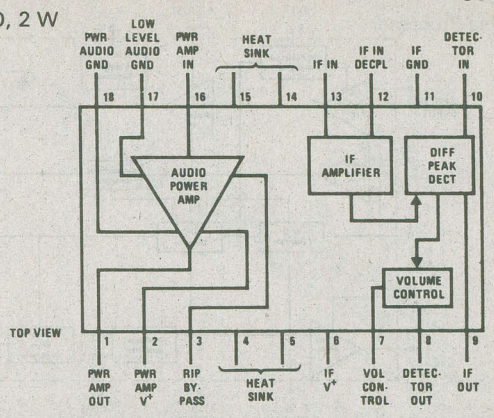
ECG825 14-Pin DIP See Fig. L104

AF PO, 1 W



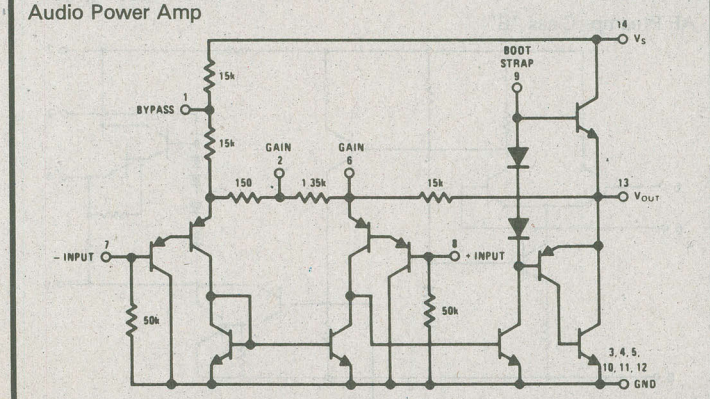
ECG826 18-Pin DIP See Fig. L115

FM IF, AF PO, 2 W



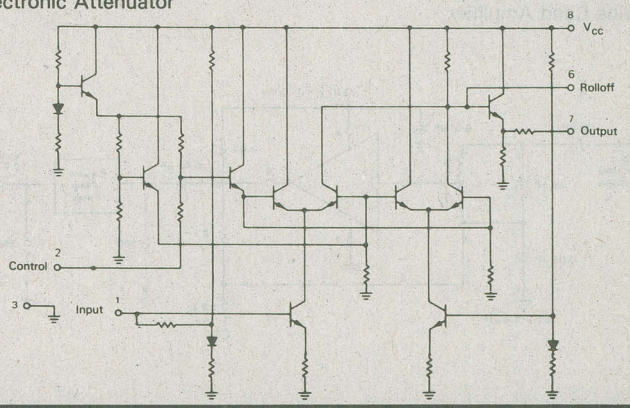
ECG828 14-Pin DIP See Fig. L104

Audio Power Amp



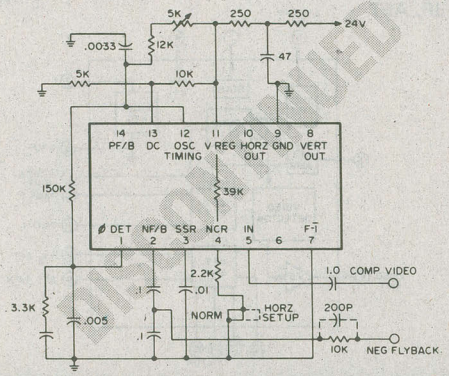
ECG829 8-Pin DIP See Fig. L98

Electronic Attenuator



ECG830 14-Pin DIP See Fig. L104

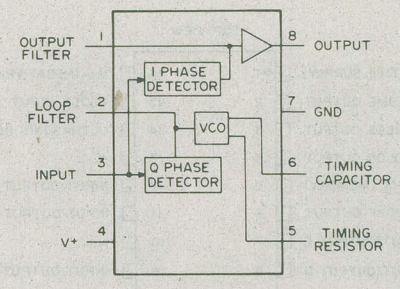
Horiz Processor/Vert Countdown



ECG832 8-Pin DIP See Fig. L98

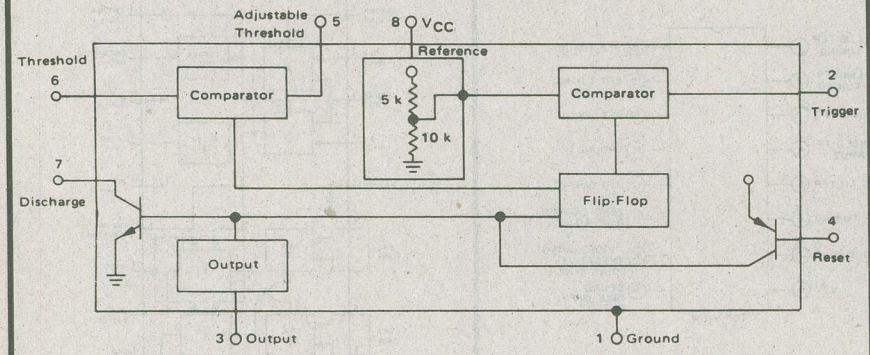
ECG832SM 8-Pin SOIC See Fig. L159

Tone Decoder



ECG833 8-Pin DIP See Fig. L98

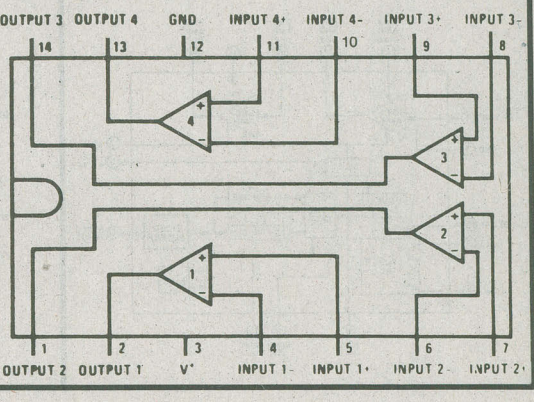
Timing Circuit



ECG834 14-Pin DIP See Fig. L104

ECG834SM 14-Pin SOIC See Fig. L160

Quad Comparator



DISCONTINUED

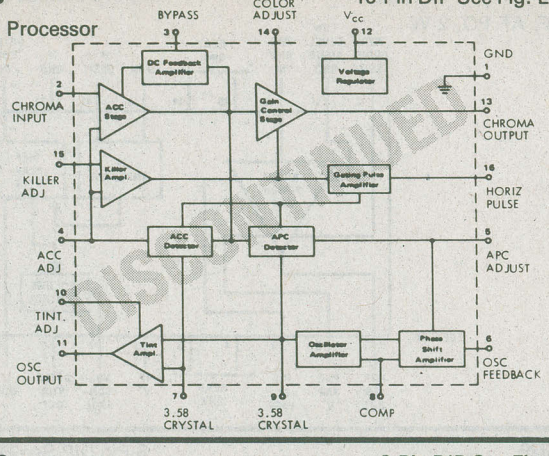
N

Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

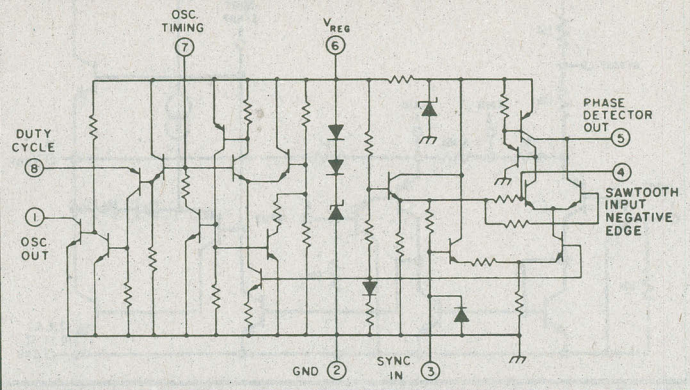
ECG835 16-Pin DIP See Fig. L112

Chroma Processor



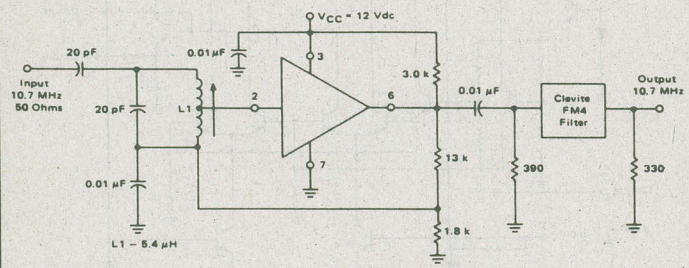
ECG836 8-Pin DIP See Fig. L97

TV Horiz Processor for Negative Sawtooth Input



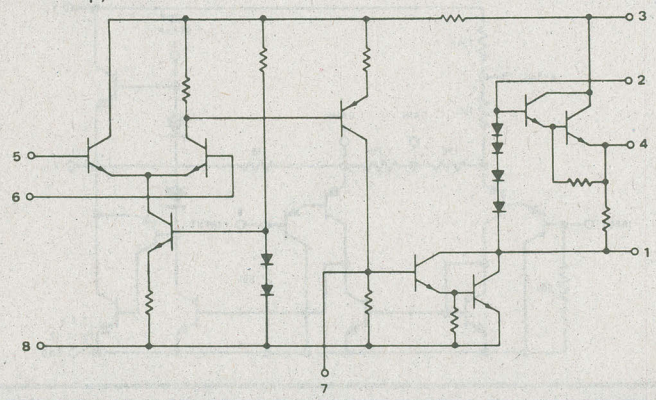
ECG838 8-Pin DIP See Fig. L98

Wide Band Amplifier



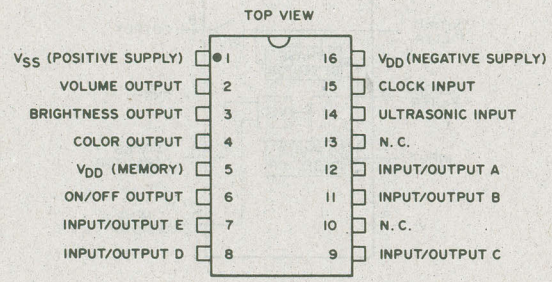
ECG839 8-Pin DIP See Fig. L98

AF Preamp, Class "B"



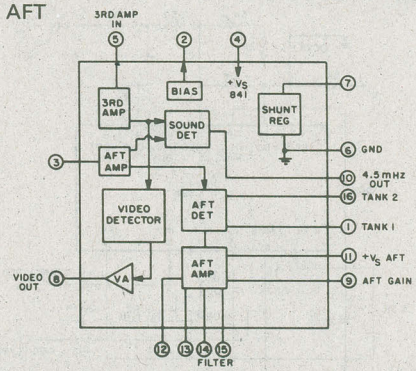
ECG840 16-Pin DIP See Fig. L112

TV 30-Channel Decoder



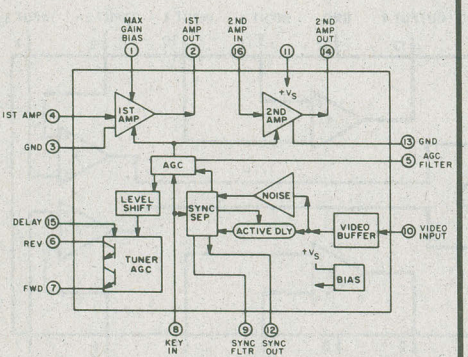
ECG841 16-pin DIP See Fig. L112

TV Video IF, AFT



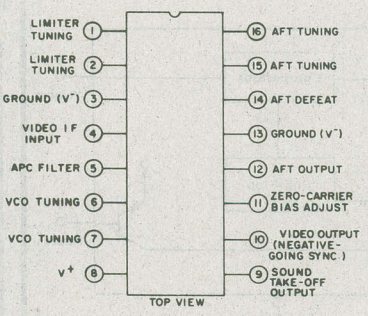
ECG842 16-Pin DIP See Fig. L112

TV Video IF, AGC



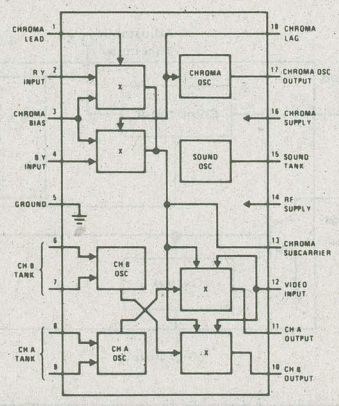
ECG843 16-Pin DIP See Fig. L112

TV Video IF, AFT



ECG846 18-Pin DIP See Fig. L115

TV Video Modulator

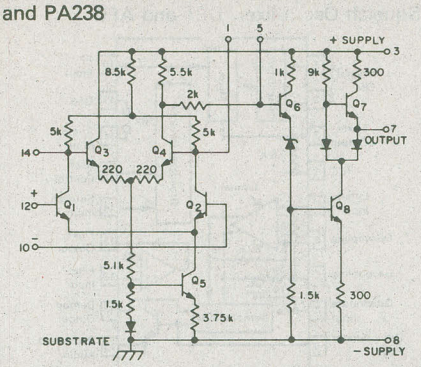


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

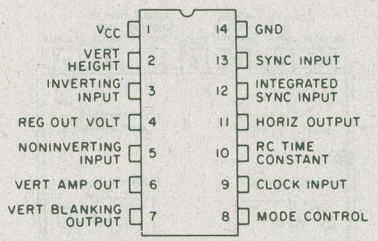
ECG847 14-Pin DIP See Fig. L103

Low Level Audio Amp. Replaces PA230 and PA238



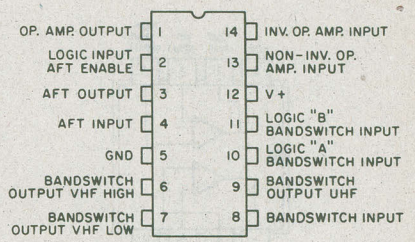
ECG849 14-Pin DIP See Fig. L104

TV Horiz/Vert Countdown



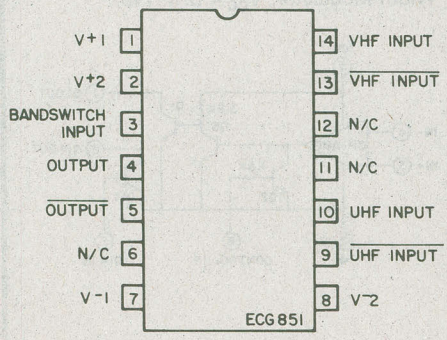
ECG850 14-Pin DIP See Fig. L104

Op Amp/Bandswitch



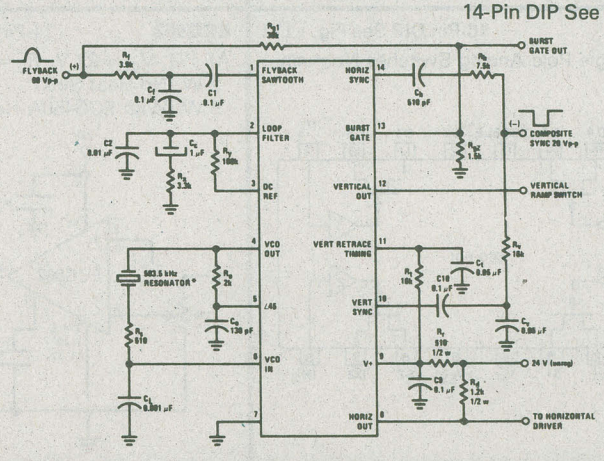
ECG851 14-Pin DIP See Fig. L104

TV VHF-UHF Pre-scaler



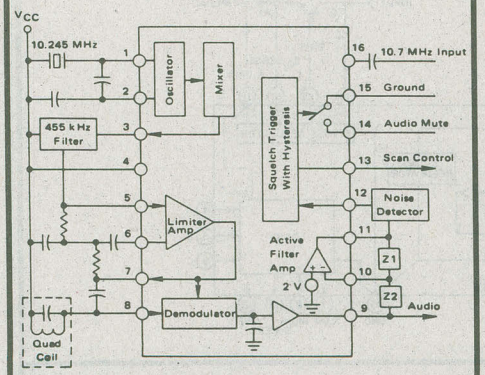
ECG852 14-Pin DIP See Fig. L104

No Hold Control, Vert/Horiz Circuit



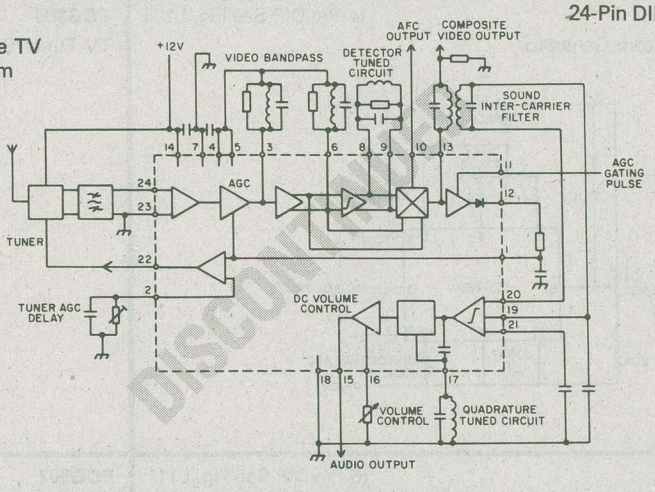
ECG853 16-Pin DIP See Fig. L111

Narrow Band FM, IF, Squelch, Scan Control



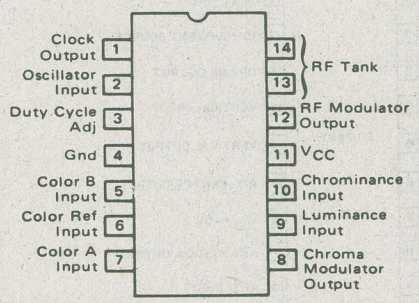
ECG854 24-Pin DIP See Fig. L123

Composite TV IF System



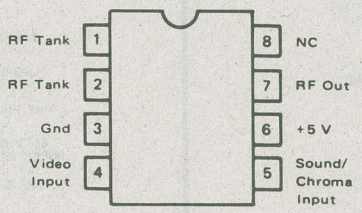
ECG855 14-Pin DIP See Fig. L104

Color TV Video Modulator



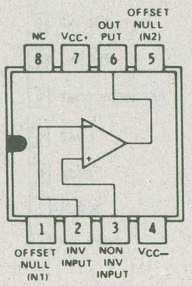
ECG856 8-Pin DIP See Fig. L97

TV Video Modulator



ECG857M 8-Pin DIP See Fig. L98
ECG857SM 8-Pin SOIC See Fig. L159

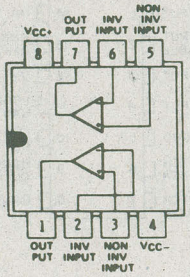
Lo Noise JFET Input Op Amp



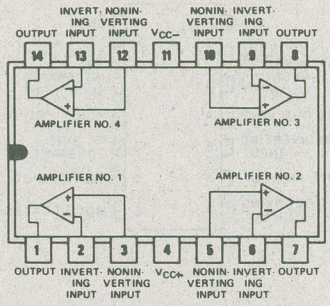
Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

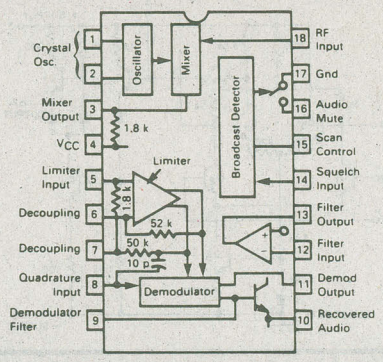
ECG858M 8-Pin DIP See Fig L98
ECG858SM 8-Pin SOIC See Fig. L159
Dual Lo Noise JFET Input Op Amp



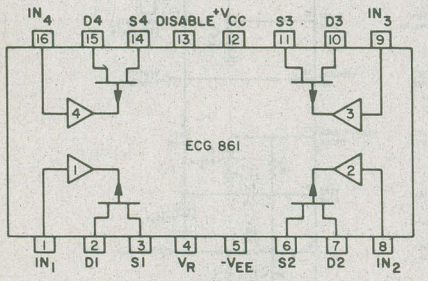
ECG859 14-Pin DIP See Fig. L104
ECG859SM 14-Pin SOIC See Fig. L160
Quad Lo Noise JFET Input Op Amp



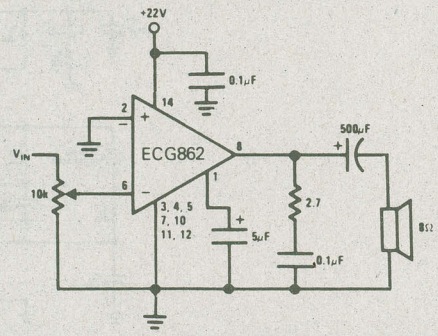
ECG860 18-Pin DIP See Fig. L115
Narrow Band FM, IF Amp Scan Control Squelch Osc. Mixer, DET and AFC



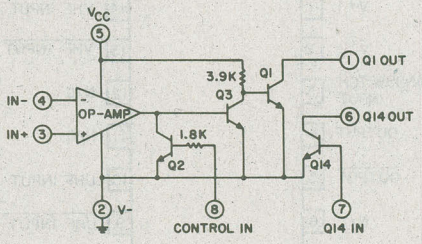
ECG861 16-Pin DIP See Fig. L112
Quad Single Pole Analog Switches-Normally Open



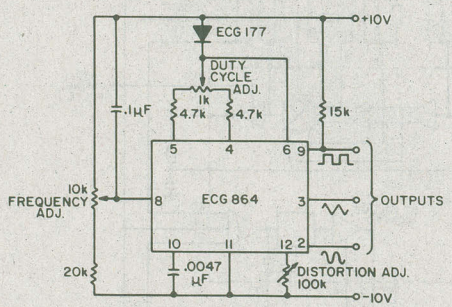
ECG862 14-Pin DIP-W See Fig. L106
AF PO, V_{CC} = 22 V, R_L = 8 Ω
2 W (No Heat Sink)
5 W (With ECG450A Heat Sink)



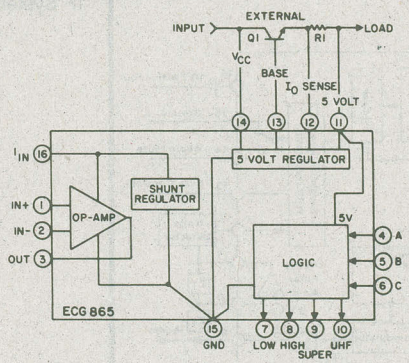
ECG863 8-Pin DIP See Fig. L98
Op Amp Comparator Used By Zenith as a Pulse Width Modulator, V_{CC} = 12 V Typ



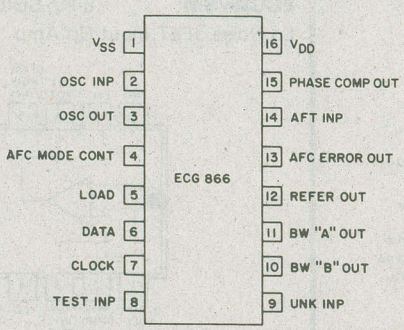
ECG864 14-Pin DIP See Fig. L104
Precision Waveform Generator



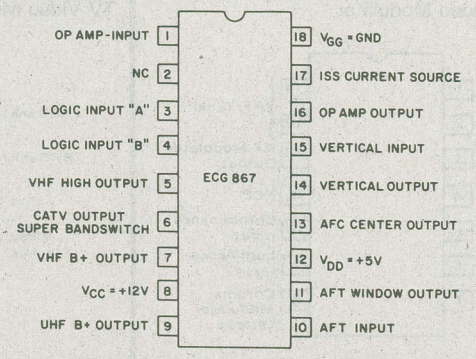
ECG865 16-Pin DIP See Fig. L111
TV Tuner Band Selector (MOS), V_{CC} = 10 V Typ



ECG866 16-Pin DIP See Fig. L111
TV Tuner Frequency Synthesizer (PMOS) V_{DD} = 5 V, V_{SS} = 0 V Typ



ECG867 18-Pin DIP See Fig. L115
TV Tuner Band Select and Quad Comparator (PMOS), V_{CC} = 12 V, V_{DD} = 5 V, V_{GG} = 0 V Typ

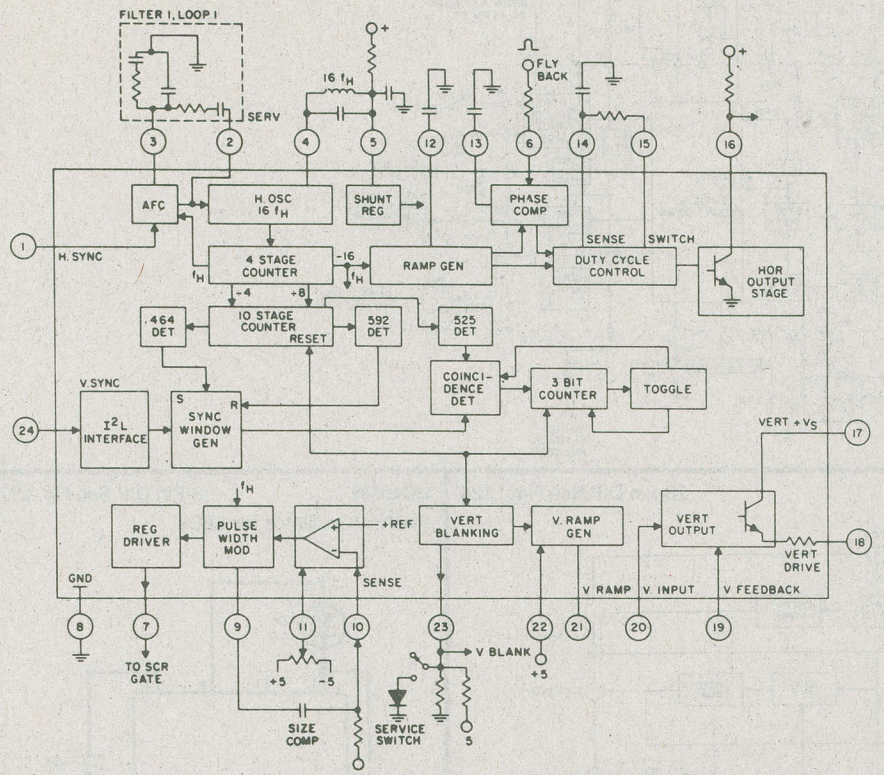


Package Outlines - See page 1-297

Linear IC and Module Circuits (cont'd)

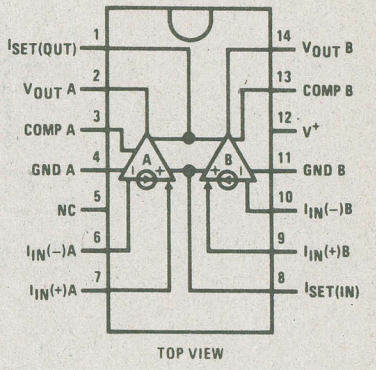
ECG868 24-Pin DIP See Fig. L122

TV Horizontal/Vertical/Osc/Driver/Countdown



ECG869 14-Pin DIP See Fig. L104

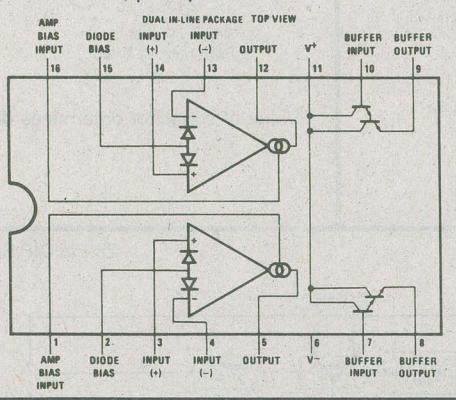
Dual Hi Speed/Progmble/Current Mode Op Amp/Single Supply



TOP VIEW

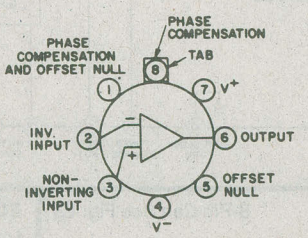
ECG870 16-Pin DIP See Fig. L111

Dual Transconductance Op Amp



ECG871 8-Pin Can See Fig. L3

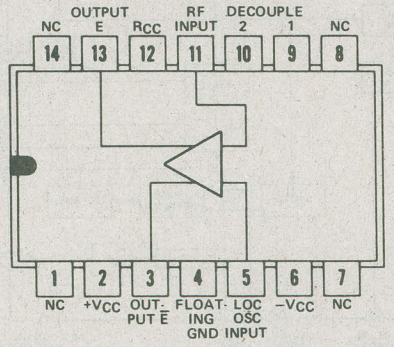
Wide Band Op Amp



TOP VIEW

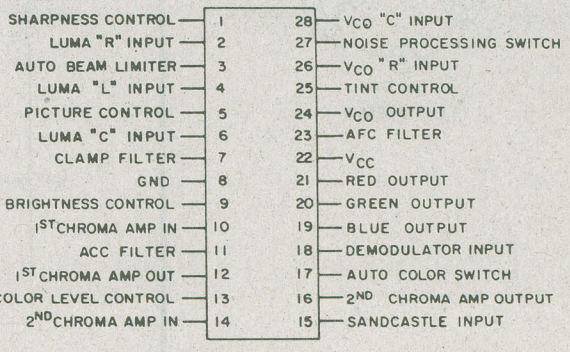
ECG872 14-Pin DIP See Fig. L104

VCR Double Balanced Modulator/Mixer



ECG873 28-Pin DIP See Fig. L124

Luminance/Chroma Proc/Demod

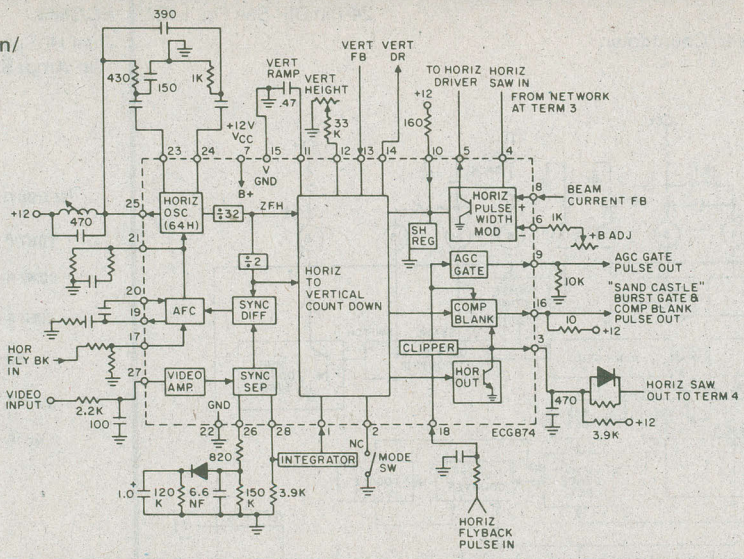


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

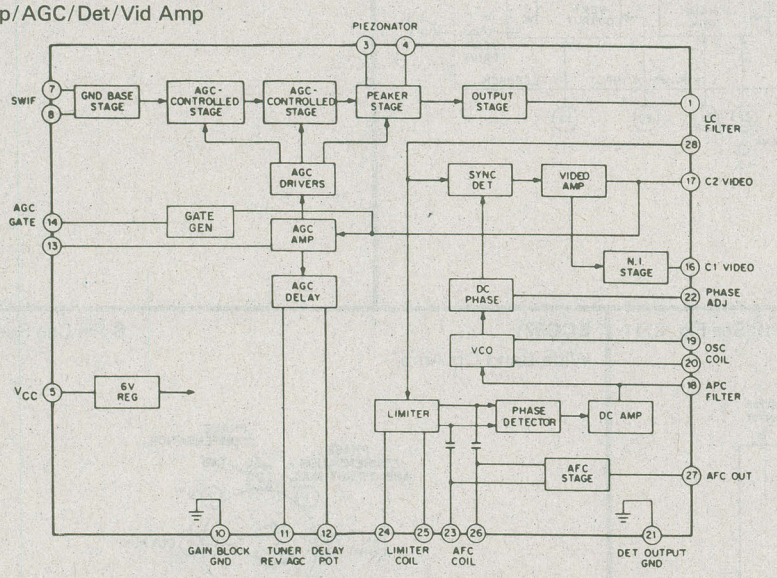
ECG874 28-Pin DIP See Fig. L124

TV Horizontal/Vertical Countdown/ Driver



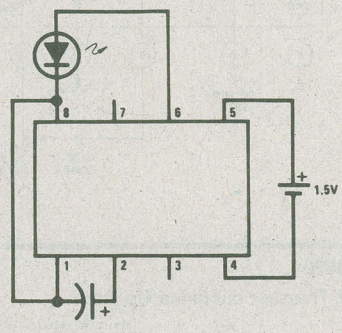
ECG875 28-Pin DIP See Fig. L124

VIF Amp/AGC/Det/Vid Amp



ECG876 8-Pin DIP See Fig. L97

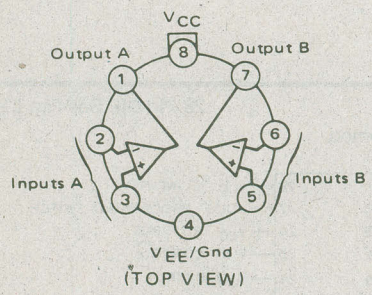
Flasher/Oscillator for LEDs



* Value of capacitor determines flash rate.

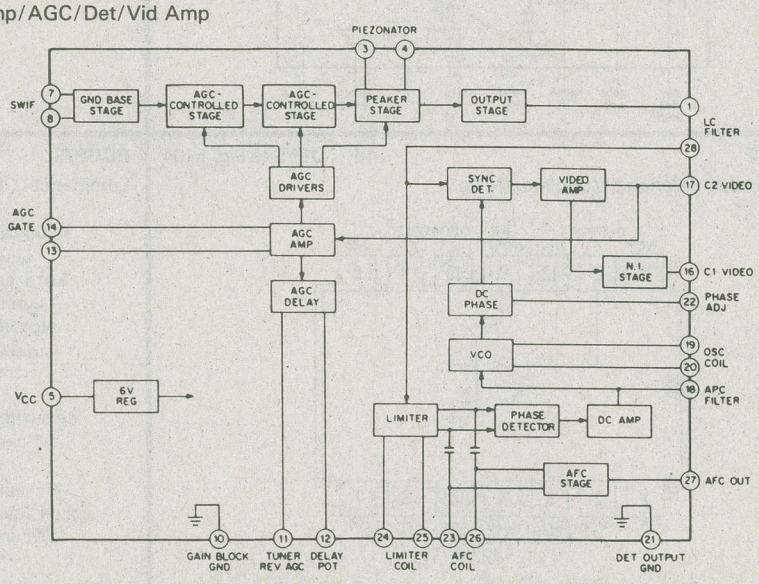
ECG877 8-Pin Can See Fig. L3

Dual Op Amp



ECG878 28-Pin DIP See Fig. L124

VIF Amp/AGC/Det/Vid Amp

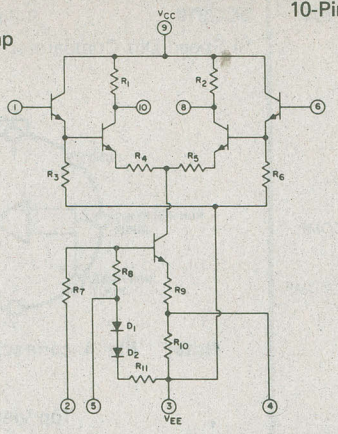


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

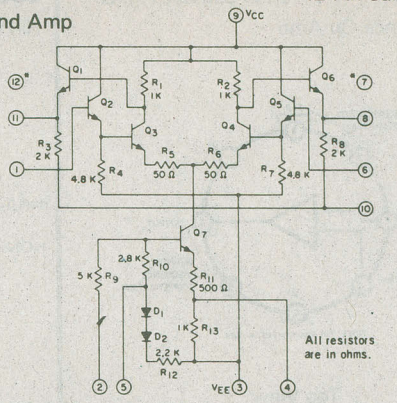
ECG900 10-Pin Can See Fig. L7

Balanced Diff Amp and DC Amp



ECG901 12-Pin Can See Fig. L9

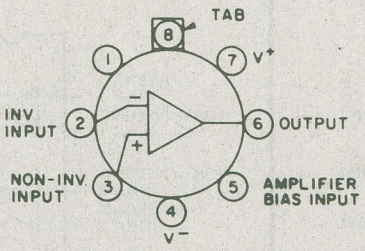
Video, Wide-Band Amp



* Internal Connection – DO NOT USE

ECG902 8-Pin Can See Fig. L3

Operational Transconductance Amplifier

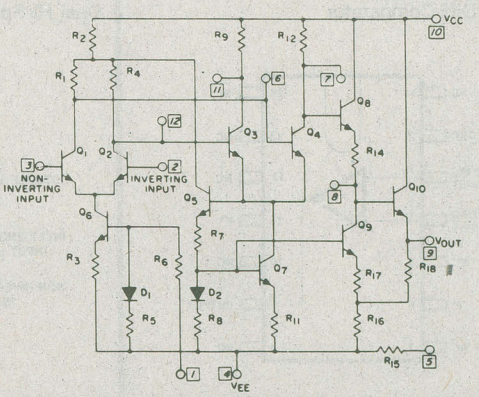


NOTE: PIN 4 IS CONNECTED TO CASE

TOP VIEW

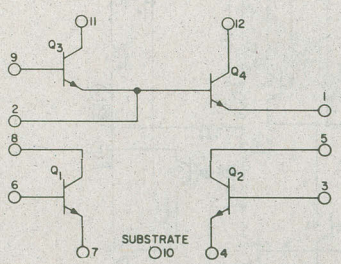
ECG903 12-Pin Can See Fig. L9

Op Amp



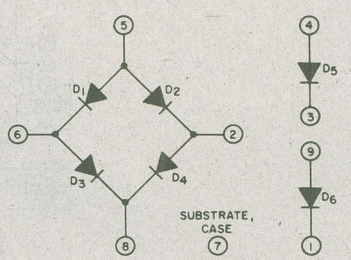
ECG904 12-Pin Can See Fig. L9

2 Transistors and Darlington Pair



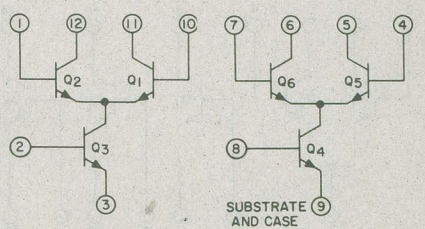
ECG905 10-Pin Can See Fig. L7

Diode "Quad" Plus 2 Isolated Diodes



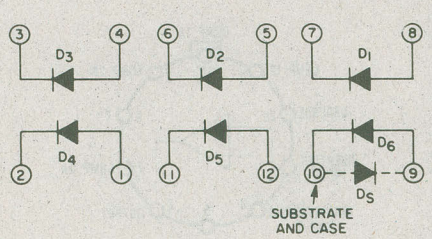
ECG906 12-Pin Can See Fig. L9

Dual HF Diff Amps for Frequency Up to 500 MHz



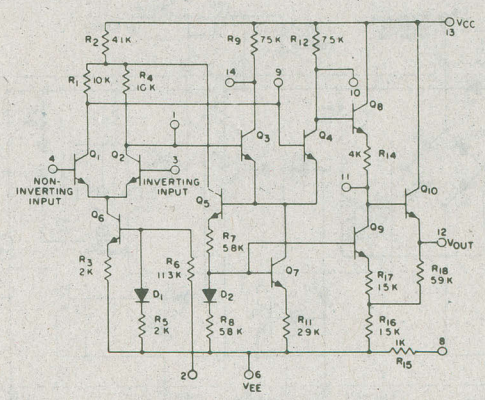
ECG907 12-Pin Can See Fig. L9

Ultra Fast Matched Diodes



ECG908 14-Pin DIP See Fig. L104

Op Amp



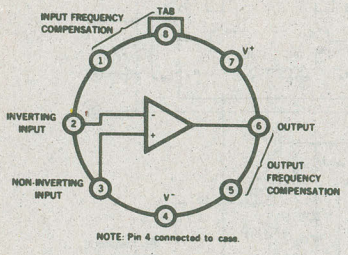
Package Outlines - See Page 1-297

N

Linear IC and Module Circuits (cont'd)

ECG909 8-Pin Can See Fig. L3

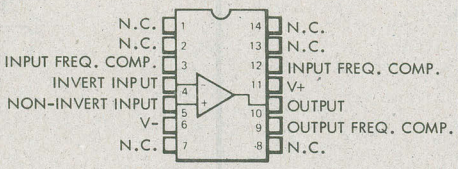
Hi-Performance Op Amp



Top View

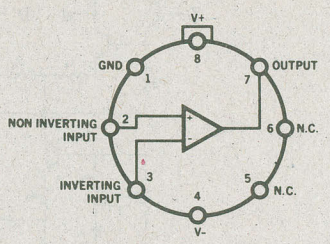
ECG909D 14-Pin DIP See Fig. L104

Hi-Performance Op Amp



ECG910 8-Pin Can See Fig. L3

Hi-Speed Diff Comparator

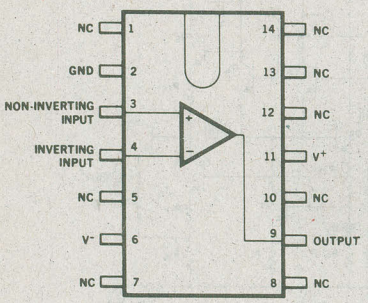


Note: Pin 4 connected to case

Top View

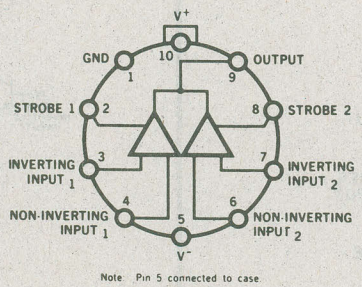
ECG910D 14-Pin DIP See Fig. L104

Hi-Speed Diff Comparator



ECG911 10-Pin Can See Fig. L7

Dual Hi-Speed Diff Comparator

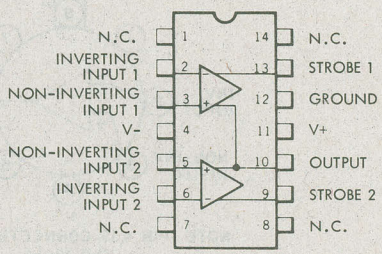


Note: Pin 5 connected to case

Top View

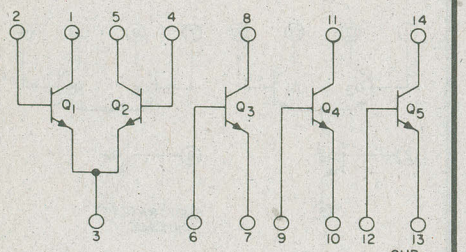
ECG911D 14-Pin DIP See Fig. L104

Dual Hi-Speed Diff Comparator



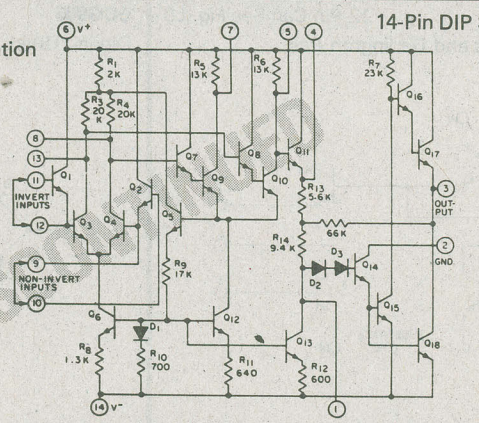
ECG912 14-Pin DIP See Fig. L104

3 Isolated Transistors, 1 Diff Pair



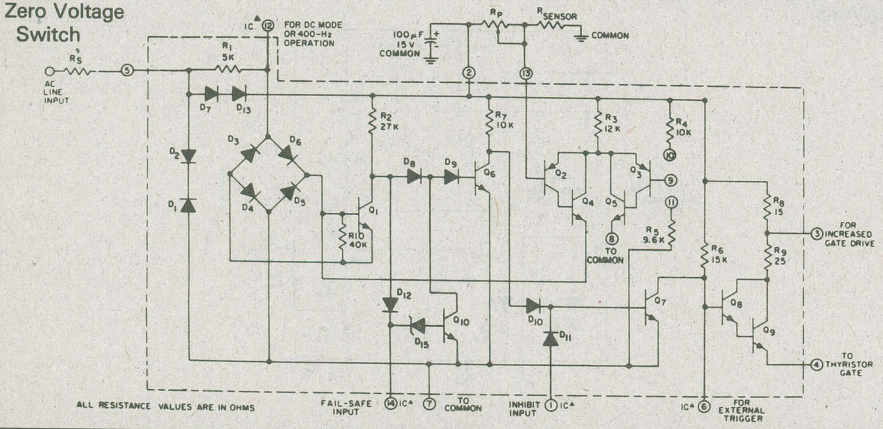
ECG913 14-Pin DIP See Fig. L104

Op Amp for Hi-Current Application



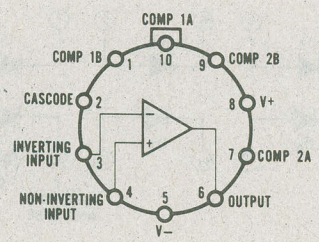
ECG914

Zero Voltage Switch



ECG915 10-Pin Can See Fig. L7

Hi-Speed Op Amp



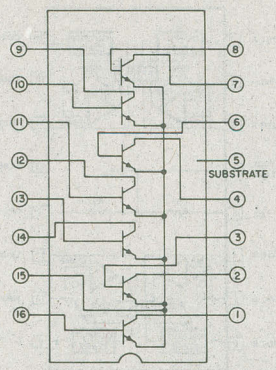
Top View

Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

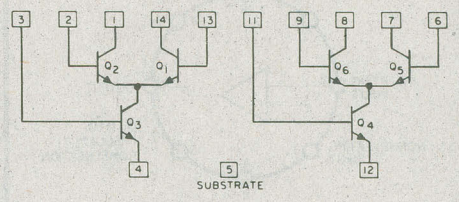
ECG916 16-Pin DIP See Fig. L111

NPN Transistor Array for Digital Segment Displays



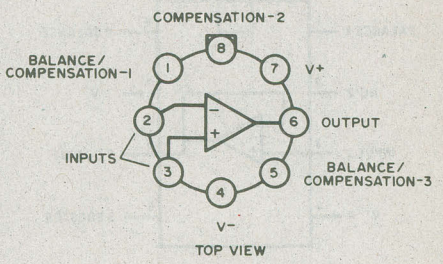
ECG917 14-Pin DIP See Fig. L104

Dual Diff Amp. Lo-Power Application from DC to 120 MHz



ECG918 8-Pin Can See Fig. L3

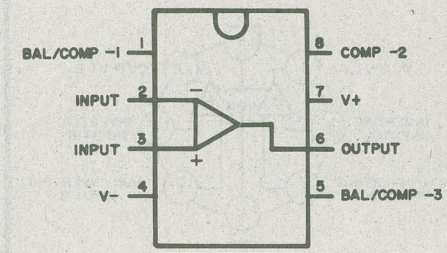
Hi-Speed Precision Op Amp



Top View

ECG918M 8-Pin DIP See Fig. L97
ECG918SM 8-Pin SOIC See Fig. L159

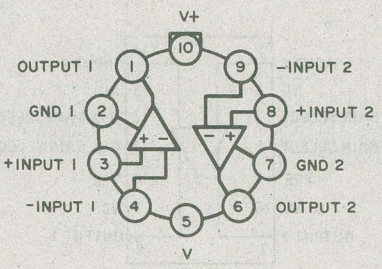
Hi-Speed Precision Op Amp



Top View

ECG919 10-Pin Can See Fig. L7

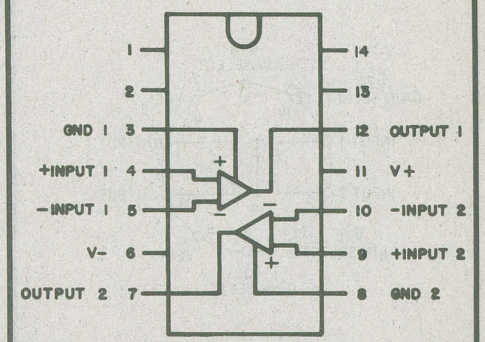
Dual Hi-Speed Comparator



Top View

ECG919D 14-Pin DIP See Fig. L104

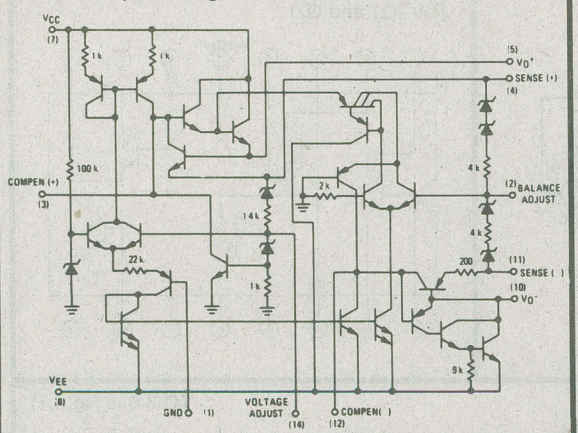
Dual Hi-Speed Comparator



Top View

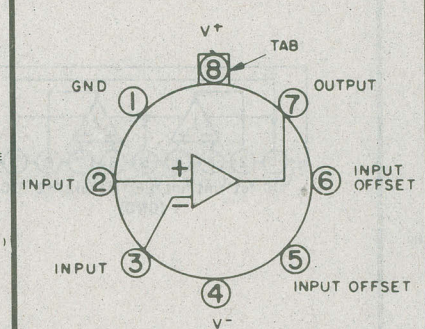
ECG921 14-Pin DIP See Fig. L104

Dual Polarity Tracking VR ± 15 V



ECG922 8-Pin Can See Fig. L3

Voltage Comparator

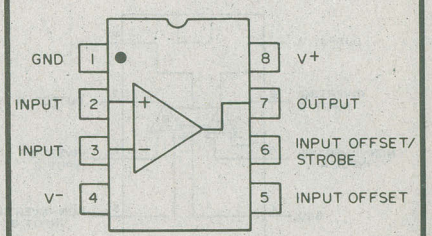


TOP VIEW

NOTE PIN 4 IS CONNECTED TO CASE

ECG922M 8-Pin DIP See Fig. L97
ECG922SM 8-Pin SOIC See Fig. L159

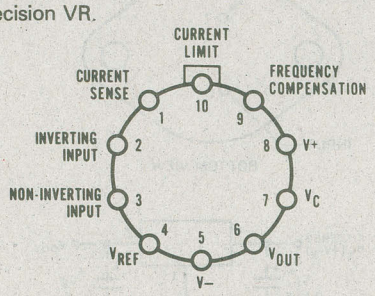
Voltage Comparator



Top View

ECG923 10-Pin Can See Fig. L6

Precision VR.

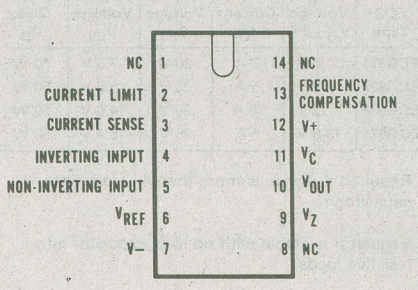


TOP VIEW

NOTE: Pin 5 is connected to case

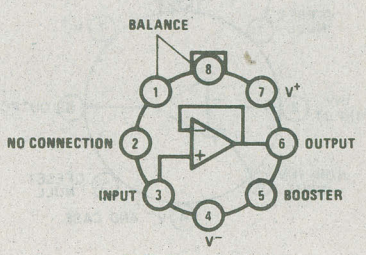
ECG923D 14-Pin DIP See Fig. L104

Precision VR



ECG924 8-Pin Can See Fig. L3

Voltage Follower Op Amp



NOTE: Pin 4 connected to case.

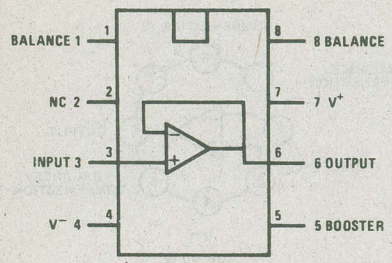
Top View

N

Package Outlines - See Page 1-297

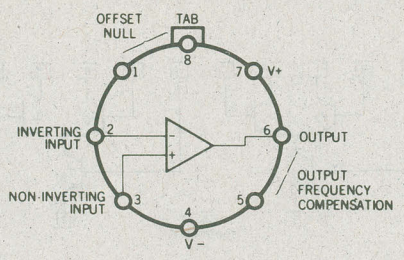
Linear IC and Module Circuits (cont'd)

ECG924M 8-Pin DIP See Fig. L97
Voltage Follower Op Amp



Top View

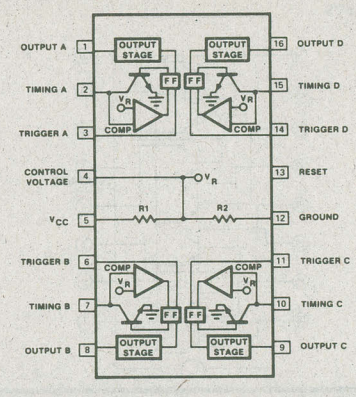
ECG925 8-Pin Can See Fig. L3
Instrumentation Op Amp



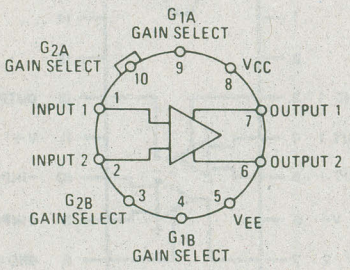
NOTE: Pin 4 connected to case

TOP VIEW

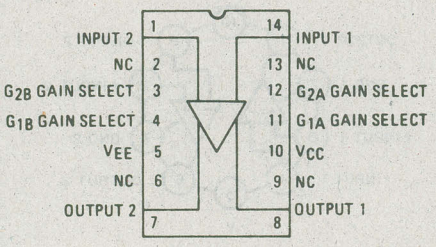
ECG926 16-Pin DIP See Fig. L111
Quad Timer



ECG927 10-Pin Can See Fig. L6
Differential Video Amp

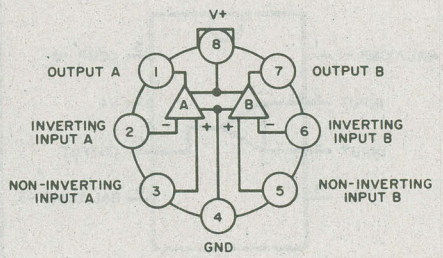


ECG927D 14-Pin DIP See Fig. L104
ECG927SM 14-Pin SOIC See Fig. L160
Differential Video Amp



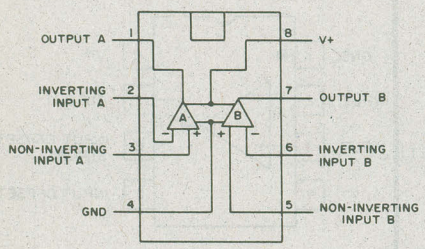
TOP VIEW

ECG928 8-Pin Can See Fig. L3
Dual Low Power Op Amp

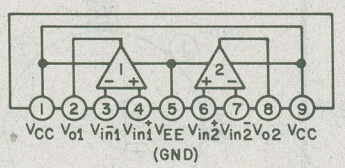


TOP VIEW

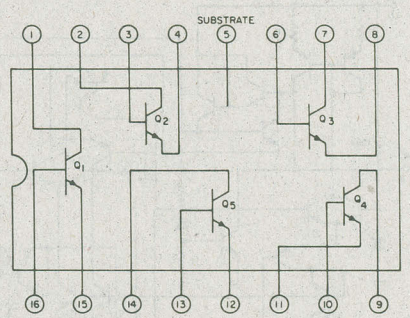
ECG928M 8-Pin DIP See Fig. L97
ECG928SM 8-Pin SOIC See Fig. L159
Dual Low Power Op Amp



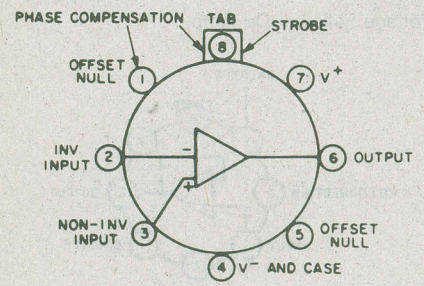
ECG928S 9-Pin SIP See Fig. L39
Dual Low Power Op Amp



ECG929 16-Pin DIP See Fig. L111
Hi Current NPN Transistor Array w/Matched Pair (Q1 and Q2)



ECG930 8-Pin Can See Fig. L3
Bi-MOS Op Amp



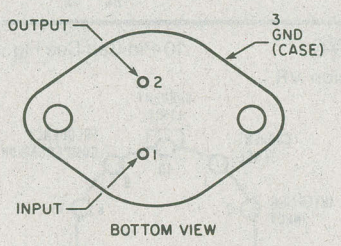
Top View

ECG931, ECG932, ECG933, ECG934 TO-3 See Fig. L11
3 Terminal Positive Voltage Regulators

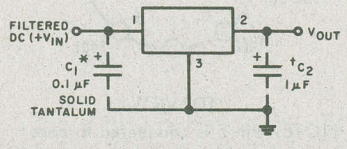
ECG Type	Output Voltage $V_O \pm 5\%$	Output Current I_O	Max. Input Voltage V_{IN}	Min. Input Voltage V_{IN}	Power Diss. P_D
ECG931	5 V	3 A	20 V	7.5 V	30 W
ECG932	5 V	5 A	25 V	8.5 V	50 W
ECG933	12 V	5 A	30 V	14.6 V	50 W
ECG934	13.8 V	5 A	35 V	16.4 V	50 W

* Required if device is more than 4" from filter capacitor.

† Regulator is stable with no load capacitor into resistive loads.



BOTTOM VIEW

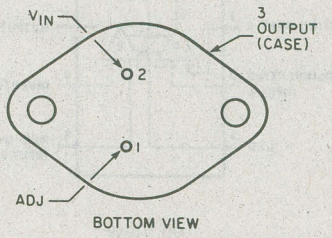


Package Outlines - See Page 1-297

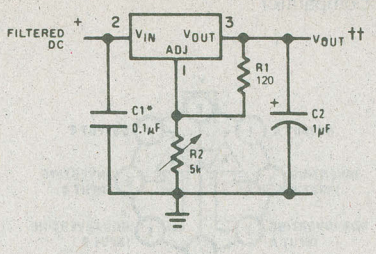
Linear IC and Module Circuits (cont'd)

ECG935 TO-3 See Fig. L11

3 Terminal Positive Adjustable Voltage Regulator; 1.2 to 32 V_{OUT}, I_O = 5 A, P_D = 50 W, $V_{IN\ Max}$ = 30 + V_{OUT}, $V_{IN\ MIN}$ = 1.25 + V_{OUT}



BOTTOM VIEW



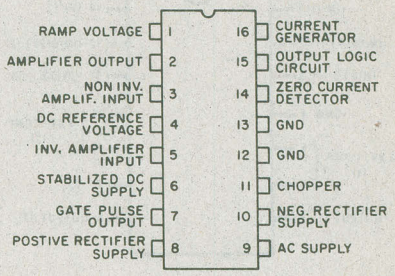
* Required if device is more than 4" from filter capacitor.

† Regulator is stable with no load capacitor into resistive loads.

†† $V_{OUT} = 1.25\ V\left(1 + \frac{R2}{R1}\right)$

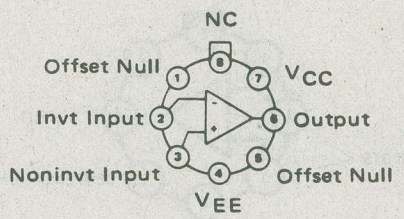
ECG936 16-Pin DIP See Fig. L111

Phase Control for SCR or TRIAC



ECG937 8-Pin Can See Fig. L3

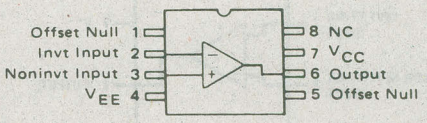
JFET Input Op Amp



Top View

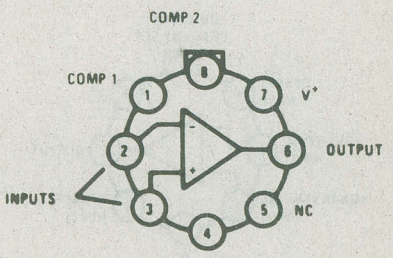
ECG937M 8-Pin DIP See Fig. L98

JFET Input Op Amp



ECG938 8-Pin Can See Fig. L3

Precision Op Amp

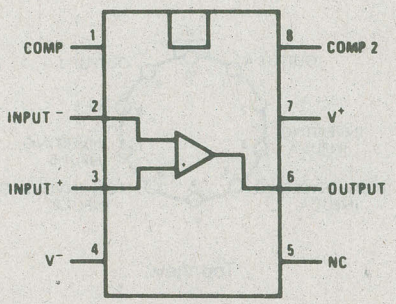


Note: Pin 4 connected to case.

TOP VIEW

ECG938M 8-Pin DIP See Fig. L97

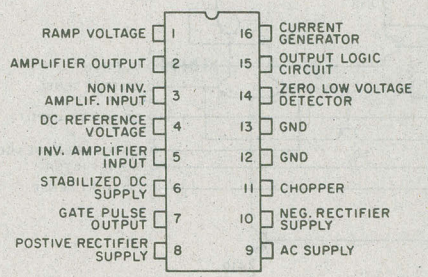
Precision Op Amp



Top View

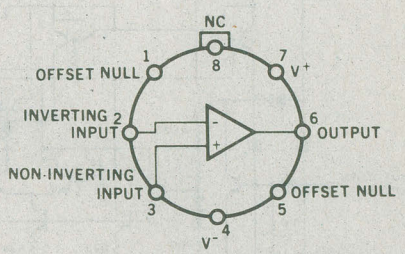
ECG939 16-Pin DIP See Fig. L111

Burst Control for SCR or TRIAC



ECG941 8-Pin Can See Fig. L3

Freq-Compensated Op Amp

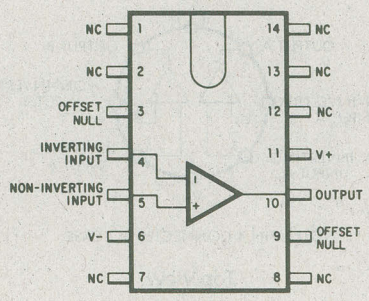


NOTE: PIN 4 CONNECTED TO CASE

TOP VIEW

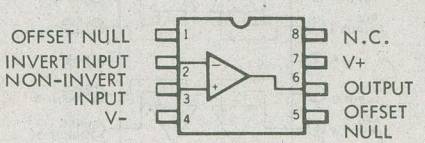
ECG941D 14-Pin DIP See Fig. L104

Freq-Compensated Op Amp



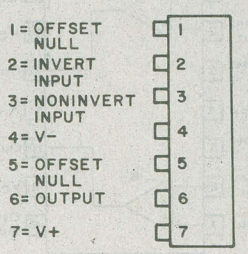
ECG941M 8-Pin DIP See Fig. L97
ECG941SM 8-Pin SOIC See Fig. L159

Freq-Compensated Op Amp



ECG941S 7-Pin SIP See Fig. L24

Freq-Compensated Op Amp

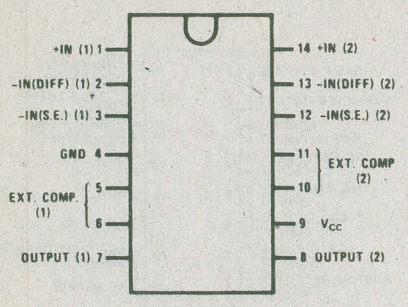


Package Outlines - See Page 1-297

N

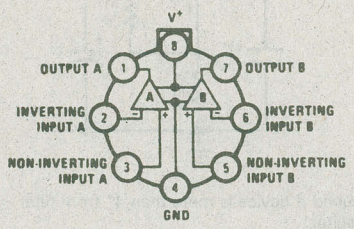
Linear IC and Module Circuits (cont'd)

ECG942 14-Pin DIP See Fig. L104
Lo Noise Dual Preamp



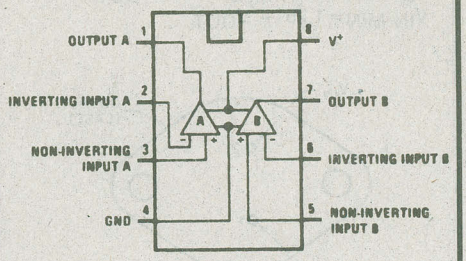
Top View

ECG943 8-Pin Can See Fig. L3
Dual Comparator



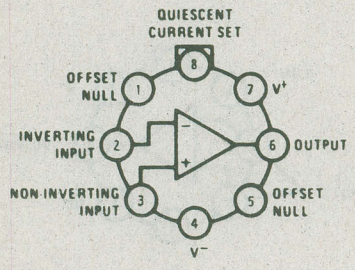
Top View

ECG943M 8-Pin DIP See Fig. L98
ECG943SM 8-Pin SOIC See Fig. L159
Dual Comparator



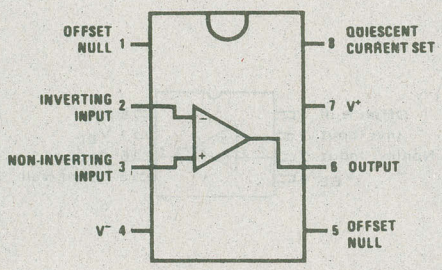
Top View

ECG944 8-Pin Can See Fig. L3
Programmable Op Amp



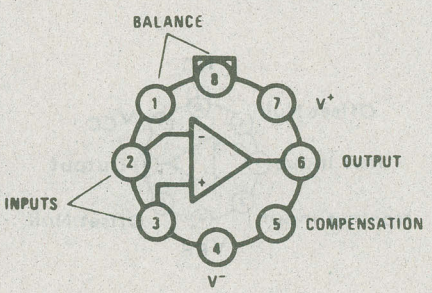
Top View

ECG944M 8-Pin DIP See Fig. L98
Programmable Op Amp



Top View

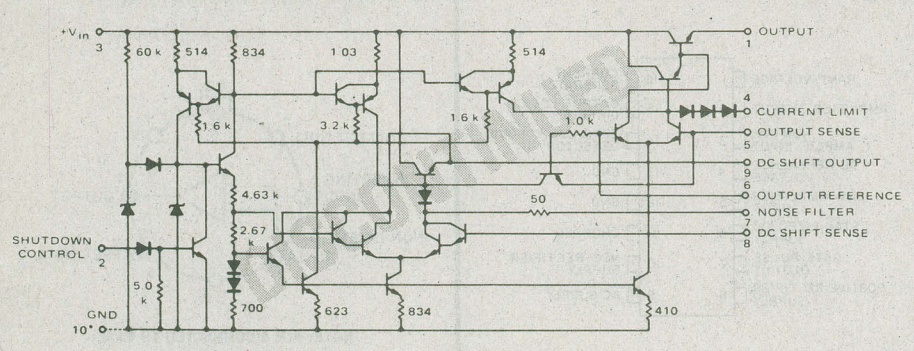
ECG945 8-Pin Can See Fig. L3
Op Amp/Internal Comp/Darlington Input



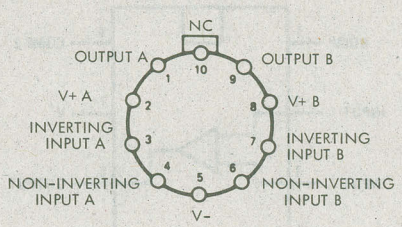
Note: Pin 4 connected to case.

Top View

ECG946 TO-66, 9-Pin See Fig. L12
Positive Power Supply Voltage Regulator

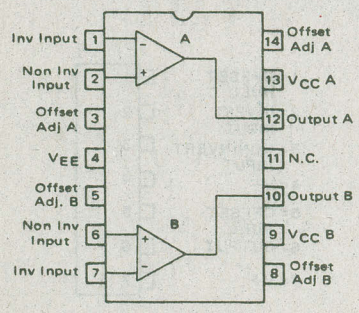


ECG947 10-Pin Can See Fig. L7
Dual, Freq-Compensated Op Amp



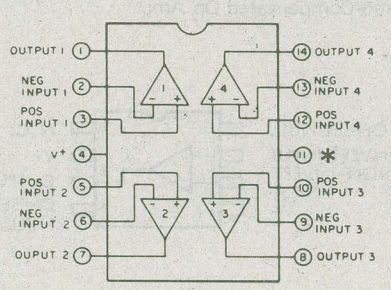
Top View

ECG947D 14-Pin DIP See Fig. L104
Dual, Freq-Compensated Op Amp



Pins 9 & 13 Be Tied Externally

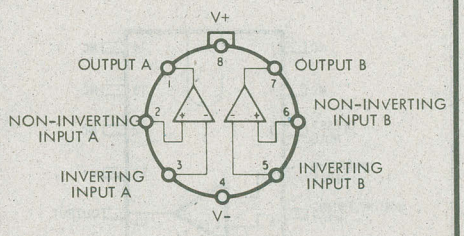
ECG948, ECG987 14-Pin DIP See Fig. L104
ECG948SM, ECG987SM 14-Pin SOIC See Fig. L160
Quad Op Amp



Top View

* ECG948, 948SM — Dual Supply, Pin 11 = V−
ECG987, 987SM — Single Supply, Pin 11 = GND

ECG949 8-Pin Can See Fig. L3
Dual Op Amp



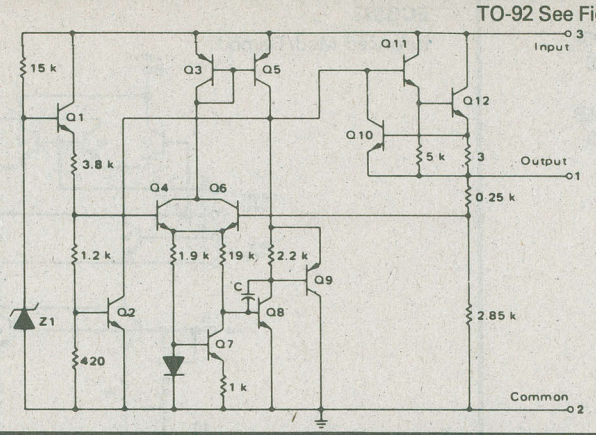
NOTE: PIN 4 CONNECTED TO CASE

Top View

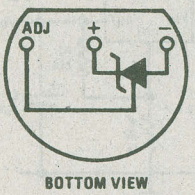
Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

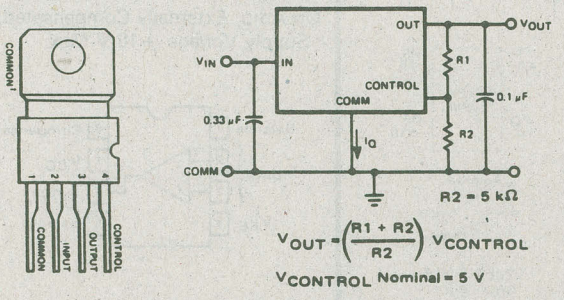
ECG950 TO-92 See Fig. L16
Pos VR, 12 V, 100 mA
ECG951
Pos VR, 15 V, 100 mA
ECG977
Pos VR, 5 V, 100 mA
ECG981
Pos VR, 8 V, 100 mA
ECG988
Pos VR, 6.2 V, 100 mA



ECG952 TO-92 See Fig. L16
Precision 2.5 V Voltage Reference

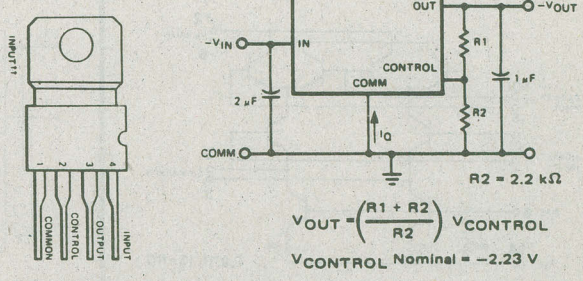


ECG953 TO-202, 4-Pin See Fig. L18
Pos VR, Adjustable 5 to 30 V, 1 A



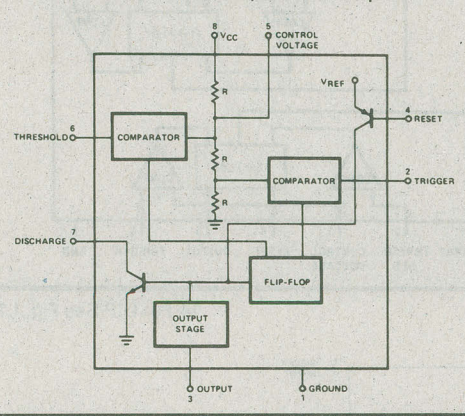
NOTES: Heat sink tabs connected to common through device substrate. Not recommeded for direct electrical connection. Recommended R2 current ≈ 1 mA.

ECG954 TO-202, 4-Pin See Fig. L18
Neg VR, Adjustable −2.2 to −30 V

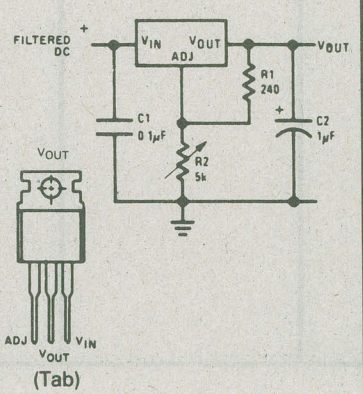


NOTES: Heat sink tabs connected to input through device substrate. Not recommended for direct electrical connection.
Recommend R2 current≈1 mA

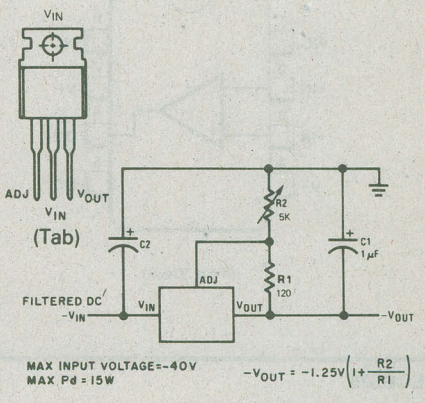
ECG955M 8-Pin DIP See Fig. L98
ECG955S 8-Pin SIP See Fig. L35
ECG955SM 8-Pin SOIC See Fig. L159
Timer/Oscillator
ECG955MC 8-Pin DIP See Fig. L97
Low Power Timer/Oscillator, CMOS Output



ECG956 TO-220 See Fig. L17
Pos VR, 1.2 to 37 V, 1.5 A

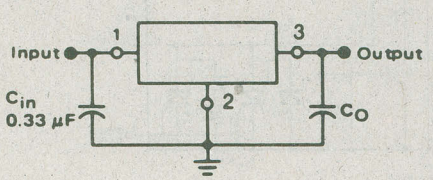


ECG957 TO-220 See Fig. L17
Neg VR, 1.2 to 37 V, 1.5 A



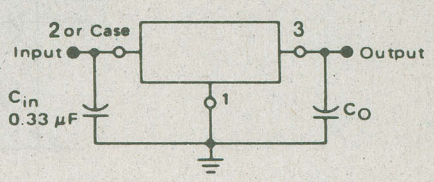
ECG958
Pos VR, 18 V, 1 A
ECG960
Pos VR, 5 V, 1 A
ECG962
Pos VR, 6 V, 1 A
ECG964
Pos VR, 8 V, 1 A
ECG966
Pos VR, 12 V, 1 A
ECG968
Pos VR, 15 V, 1 A

ECG972 TO-220 See Fig. L17
Pos VR, 24 V, 1 A
ECG1932
Pos VR, 10 V, 1 A



ECG959
Neg VR, 18 V, 1 A
ECG961
Neg VR, 5 V, 1 A
ECG963
Neg VR, 6 V, 1 A
ECG965
Neg VR, 8 V, 1 A
ECG967
Neg VR, 12 V, 1 A
ECG969
Neg VR, 15 V, 1 A

ECG971 TO-220 See Fig. L17
Neg VR, 24 V, 1 A



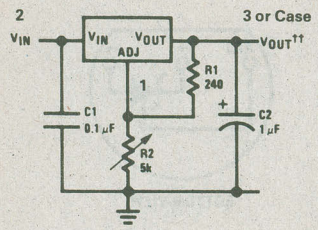
Package Outlines - See Page 1-297

N

Linear IC and Module Circuits (cont'd)

ECG970 TO-3 See Fig. L11

Pos VR, 1.2 to 33 V, 3 A



$$^{\dagger\dagger}V_{OUT} = 1.25V \left(1 + \frac{R2}{R1}\right)$$

ECG971

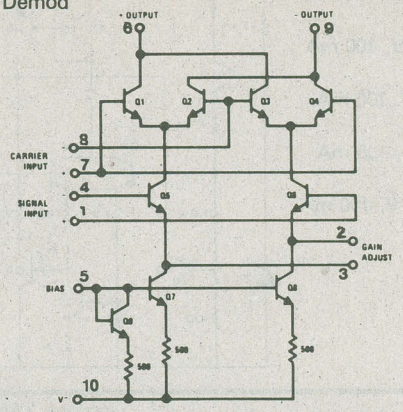
See ECG959
Page 1-179

ECG972

See ECG958
Page 1-179

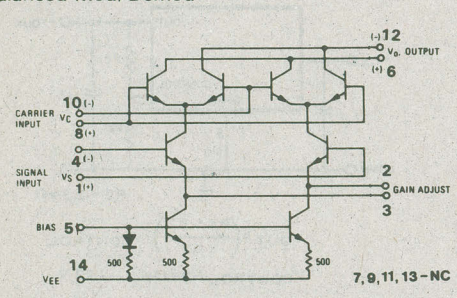
ECG973 10-Pin Can See Fig. L7

Balanced Mod/Demod



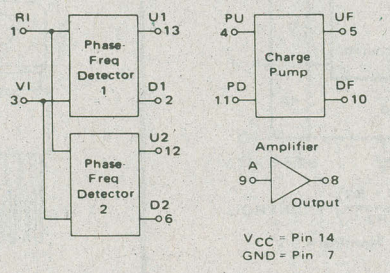
ECG973D 14-Pin DIP See Fig. L104

Balanced Mod/Demod



ECG974 14-Pin DIP See Fig. L104

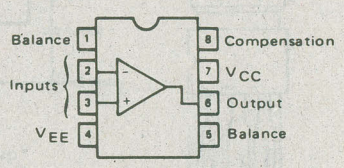
Phase/Frequency Detector



ECG975 8-Pin DIP See Fig. L98

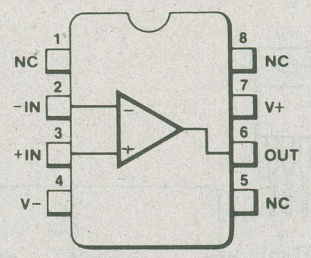
ECG975SM 8-Pin SOIC See Fig. L159

Op Amp, Externally Compensated, Supply Voltage ±18 V Max.



ECG976 8-Pin DIP See Fig. L97

Op Amp, Internally Compensated, Supply Voltage ±18 V Max.



(Top View)

ECG977

See ECG950
Page 1-179

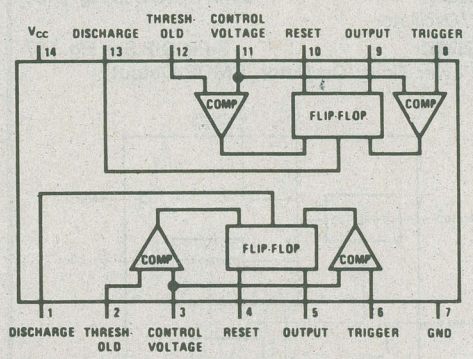
ECG978 14-Pin DIP See Fig. L104

ECG978SM 14-Pin SOIC See Fig. L160

Dual Timing Circuit

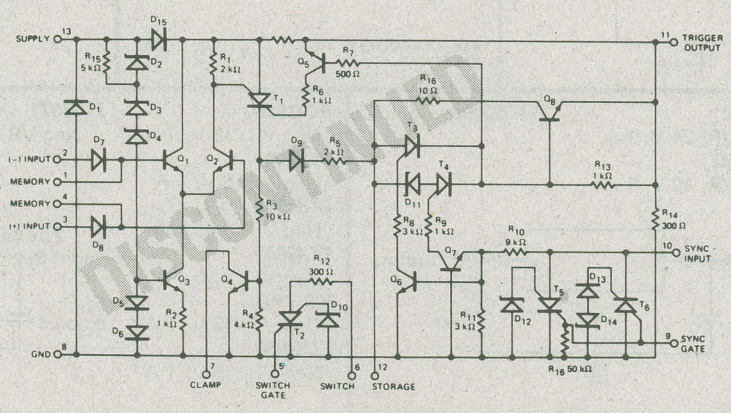
ECG978C 14-Pin DIP See Fig. L104

Dual Low Power Timer/Oscillator, CMOS Output



ECG979 14-Pin DIP See Fig. L104

Zero Crossing Trigger

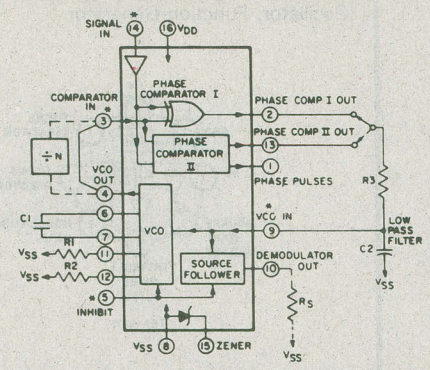


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

ECG980 16-Pin DIP See Fig. L111

CMOS Phase Locked Loop

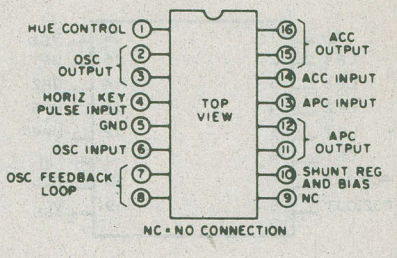


ECG981

See ECG950
Page 1-179

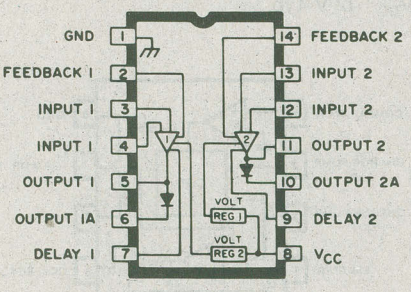
ECG982 16-Pin DIP See Fig. L111

Subcarrier Regenerator ACC, APC Detector



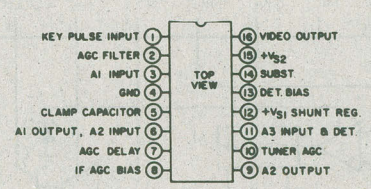
ECG983 14-Pin DIP See Fig. L104

Dual Audio Preamp



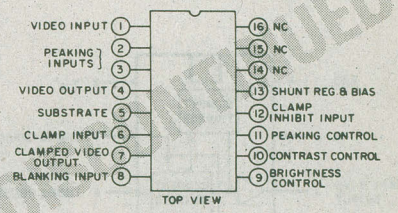
ECG984 16-Pin DIP See Fig. L111 (16-Pin DIP-Q See Alternate Fig. L113)

TV Video IF, AFT



ECG985 16-Pin DIP See Fig. L111

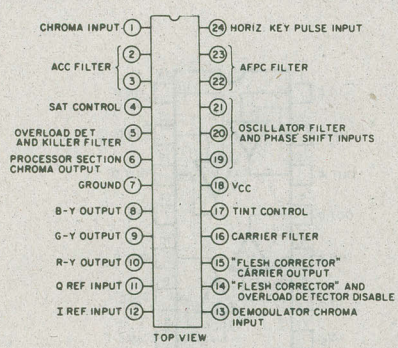
Luminance Processor



DISCONTINUED

ECG986 24-Pin DIP See Fig. L122

Chroma Processor and Demod



ECG987, ECG987SM

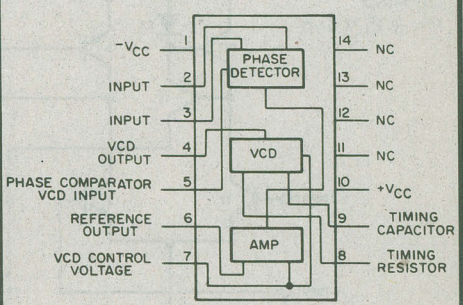
See ECG948
Page 1-178

ECG988

See ECG950
Page 1-179

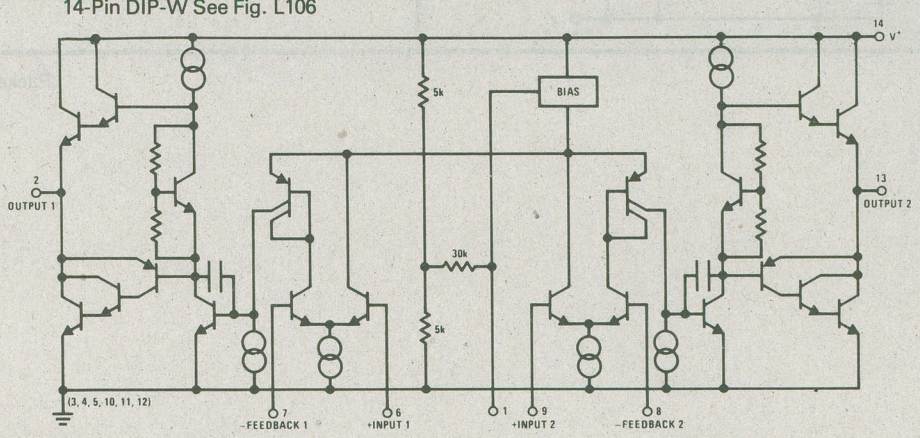
ECG989 14-Pin DIP See Fig. L104

PLL, Gen Purpose



ECG990 14-Pin DIP-W See Fig. L106

Dual AF PO, 2 W

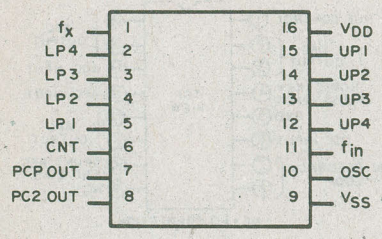


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

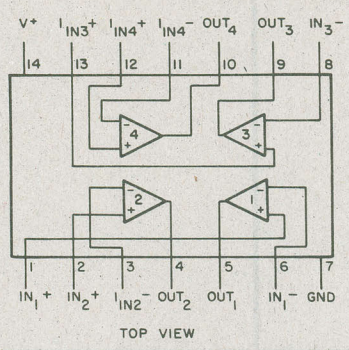
ECG991 16-Pin DIP See Fig. L112

CB PLL, Freq Synthesizer



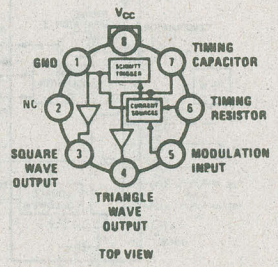
ECG992 14-Pin DIP See Fig. L104

4 Independent Amps



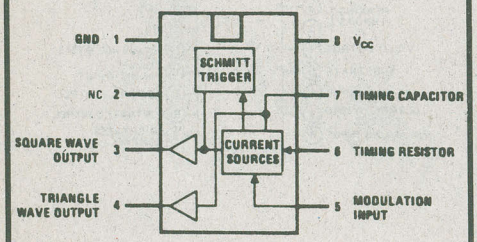
ECG994 8-Pin Can See Fig. L3

General Purpose Voltage Controlled Oscillator, Function Generator



ECG994M 8-Pin DIP See Fig. L97

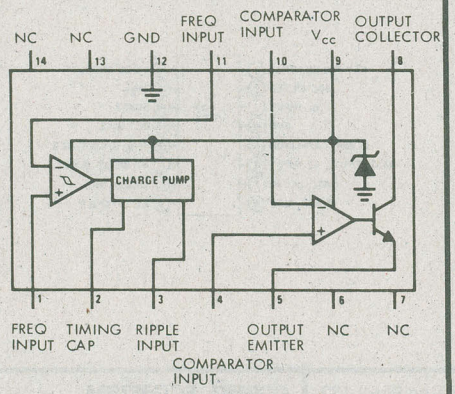
General Purpose Voltage Controlled Oscillator, Function Generator



Top View

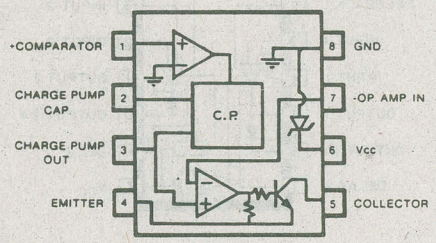
ECG995 14-Pin DIP See Fig. L104

Frequency to Voltage Converter



ECG995M 8-Pin DIP See Fig. L97

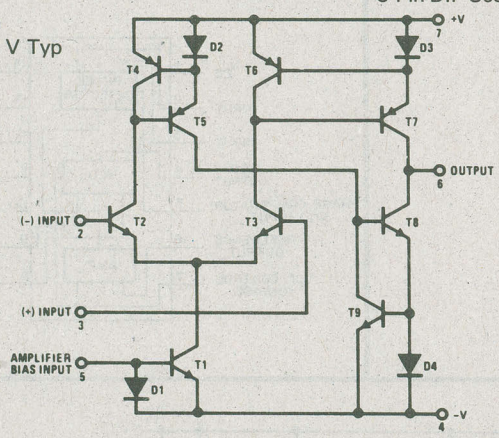
Frequency to Voltage Converter, V_{CC} = 12 V Typ



ECG996 8-Pin DIP See Fig. L97

Op Amp

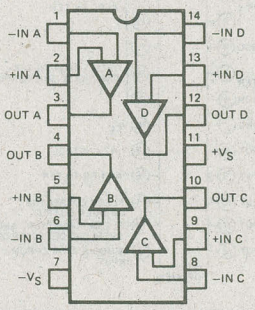
V = ±15 V Typ



ECG997 14-Pin DIP See Fig. L104

Quad Op Amp

V_S = ±15 V Typ

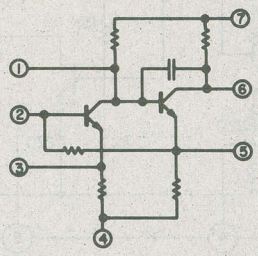


Package Outlines - See Page 1-297

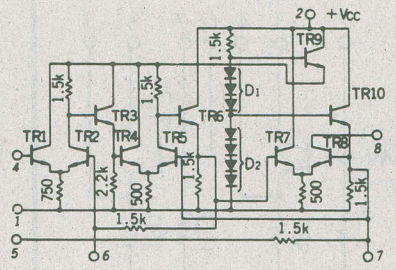
Linear IC and Module Circuits (cont'd)

ECG1000 7-Pin SIP See Fig. L30
Mod-Hybrid, Lo-Noise 12-Volt AF Preamp

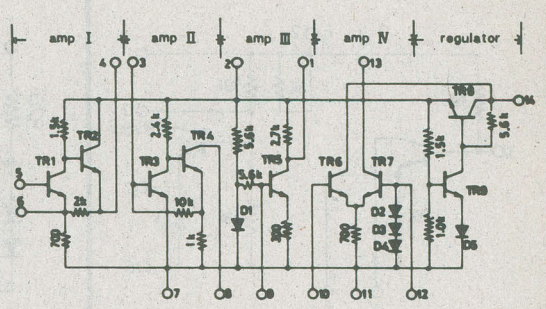
ECG1001
Mod-Hybrid, Lo-Noise 6-Volt AF Preamp



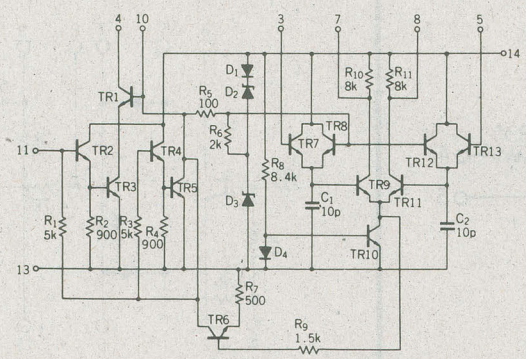
ECG1002 8-Pin Can See Fig. L3
FM/TV IF Amp



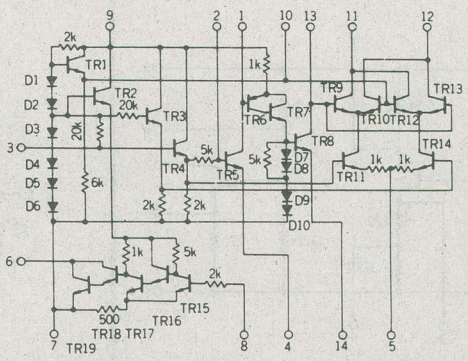
ECG1003 14-Pin DIP See Fig. L104
FM/AM IF Amp



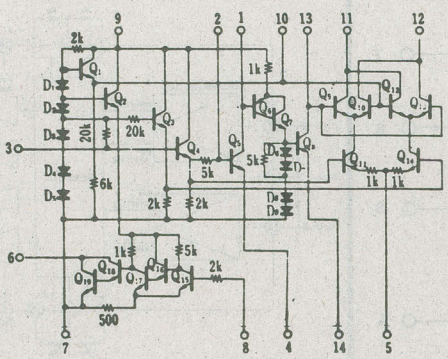
ECG1004 14-Pin DIP See Fig. L105
AFT System for TV



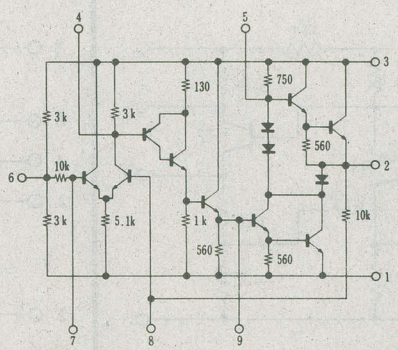
ECG1005 14-Pin DIP See Fig. L104
FM Stereo Demod



ECG1006 14-Pin DIP See Fig. L104
FM Stereo Demod



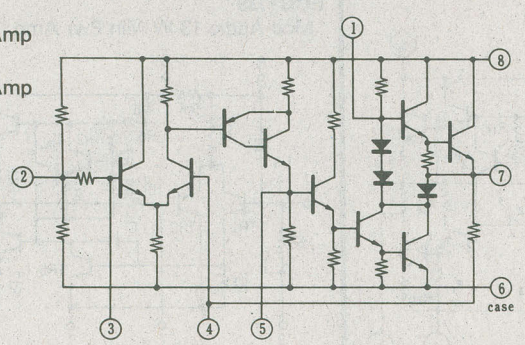
ECG1008 TO-3, 9-Pin See Fig. L13
1 W AF Amp



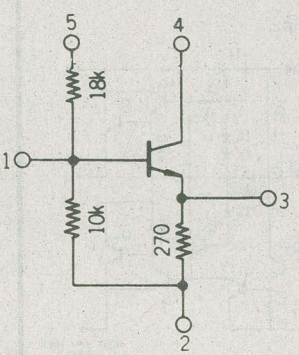
ECG1009 8-Pin DIP-W See Fig. L127
1 W AF Amp

ECG1010
2 W AF Amp

ECG1011
3 W AF Amp



ECG1012 5-Pin SIP See Fig. L20
Mod-Hybrid, CB Osc/AM IF

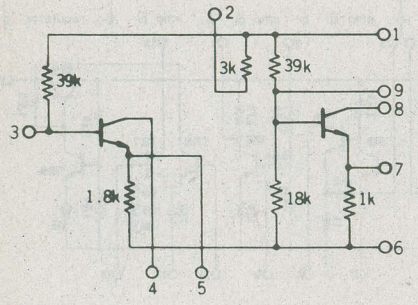


Package Outlines - See Page 1-297

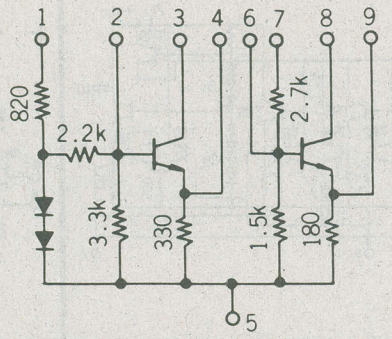
N

Linear IC and Module Circuits (cont'd)

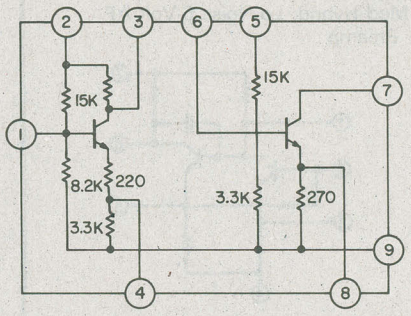
ECG1013 9-PIN ZIL See Fig. L37
Mod-Hybrid, AM IF Amp/AF Preamp



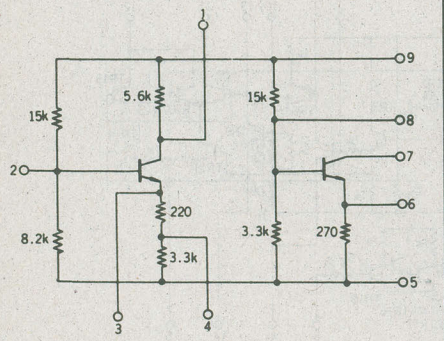
ECG1014 9-Pin ZIL See Fig. L38
Mod-Hybrid, RF Amp/Osc of FM Wireless Mic



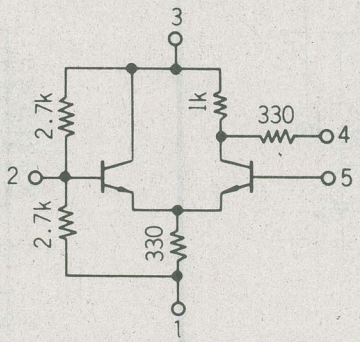
ECG1015 9-Pin ZIL See Fig. L37
Mod-Hybrid, Lo-Noise AF Preamp



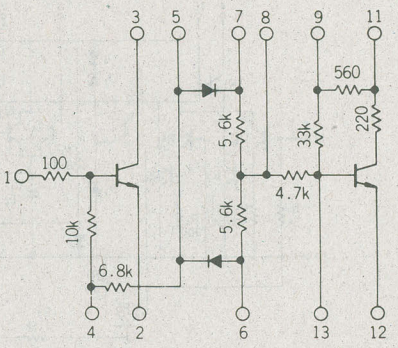
ECG1016 9-Pin ZIL See Fig. L37
Mod-Hybrid, AF Preamp



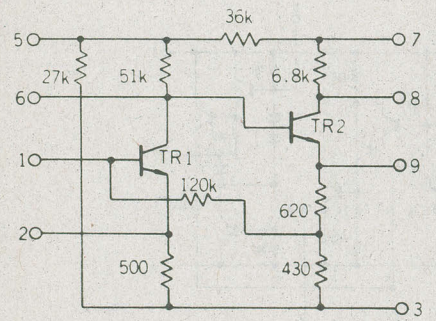
ECG1017 5-Pin ZIL See Fig. L21
Mod-Hybrid, AF Amp for Wireless Mic



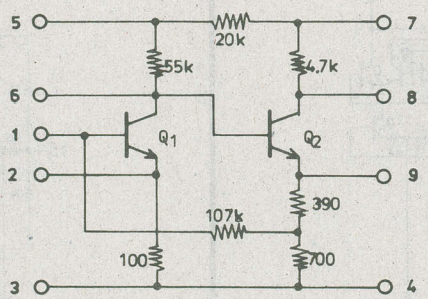
ECG1018 13-Pin ZIL See Fig. L44
Mod-Hybrid, Hor Osc/AFC



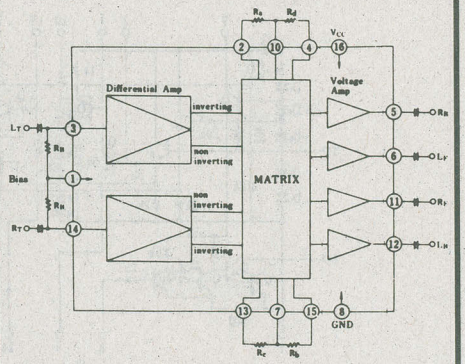
ECG1019 9-Pin ZIL See Fig. L37
Mod-Hybrid, Lo-Noise Audio Equalizing Amp



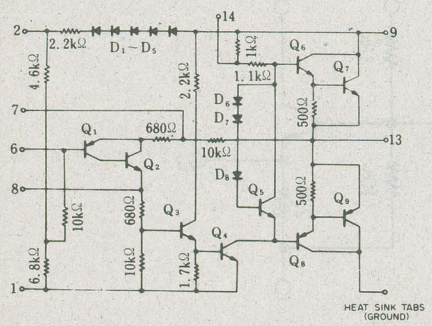
ECG1021 9-Pin ZIL See Fig. L37
Mod-Hybrid, Lo-Noise Audio Equalizing Amp



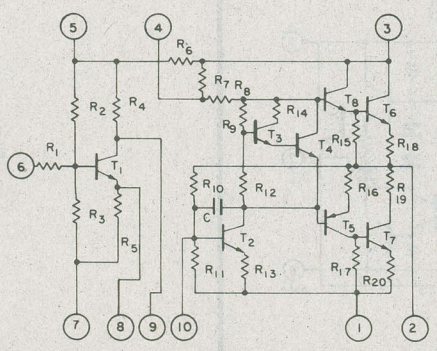
ECG1022 16-Pin ZIL See Fig. L112
4-Channel Stereo Matrix Decoder



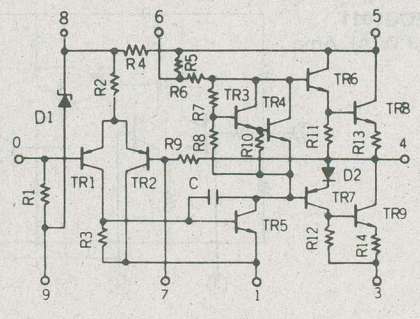
ECG1023 14-Pin DIP-W See Fig. L134
4 W Audio Amp
ECG1107
4.8 W Audio Amp



ECG1024 10-Pin SIP-M See Fig. L63
Mod-Hybrid, 8 W Audio Amp



ECG1025 10-Pin SIP-M See Fig. L65
Mod-Audio 10 W Min Pwr Amp
ECG1139
Mod-Audio 13 W Min Pwr Amp

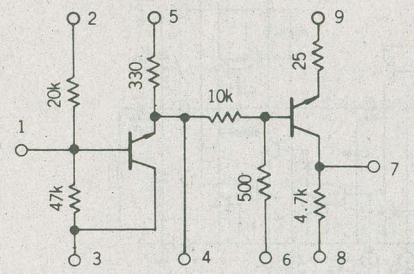


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

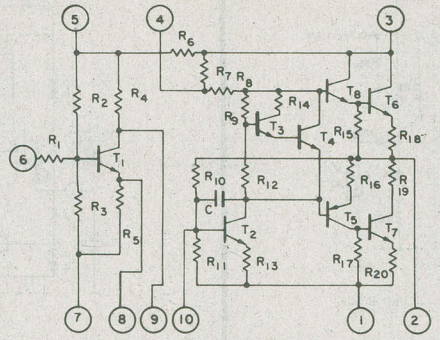
ECG1026 9-Pin ZIL See Fig. L37

Mod-Hybrid, Master Osc/Buffer for Organs



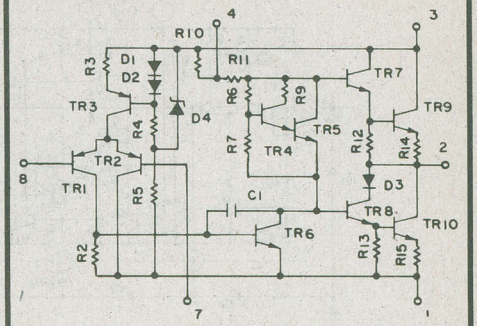
ECG1027 10-Pin SIP-M See Fig. L63

Mod-Hybrid, 13 W Audio Amp



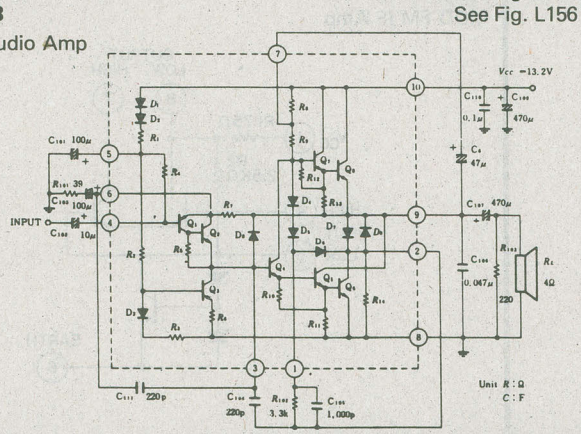
ECG1028 10-Pin SIP-M See Fig. L66

Mod-Hybrid, 20 W (Min) Audio Amp



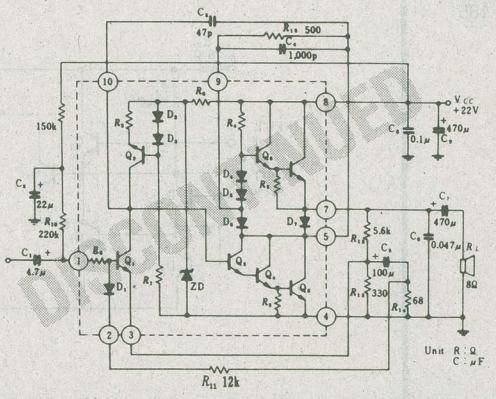
ECG1029
ECG1038 10 Pin DIP-HS See Fig. L155
See Fig. L156

3.5 W Audio Amp



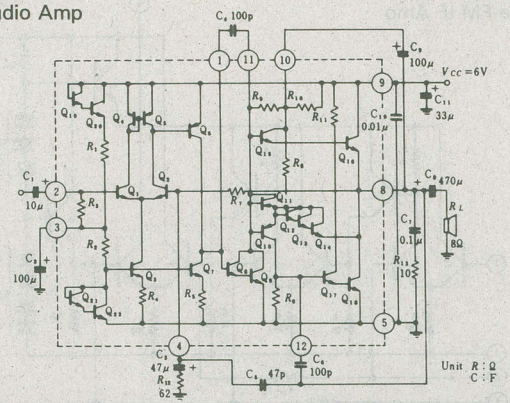
ECG1030 10-Pin DIP-HS See Fig. L155

5 W Audio Amp



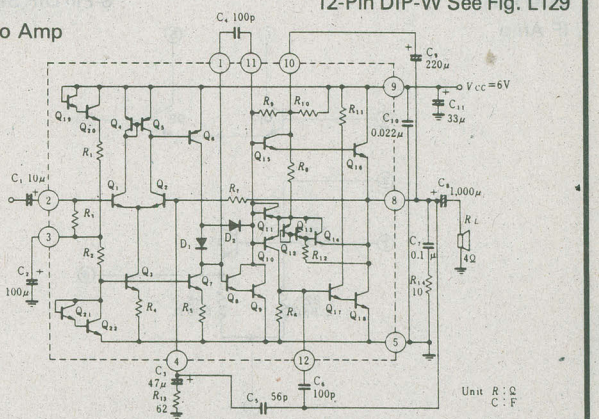
ECG1031 12-Pin DIP-W See Fig. L129

0.5 W Audio Amp



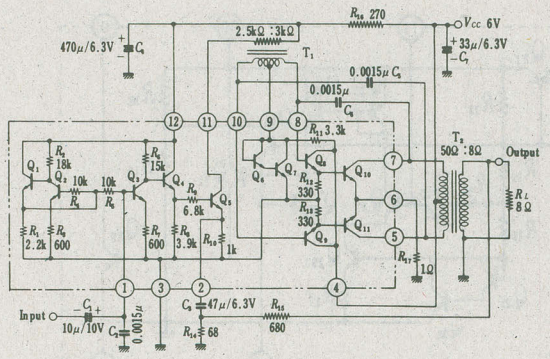
ECG1032 12-Pin DIP-W See Fig. L129

1 W Audio Amp



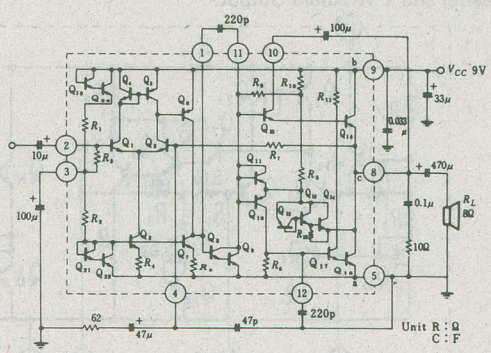
ECG1033 12-Pin DIP-W See Fig. L129

1 W Audio Amp



ECG1035 12-Pin DIP-W See Fig. L129

1 W Audio Amp

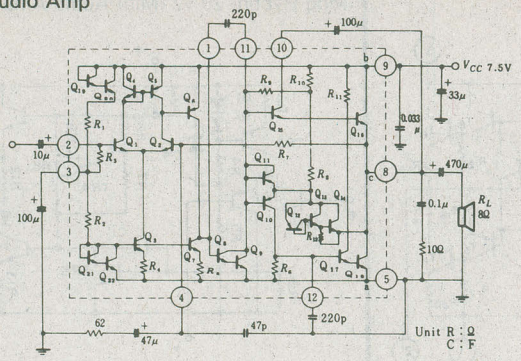


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

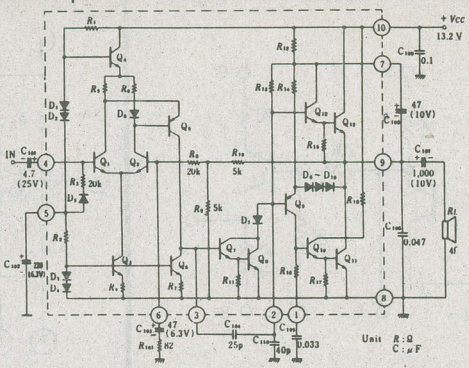
ECG1036 12-Pin DIP-W See Fig. L129

0.7 W Audio Amp



ECG1037 10-Pin DIP-HS See Fig. L155

5.5 W Audio Amp

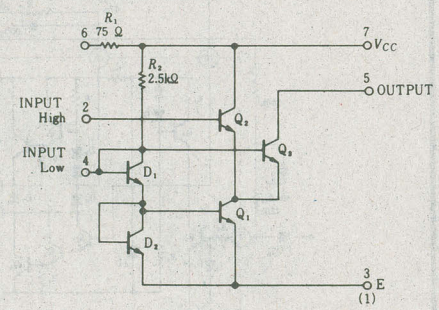


ECG1038

See ECG1029
Page 1-185

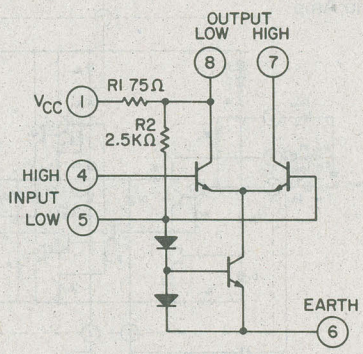
ECG1039 8-Pin DIP-HS See Fig. L155

FM IF Amp



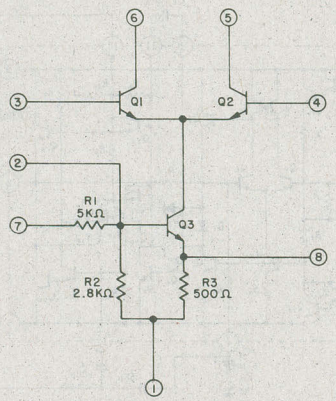
ECG1040 8-Pin SIP See Fig. L34

MOD-FM IF Amp



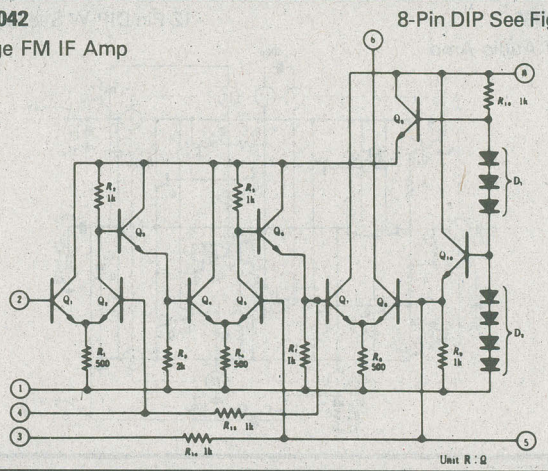
ECG1041 8-Pin DIP See Fig. L97

IF Amp



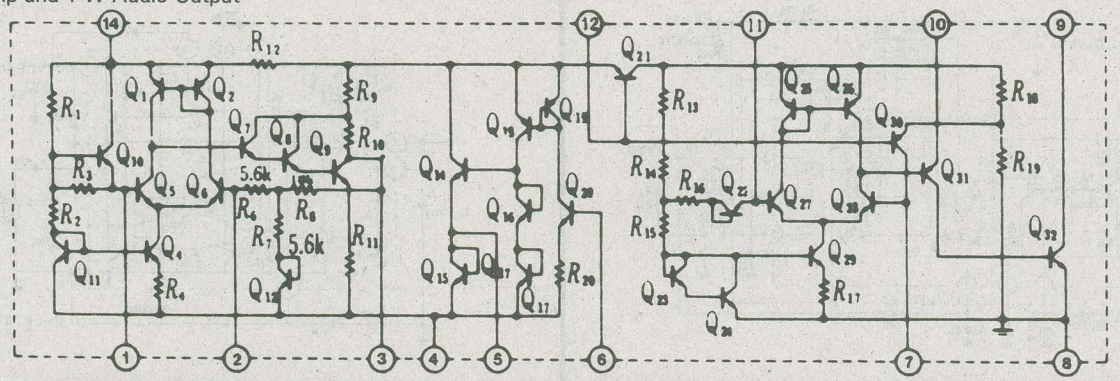
ECG1042 8-Pin DIP See Fig. L97

3 Stage FM IF Amp



ECG1043 14-Pin DIP See Fig. L104

Audio Preamp and 1 W Audio Output

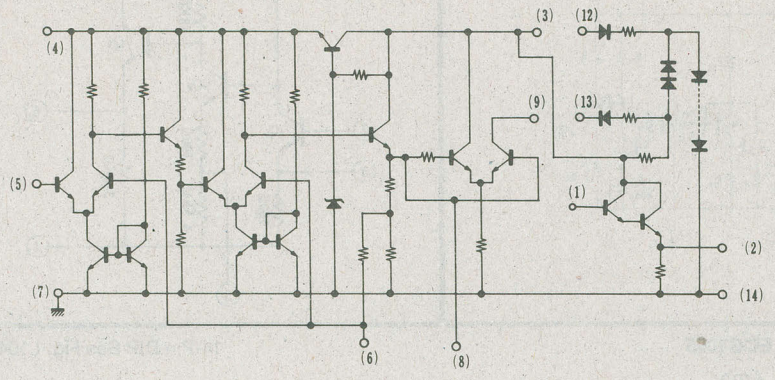


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

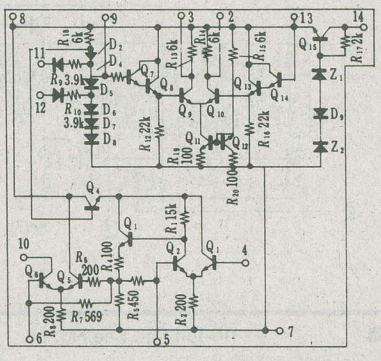
ECG1045 14-Pin DIP See Fig. L104

FM/TV Sound IF Detector/Amp



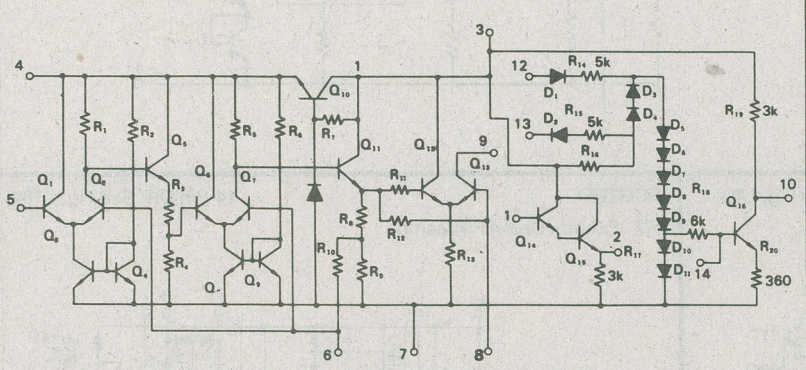
ECG1046 14-Pin DIP See Fig. L104

TV AFT



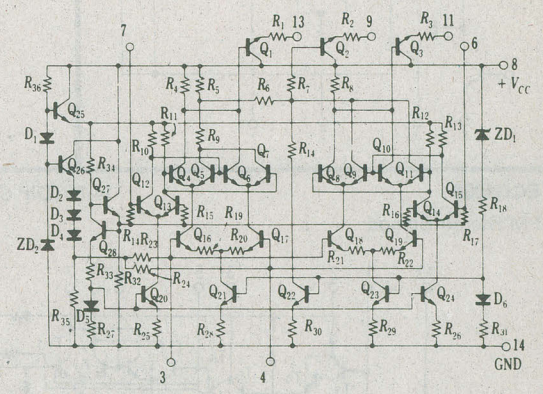
ECG1047 14-Pin DIP See Fig. L104

TV Sound IF/FM Det/AF Preamp



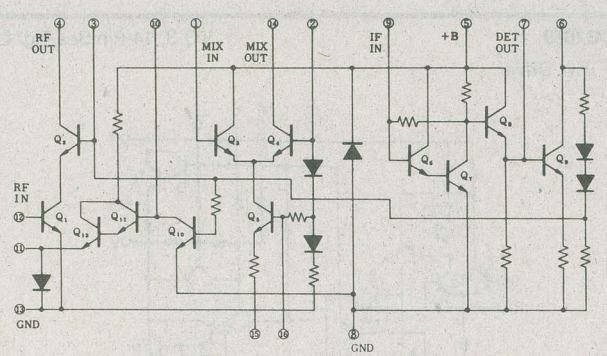
ECG1048 14-Pin DIP-ET See Fig. L145

Chroma Demod



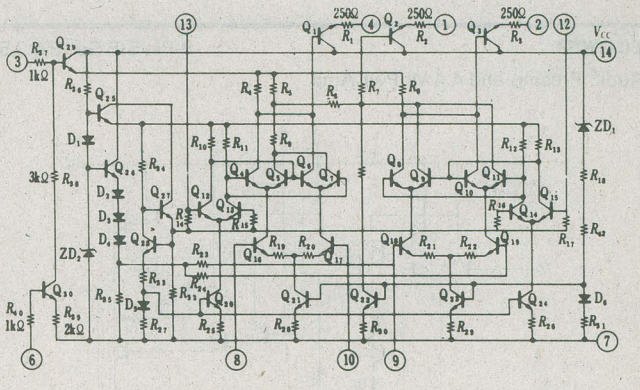
ECG1049 16-Pin DIP See Fig. L112

AM Radio Tuner with RF Amp



ECG1050 14-Pin DIP-ET See Fig. L145

Chroma Demod

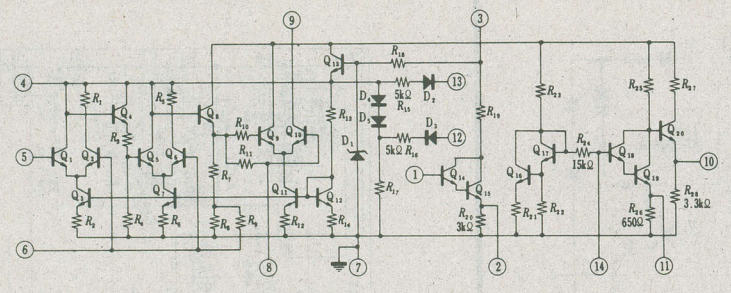


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

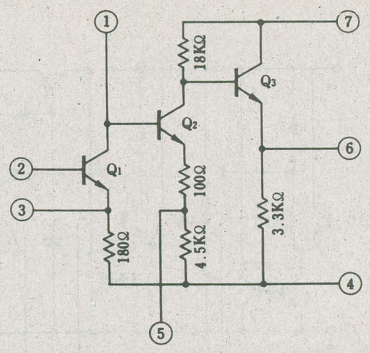
ECG1051 14-Pin DIP See Fig. L104

TV Sound IF/FM Det/AF Preamp



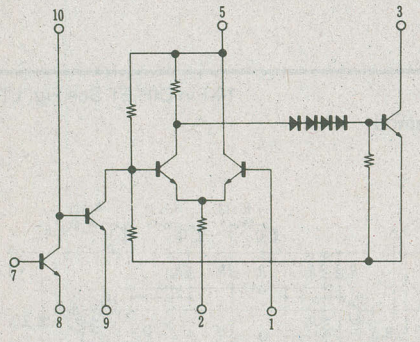
ECG1052 7-Pin SIP See Fig. L25

Mod-Lo-Noise Audio Preamp and Equalizer



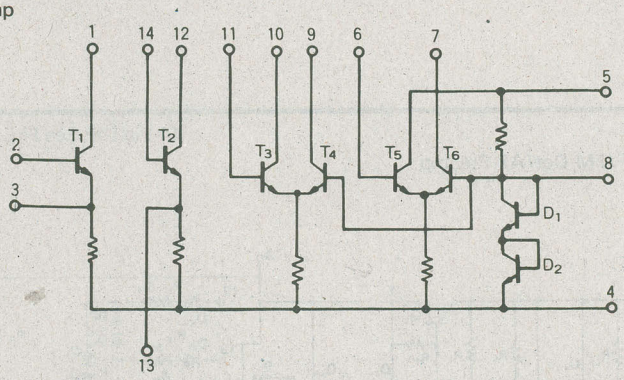
ECG1053 10-Pin Can See Fig. L8

Lo-Noise/Hi-Gain Audio Preamp



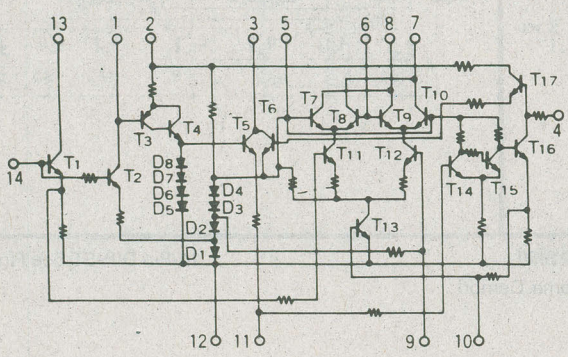
ECG1054, ECG1055 14-Pin DIP See Fig. L104

AM/FM IF Amp



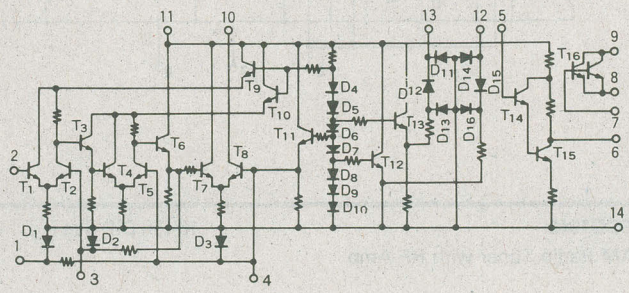
ECG1056 14-Pin DIP See Fig. L104

FM Stereo Demod



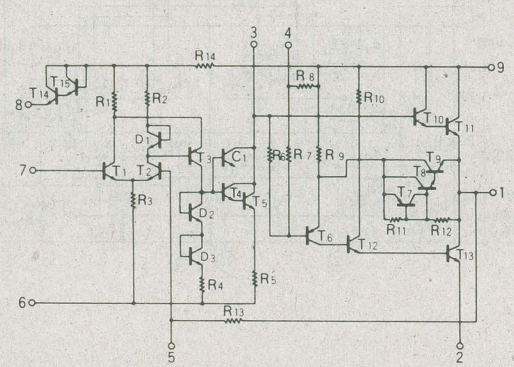
ECG1057 14-Pin DIP See Fig. L104

FM IF Amp/Det/AF Preamp



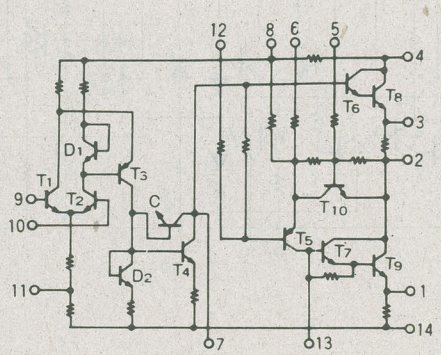
ECG1058 9-Pin SIP See Fig. L51

Audio Preamp and 4.4 W Pwr Amp



ECG1059 TO-3, 14-Pin See Fig. L15

AF Pwr Driver

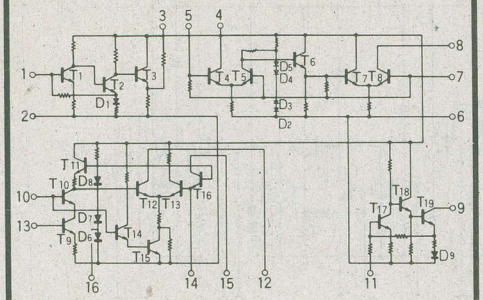


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

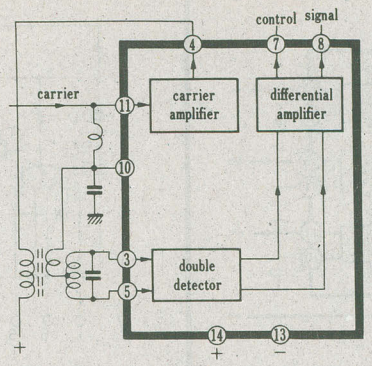
ECG1060 16-Pin DIP See Fig. L111

AM RF Amp/Mxr/Osc and AF/FM IF Amp



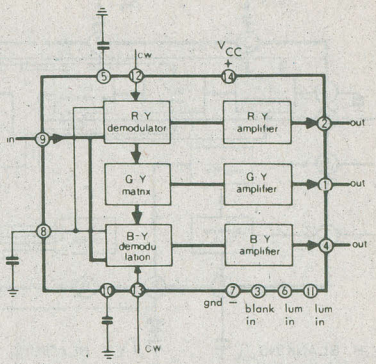
ECG1061 14-Pin DIP See Fig. L104

TV AFT



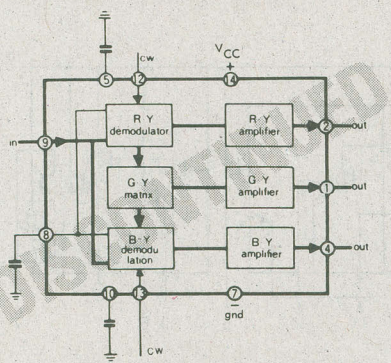
ECG1062 14-Pin DIP See Fig. L104

Chroma Demod



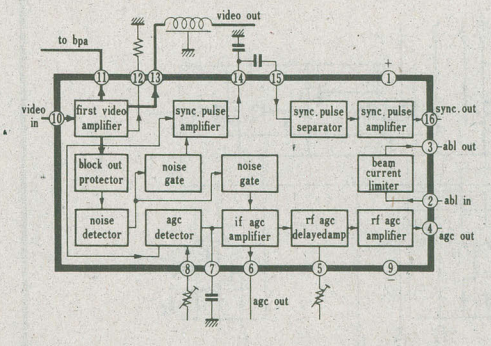
ECG1063 14-Pin DIP See Fig. L104

Chroma Demod



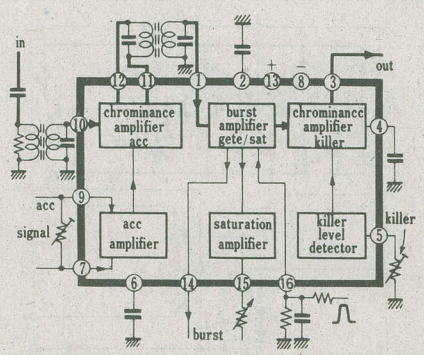
ECG1064, ECG1065, ECG1066, ECG1070 16-Pin DIP See Fig. L111

TV Vid Sig Processor



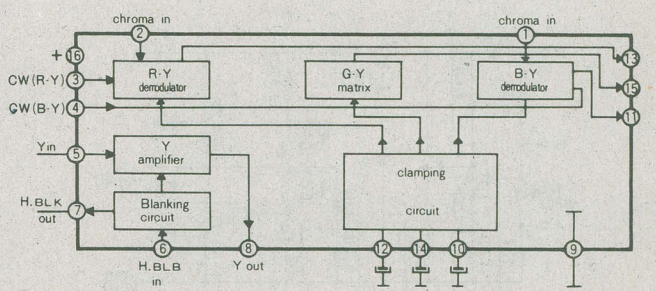
ECG1067 16-Pin DIP See Fig. L111

Chroma Sig Processor



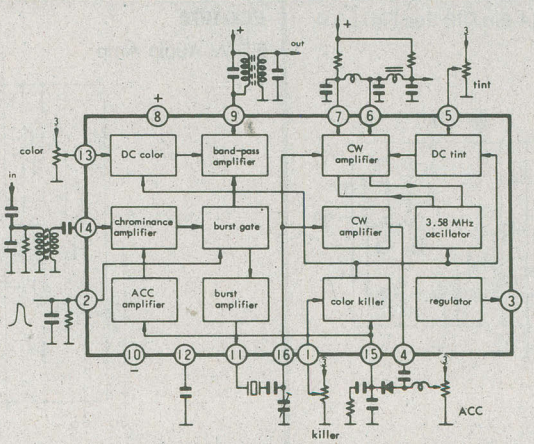
ECG1068 16-Pin DIP See Fig. L111

Chroma Demod



ECG1069 16-Pin DIP See Fig. L112

Chroma Processor

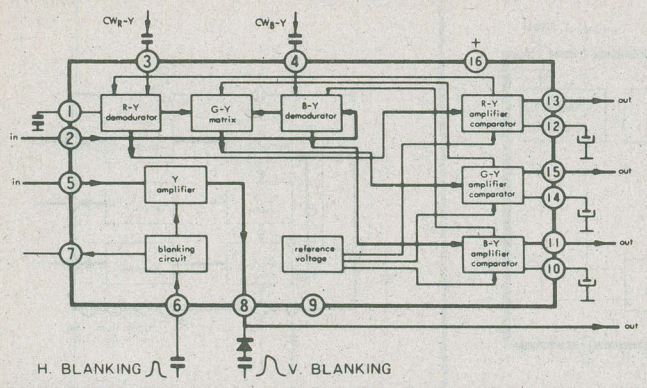


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

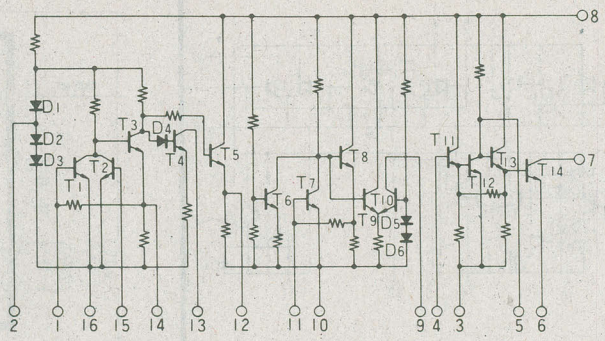
ECG1071 16-Pin DIP See Fig. L111

Chroma Demod



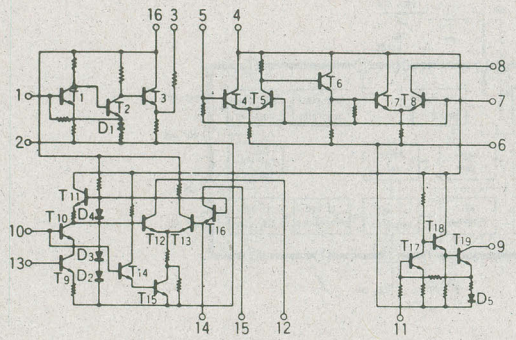
ECG1072 16-Pin DIP See Fig. L111

FM/AM IF Amp and AF Preamp



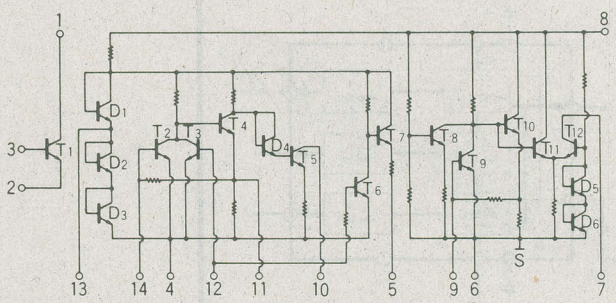
ECG1073 16-Pin Dip See Fig. L111

AM/RF Amp/Mxr/Osc and FM/AM IF Amp



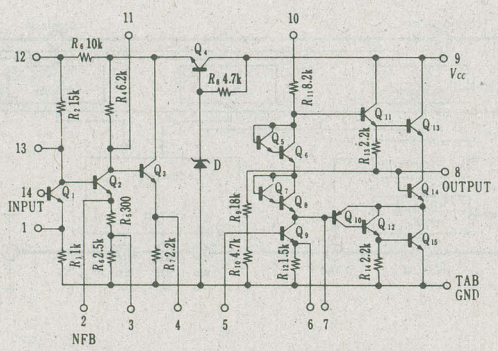
ECG1074 14-Pin DIP See Fig. L104

FM/AM IF Amp/AM/Mxr Osc and Tuning Master Dr



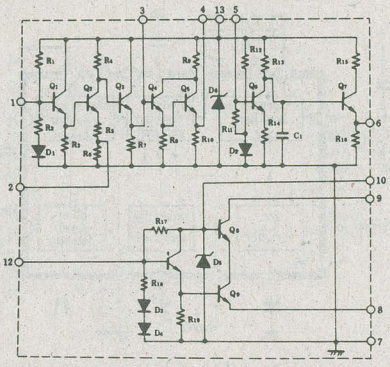
ECG1075A 14-Pin DIP-ET See Fig. L145

1.0 W Audio Amp



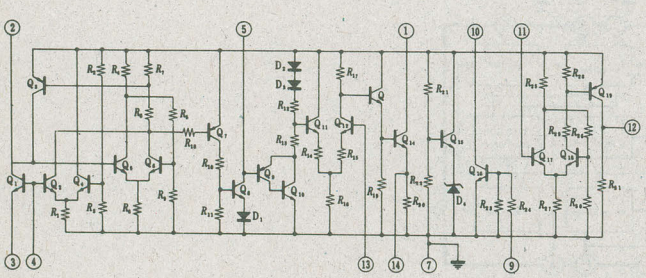
ECG1076 14-Pin DIP See Fig. L104

TV Vid IF, Output Detector, AFT, Take-Off Ckt



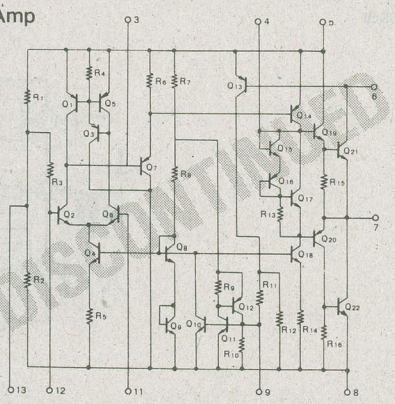
ECG1077 14-Pin DIP See Fig. L104

Vert Osc, AFC/Vert Dr



ECG1078 14-Pin DIP See Fig. L108

6.5 W Audio Amp



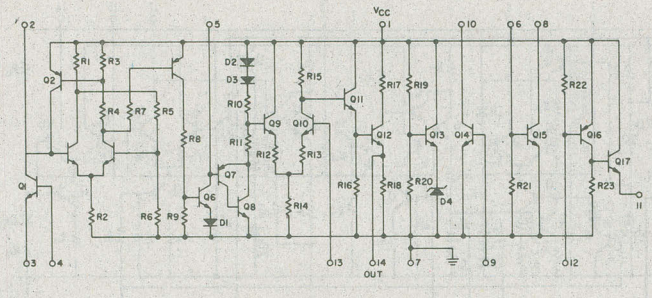
DISCONTINUED

Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

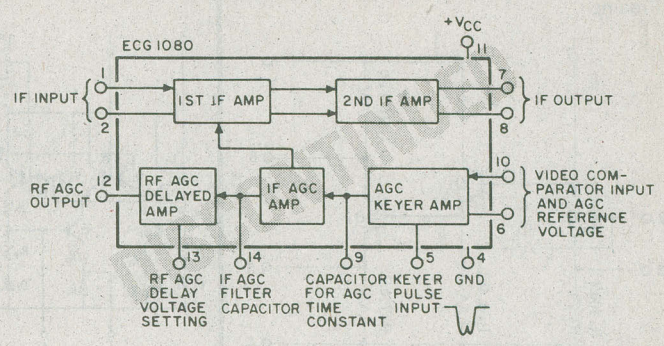
ECG1079 14-Pin DIP See Fig. L104

Vert Osc/Dr



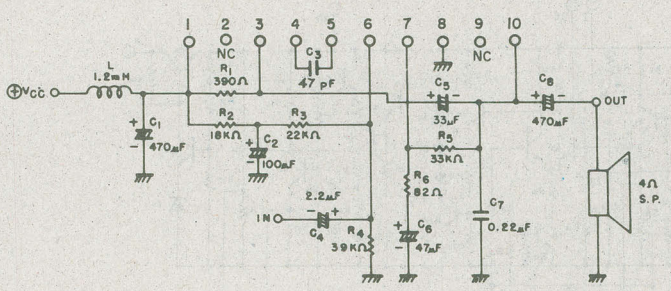
ECG1080 14-Pin DIP See Fig. L104

TV Video IF with Keyed AGC



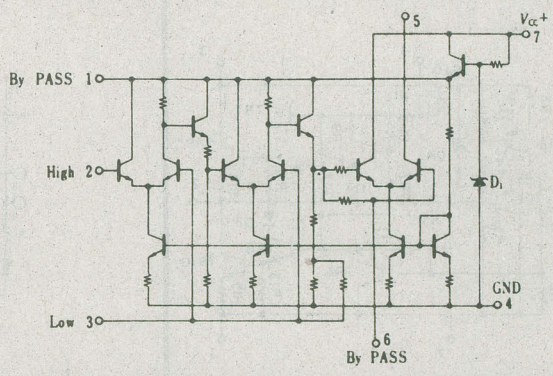
ECG1081A 10-Pin SIP-HS See Fig. L90

4.8 W Audio Amp



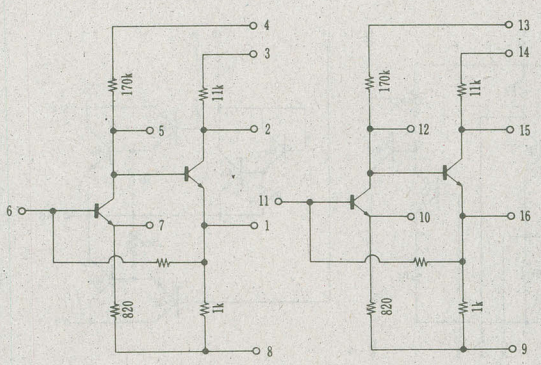
ECG1082 7-Pin SIP See Fig. L25

Mod-AF Equalizer and Preamp



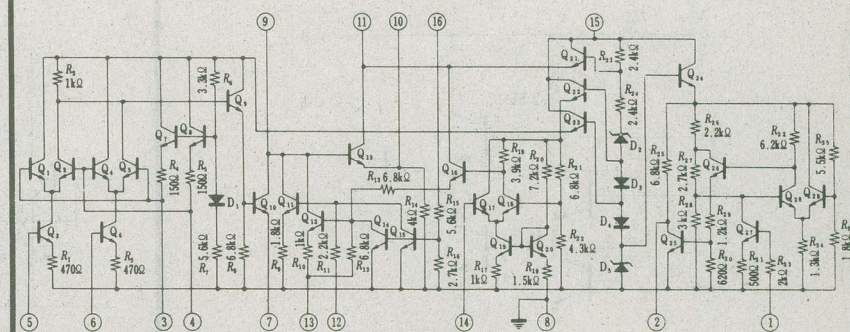
ECG1083 16-Pin (Dual 8) See Fig. L110

Mod-Hybrid, Dual Hi-Gain Audio Preamp



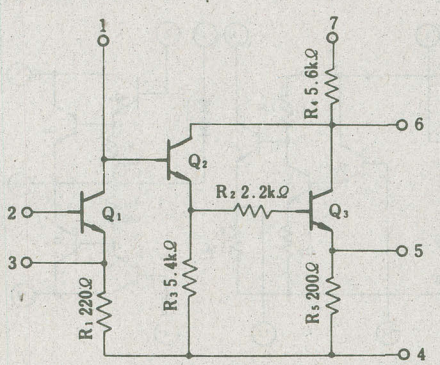
ECG1084 16-Pin DIP See Fig. L112

Vid Output, ARC, Brightness Lim, DC Contrast Control



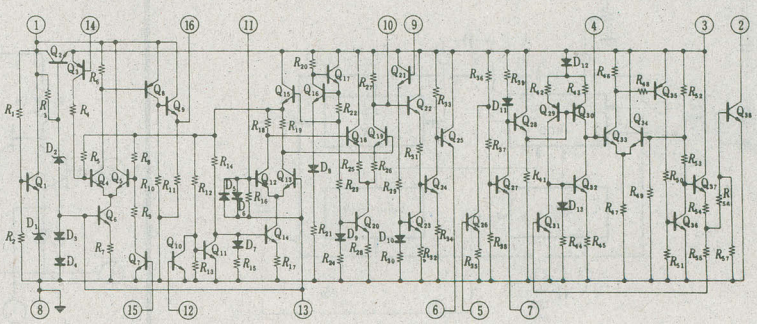
ECG1085 7-Pin SIP See Fig. L24

Lo-Noise Audio Preamp



ECG1086 16-Pin DIP See Fig. L112

TV Sync Sep/Hor Osc/AFC

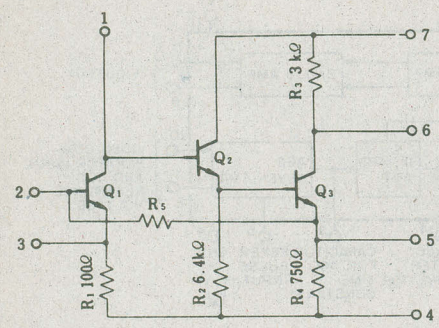


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

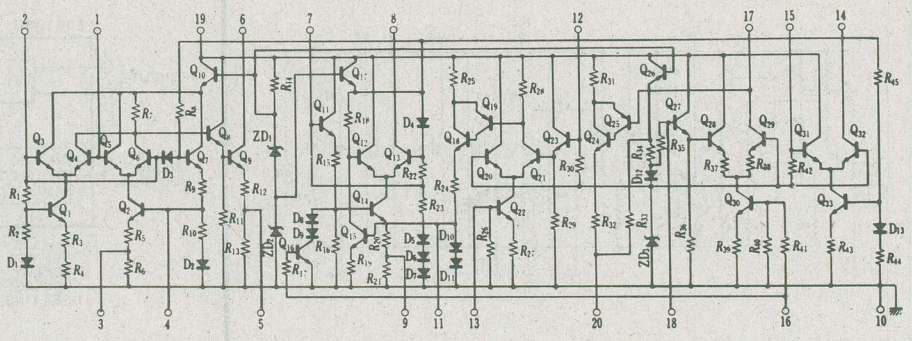
ECG1087 7-Pin SIP See Fig. L24

Mod-Gen Purp Lo-Noise/Hi-Gain Audio Preamp



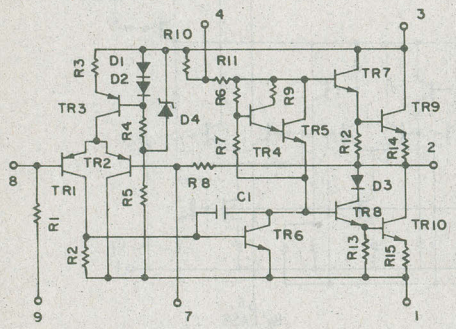
ECG1089 20-Pin DIP See Fig. L118

Chroma Sig Processor



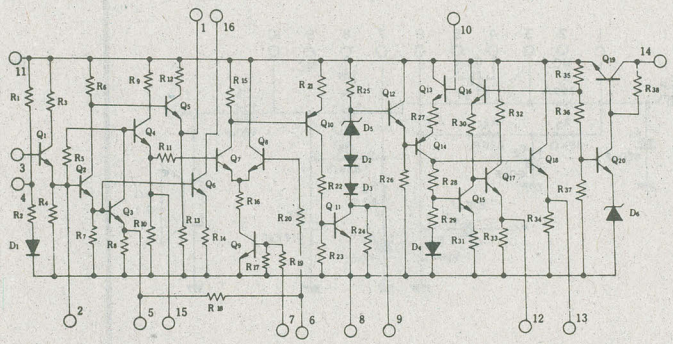
ECG1090 10-Pin SIP-M See Fig. L66

Mod-Hybrid, 25 W Audio Amp



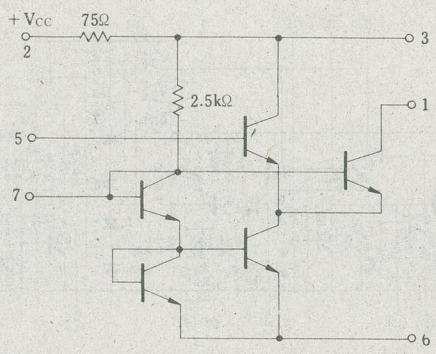
ECG1091 16-Pin DIP See Fig. L112

1st Vid Amp/Inv, AGC Gate/Amp, Color Take-Off



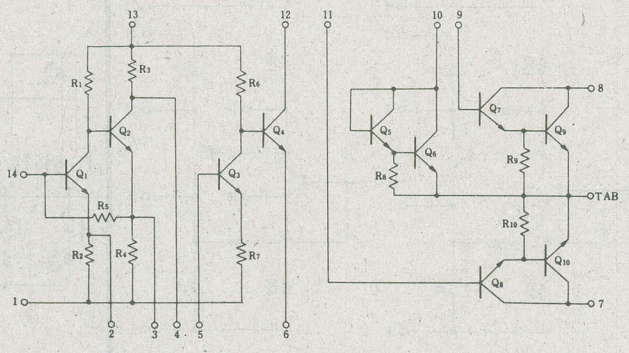
ECG1092 7-Pin SIP See Fig. L25

Mod-RF/IF Amp to 150 MHz



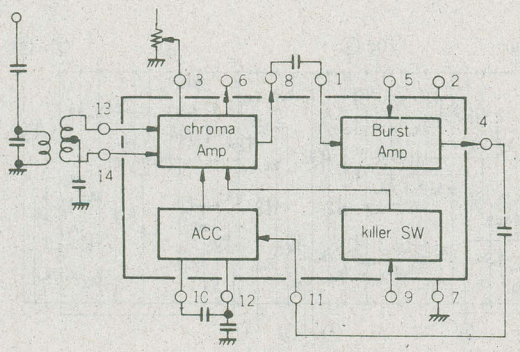
ECG1093 14-Pin DIP-ET See Fig. L145

Audio Preamp/1 W Pwr Output



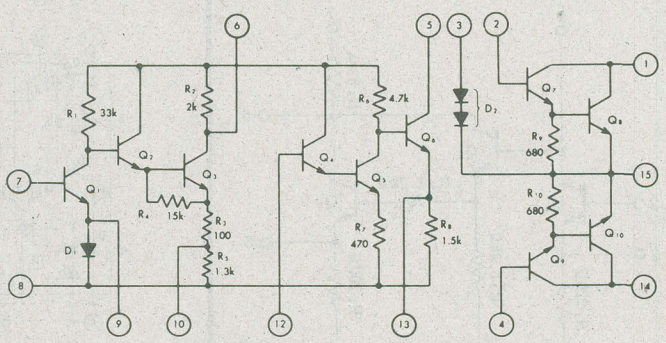
ECG1094 14-Pin DIP See Fig. L104

TV Chroma Amp



ECG1095 14-Pin DIP-ET See Fig. L143

Audio Preamp/Dr/1 W Pwr Output

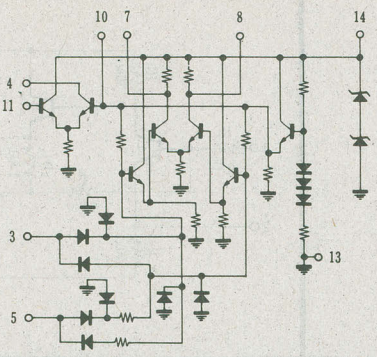


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

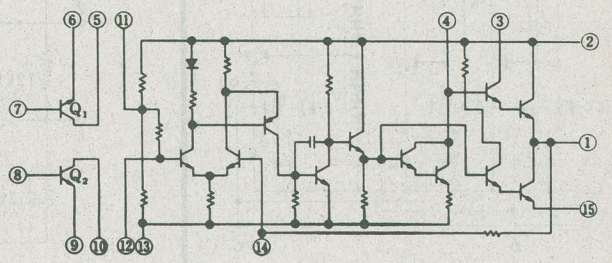
ECG1096 14-Pin DIP-ET See Fig. L143

TV AFT



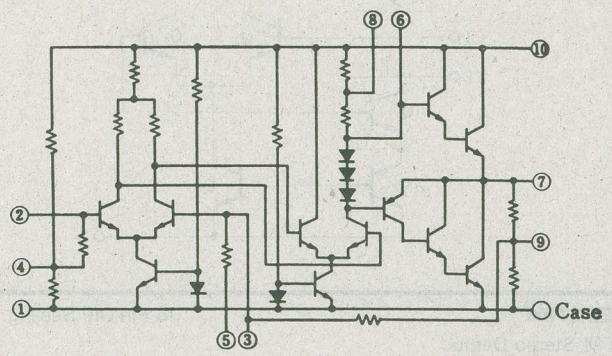
ECG1097 14-Pin DIP-ET See Fig. L143

1 W Audio Amp Plus 2 Transistors



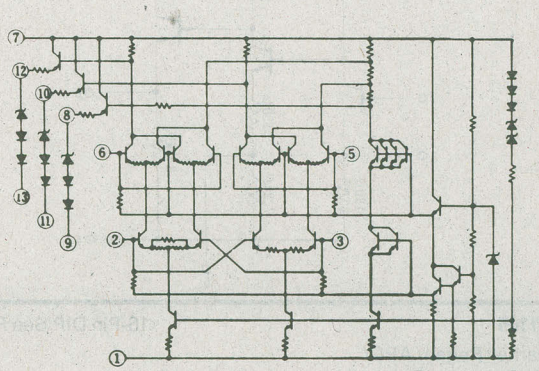
ECG1098 TO-3, 10-Pin See Fig. L14

5 W Audio Amp



ECG1099 14-Pin DIP See Fig. L104

Chroma Demod



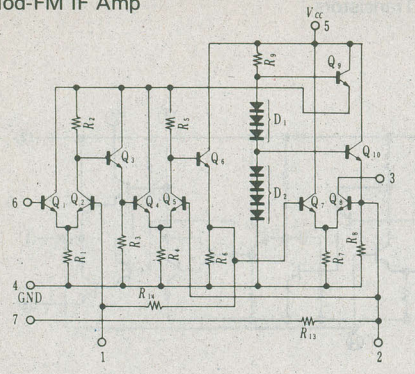
Package Outlines - See Page 1-297

N

Linear IC and Module Circuits (cont'd)

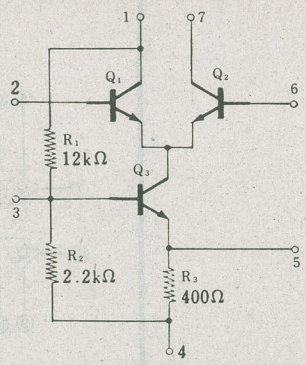
ECG1100 7-Pin SIP See Fig. L24

Mod-FM IF Amp



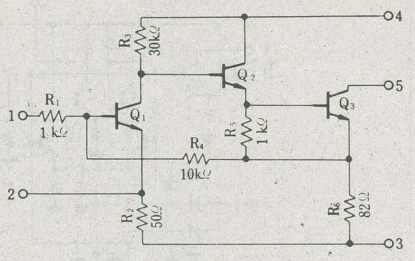
ECG1101 7-Pin SIP See Fig. L24

Mod-Gen Purp Amp, DC to 100 MHz



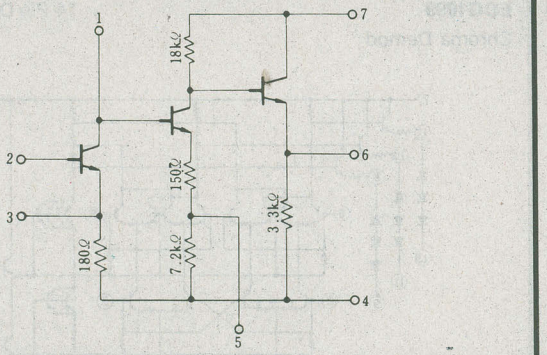
ECG1102 5-Pin SIP See Fig. L23

Mod-3 Stage Audio Amp/Dr



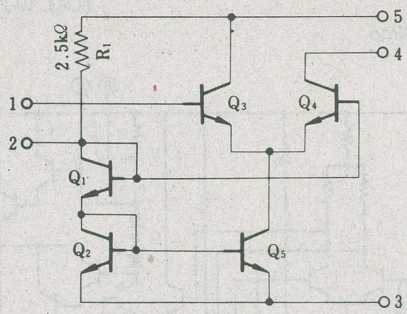
ECG1103 7-Pin SIP See Fig. L24

Mod-Gen Purp Audio Preamp/Voltage Amp



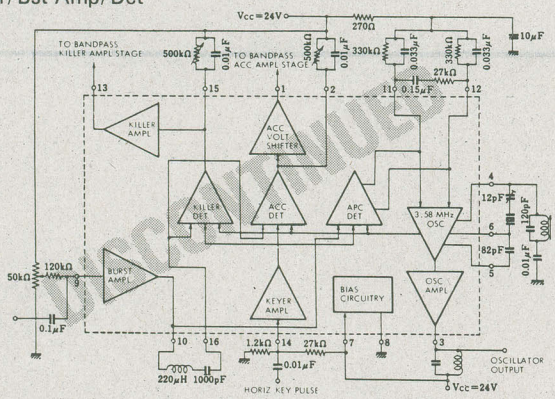
ECG1104 5-Pin SIP See Fig. L23

Mod-Hi-Freq Amp to 100 MHz



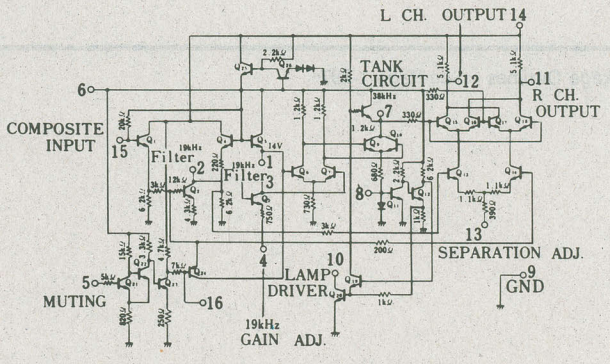
ECG1105 16-Pin DIP See Fig. L112

Subcarrier Regen/APC/ Killer/Bst Amp/Det



ECG1106 16-Pin DIP See Fig. L112

FM Stereo Demod

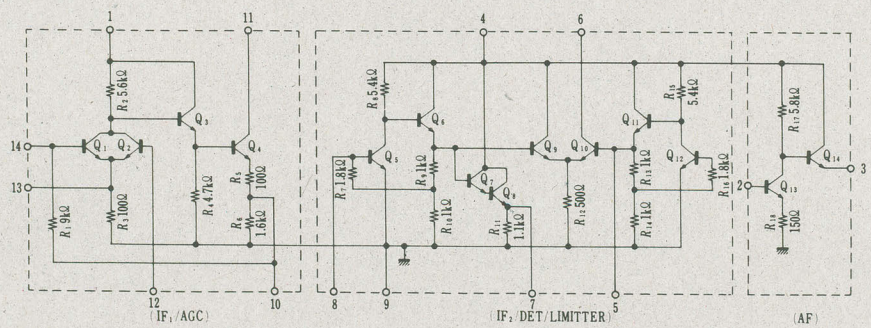


ECG1107

See ECG1023
Page 1-184

ECG1108 14-Pin DIP See Fig. L104

AM/FM IF Amp/Det/AF Amp

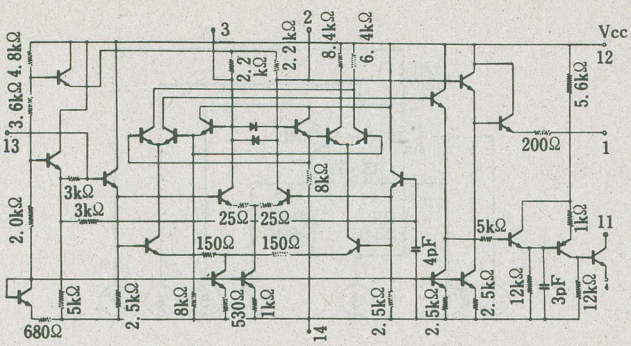


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

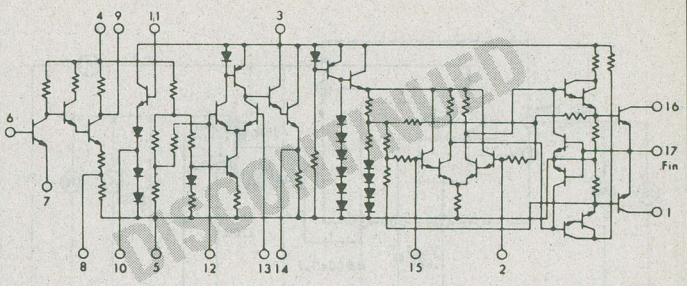
ECG1109 14-Pin DIP See Fig. L105

Lo-Level Vid Det



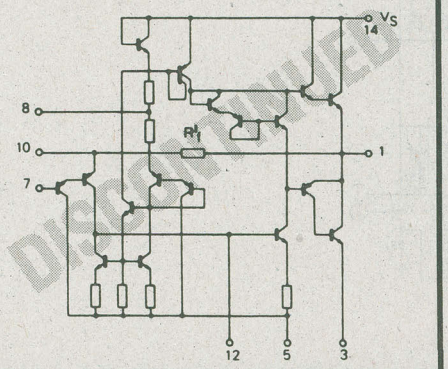
ECG1110 16-Pin DIP-ET See Fig. L149

Audio Preamp/Tone Amp/2 W Pwr Output



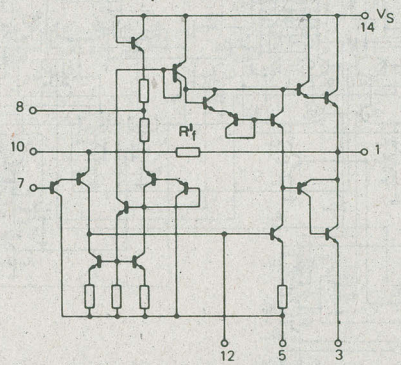
ECG1111 14-Pin DIP-Q-HS See Fig. L157

4 W Audio Amp



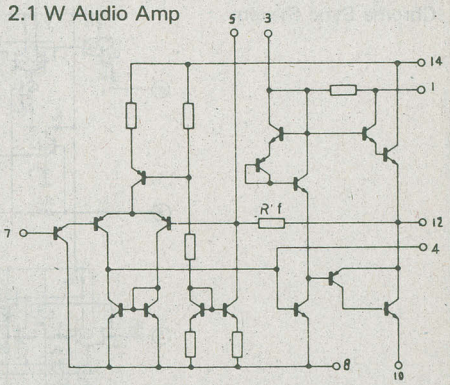
ECG1112 14-Pin DIP See Fig. L104

2.2 W Audio Amp



ECG1113 14-Pin DIP-Q See Fig. L107

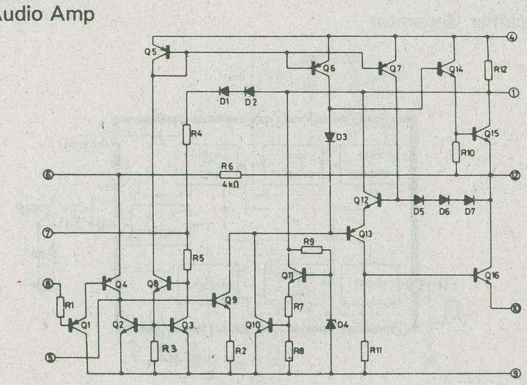
2.1 W Audio Amp



ECG1115 12-Pin DIP-W See Fig. L130

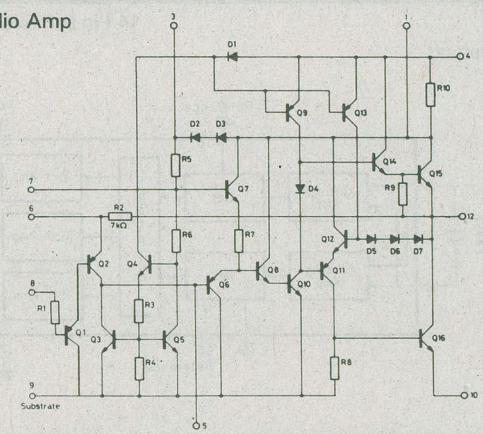
ECG1115A 12-Pin DIP-QW See Fig. L131

7 W Audio Amp



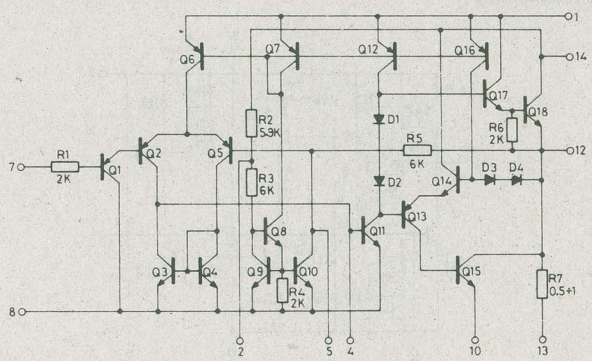
ECG1116 12-Pin DIP-QW See Fig. L131

5 W Audio Amp



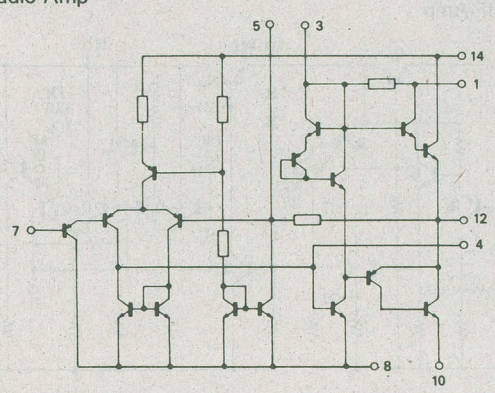
ECG1117 14-Pin DIP-Q See Fig. L107

2 W Audio Amp



ECG1118 14-Pin DIP-Q-HS See Fig. L157

3.3 W Audio Amp

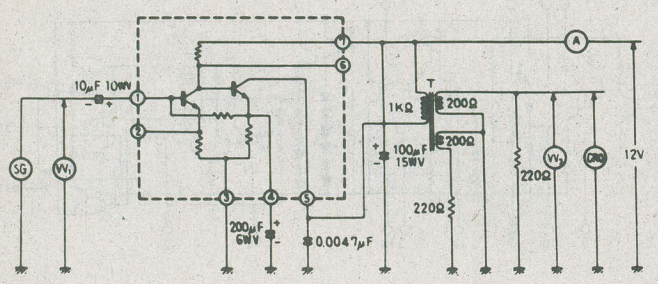


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

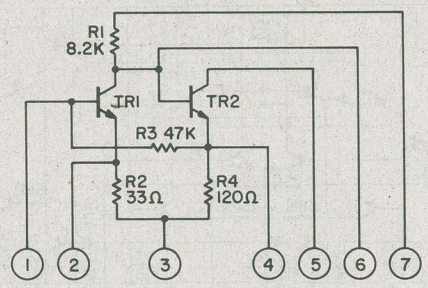
ECG1119 7-Pin SIP See Fig. L30

Mod-Hybrid, 2-Stage Audio Amp/Dr



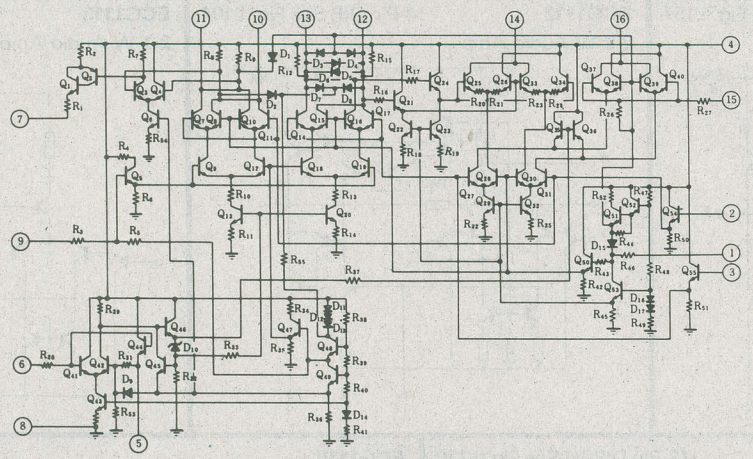
ECG1120 7-Pin SIP See Fig. L30

Mod-Hybrid, Audio Dr



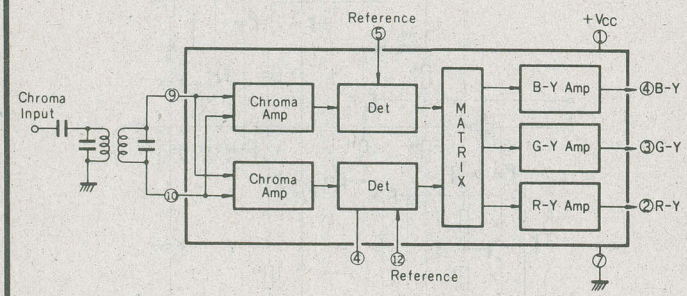
ECG1121 16-Pin DIP See Fig. L111

Chroma Sync System



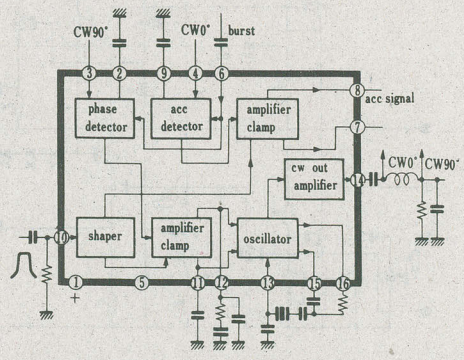
ECG1122 14-Pin DIP See Fig. L104

Chroma Demod



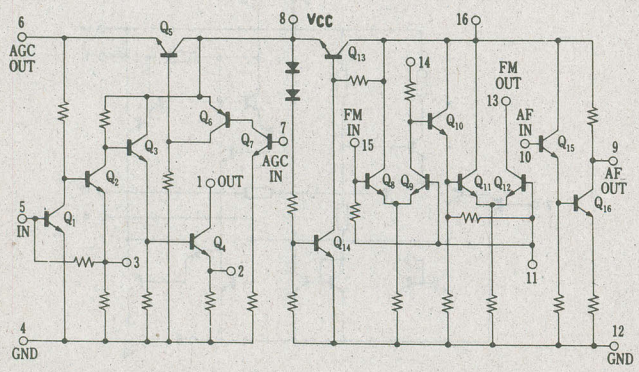
ECG1123 16-Pin DIP See Fig. L111

TV Subcarrier Generator



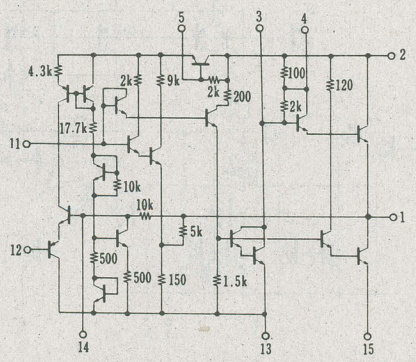
ECG1124 16-Pin DIP See Fig. L112

AM/FM IF Amp



ECG1126 14-Pin DIP-ET See Fig. L143

1 W Audio Amp

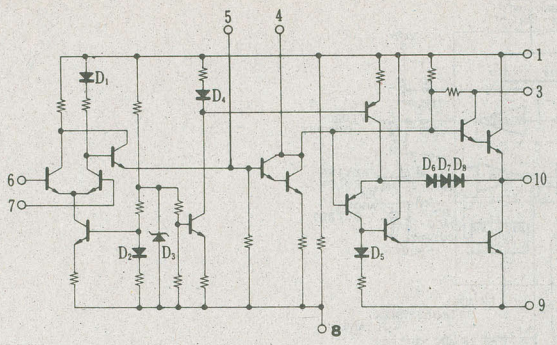


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

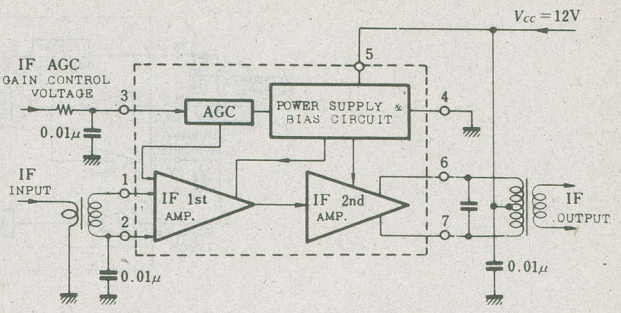
ECG1127 10-Pin SIP-HS See Fig. L90

4.5 W Audio Amp



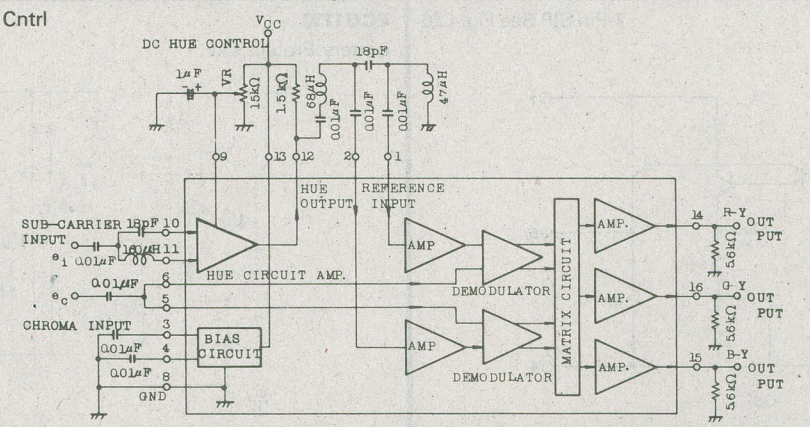
ECG1128 7-Pin SIP See Fig. L24

TV Vid IF



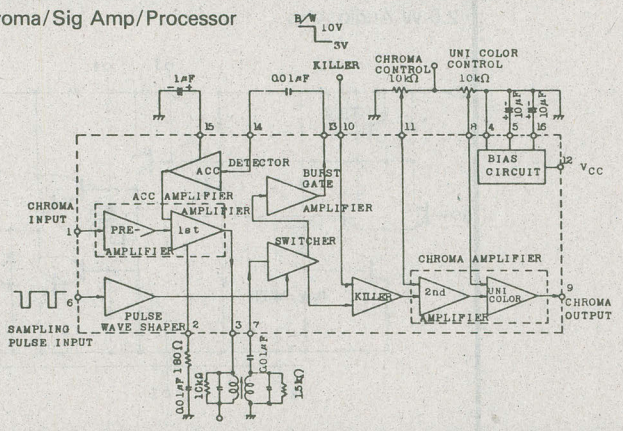
ECG1130 16-Pin DIP See Fig. L112

Chroma Demod/Matrix Hue Cntrl



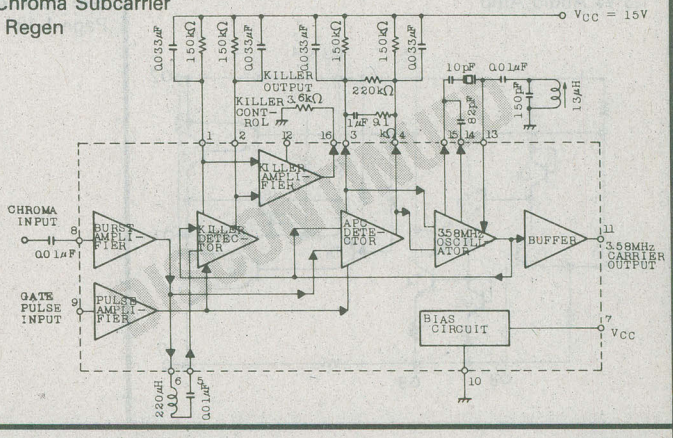
ECG1131 16-Pin DIP See Fig. L112

Chroma/Sig Amp/Processor



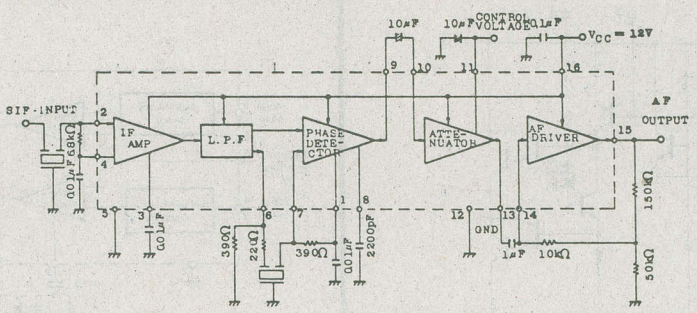
ECG1132 16-Pin DIP See Fig. L112

Chroma Subcarrier Regen



ECG1133 16-Pin DIP See Fig. L112

TV Sound IF/Det



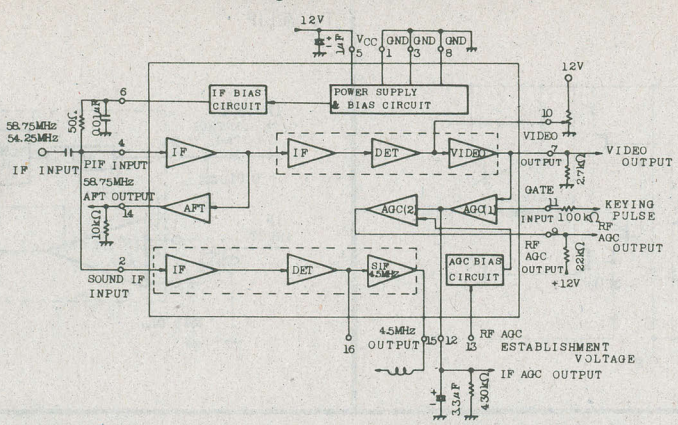
Package Outlines - See Page 1-297

N

Linear IC and Module Circuits (cont'd)

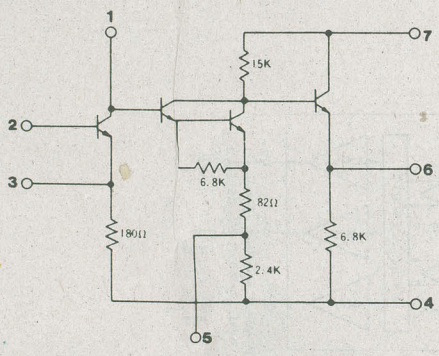
ECG1134 16-Pin DIP See Fig. L112

TV Vid Processor



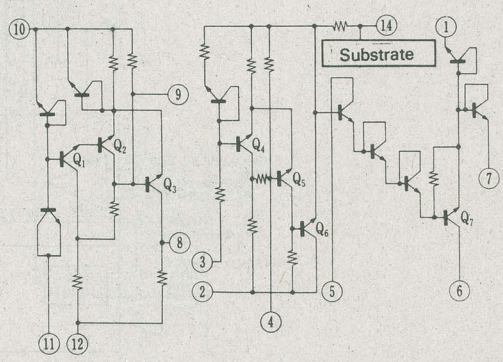
ECG1135 7-Pin SIP See Fig. L26

Hi-Gain Audio Preamp



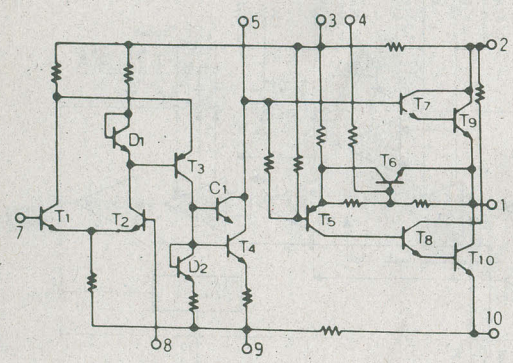
ECG1136 14-Pin DIP See Fig. L104

Battery Protect Ckt



ECG1137 10-Pin Can See Fig. L8

1.3 W Audio Amp

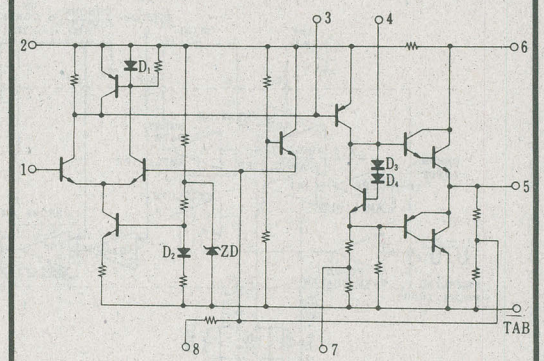


ECG1139

See ECG1025
Page 1-184

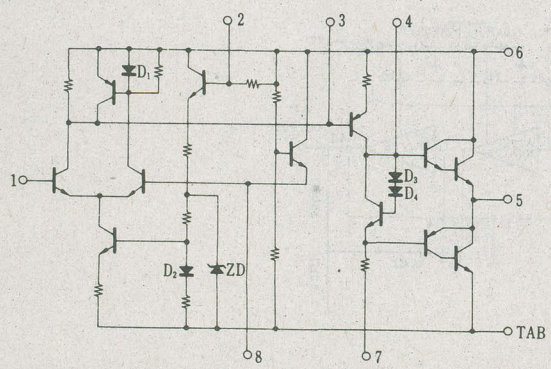
ECG1140 8-Pin DIP-ET See Fig. L137

2.0 W Audio Amp



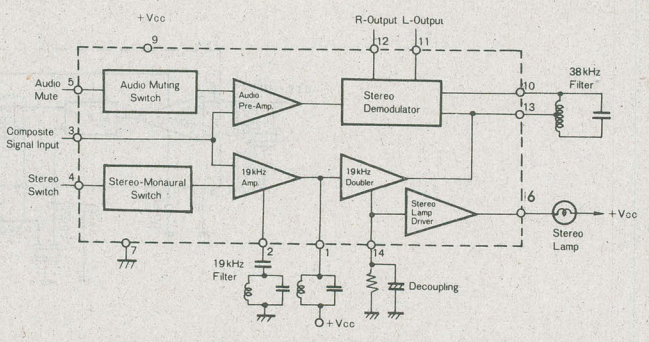
ECG1141 8-Pin DIP-ET See Fig. L137

AF PO, 1.5 W



ECG1142 14-Pin DIP See Fig. L104

FM Multiplex Stereo Demodulator

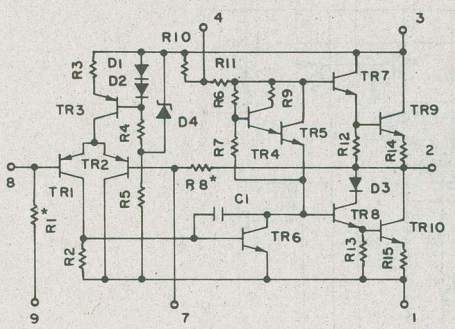


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

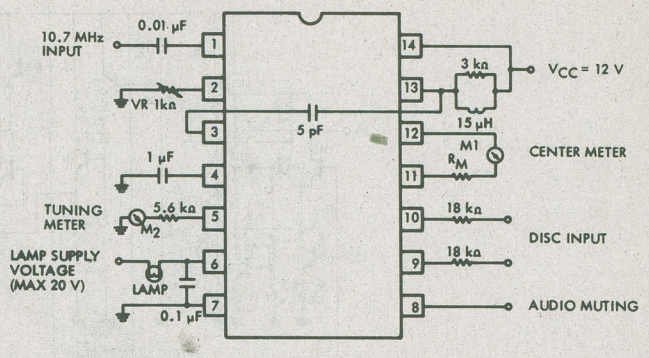
ECG1148 10-Pin SIP-M See Fig. L66

Mod-AF PO, 50 W



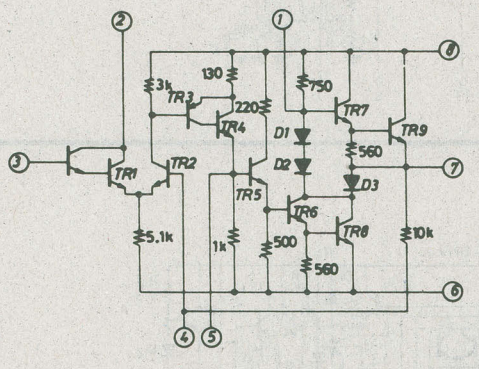
ECG1149 14-Pin DIP See Fig. L105

FM Tuning System and Indicator



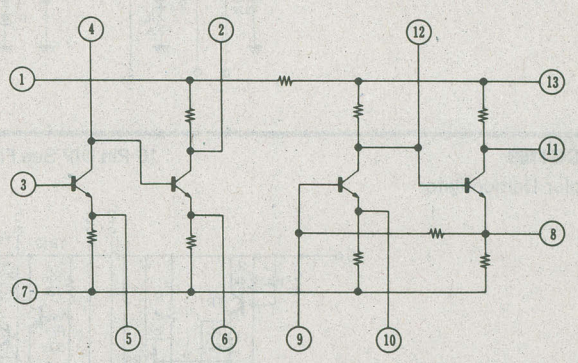
ECG1150 8-Pin DIP-W See Fig. L127

AF PO, 2.5 W



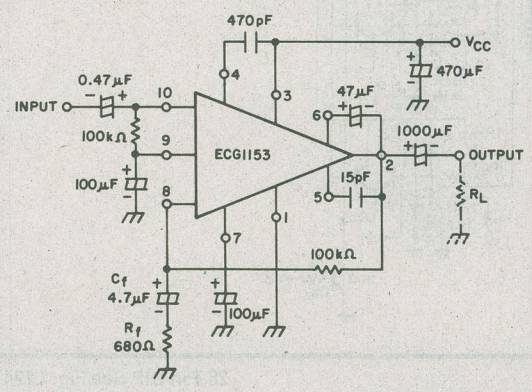
ECG1152 13-Pin ZIL See Fig. L44

Mod-AF Preamp, High Gain



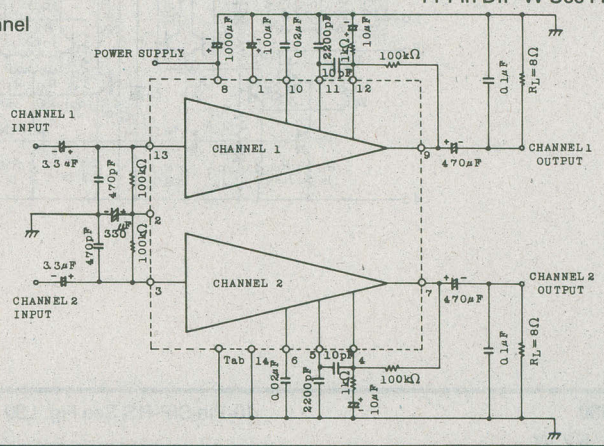
ECG1153 10-Pin SIP-HS See Fig. L85

AF PO, 4.2 W



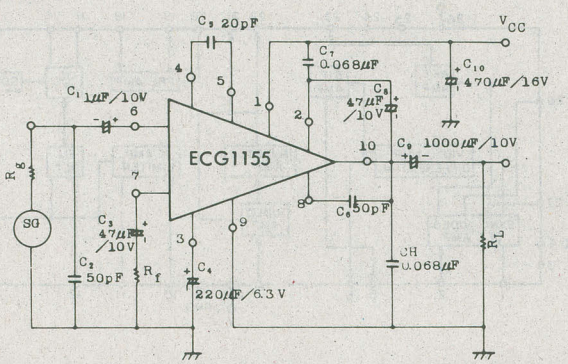
ECG1154 14-Pin DIP-W See Fig. L133

AF PO, 2-Channel
2 W/Channel



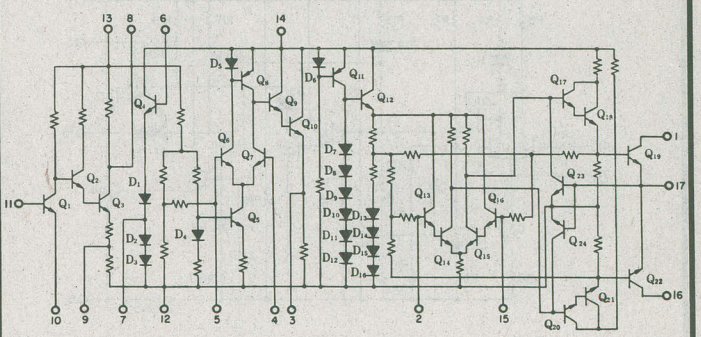
ECG1155 10-Pin SIP-HS See Fig. L85

AF PO, 5.8 W



ECG1156 16-Pin DIP-ET See Fig. L150

AF PO, 2 W



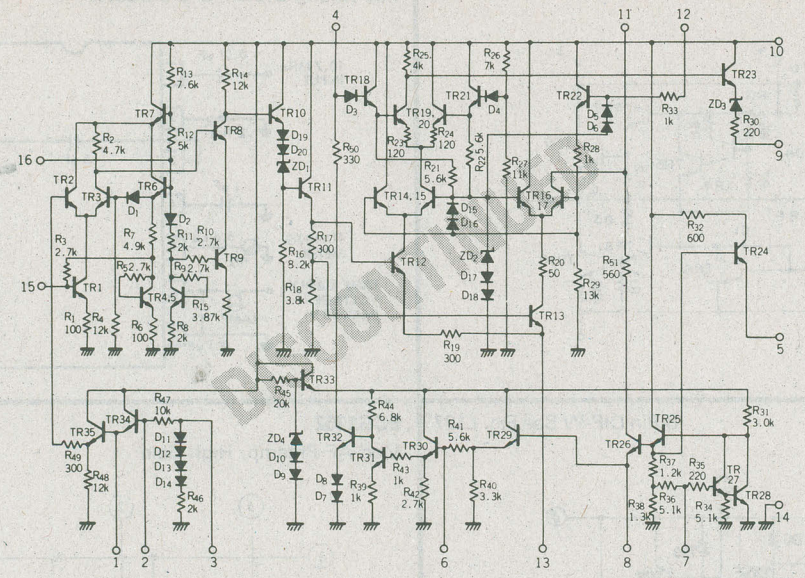
Package Outlines - See Page 1-297

N

Linear IC and Module Circuits (cont'd)

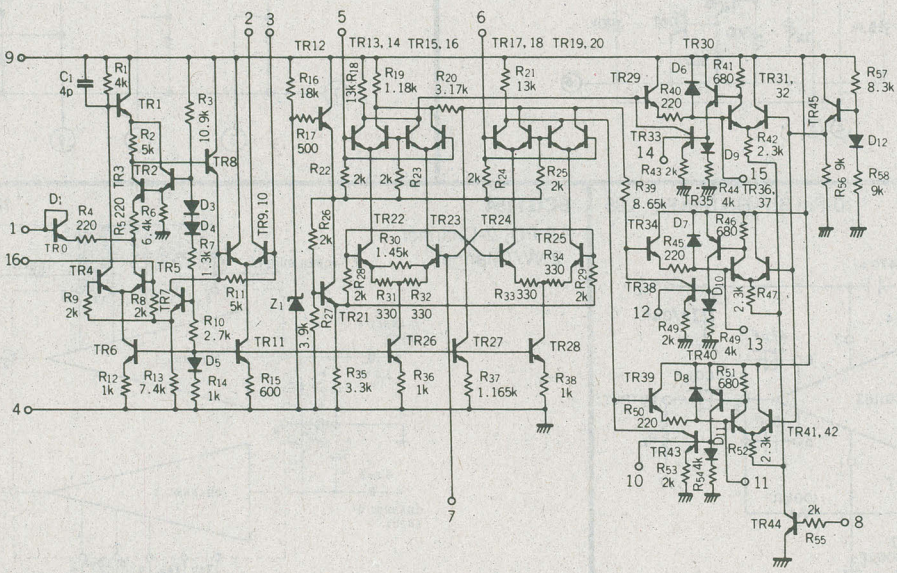
ECG1158 16-Pin DIP See Fig. L111

Chroma Processor



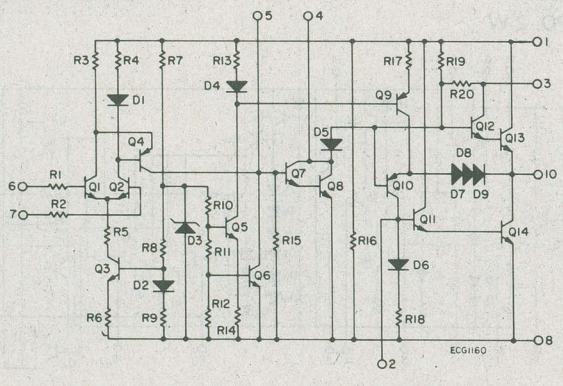
ECG1159 16-Pin DIP See Fig. L111

Color Demodulator



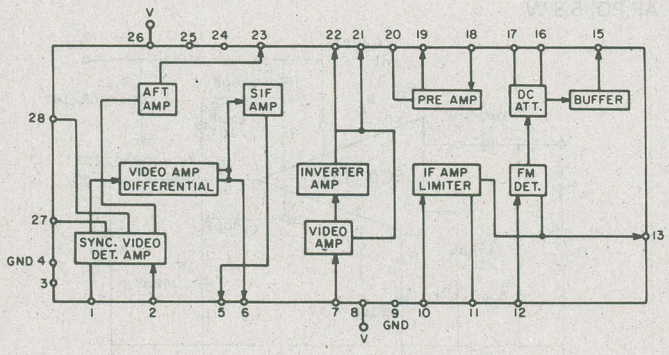
ECG1160 10-Pin SIP-HS See Fig. L90

AF PO, 5.2 W



ECG1161 28-Pin DIP See Fig. L124

Video and Sound IF Combination

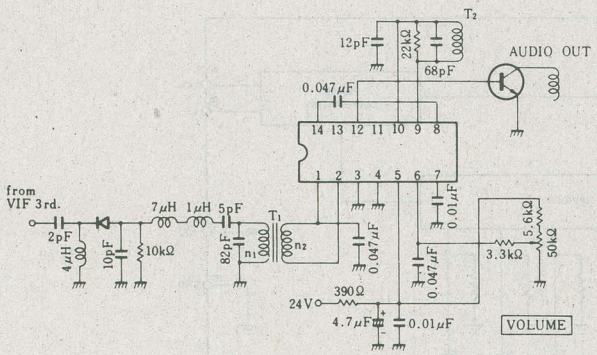


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

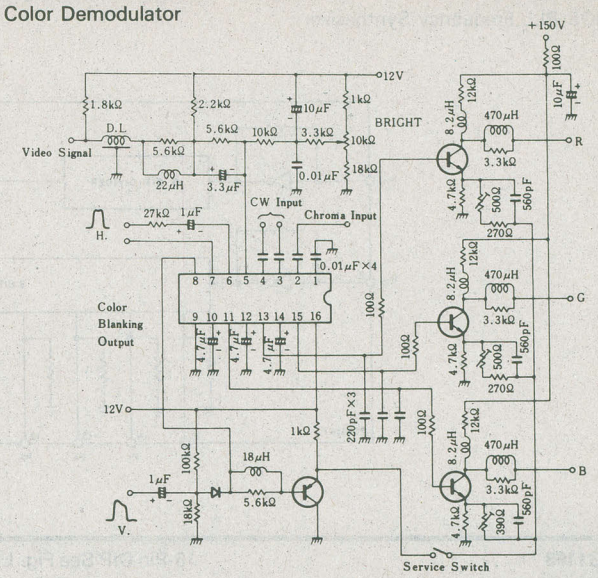
ECG1162 14-Pin DIP See Fig. L104

IF, Detector and Audio Preamp



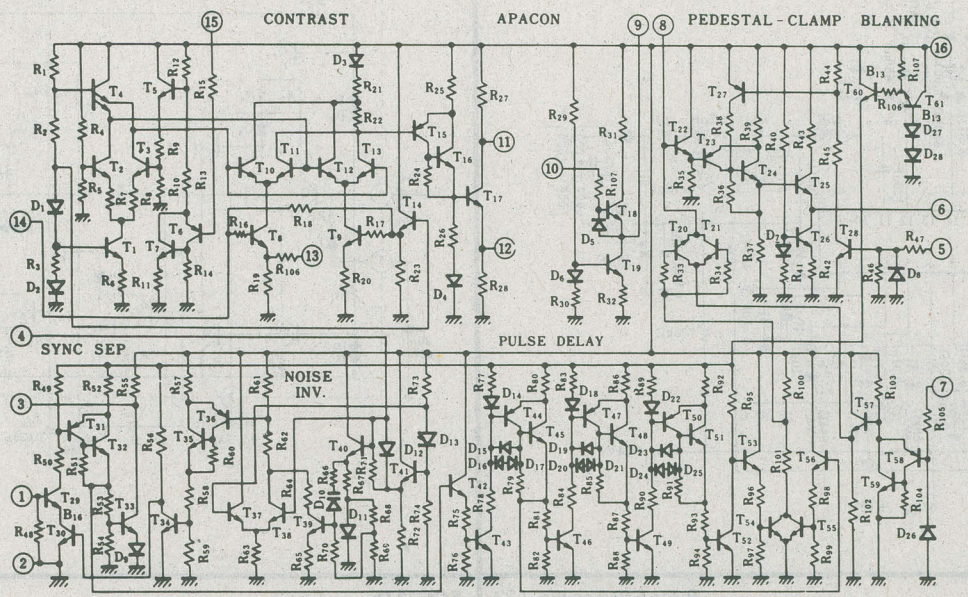
ECG1163 16-Pin DIP See Fig. L111

TV Color Demodulator



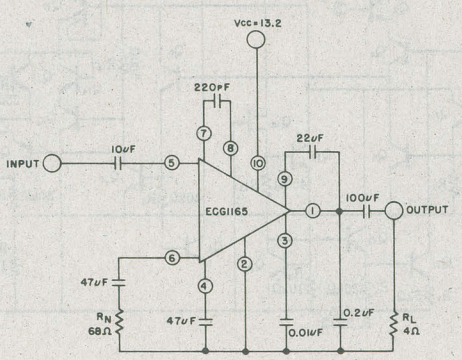
ECG1164 16-Pin DIP See Fig. L111

TV Video Sig Processing Circuit



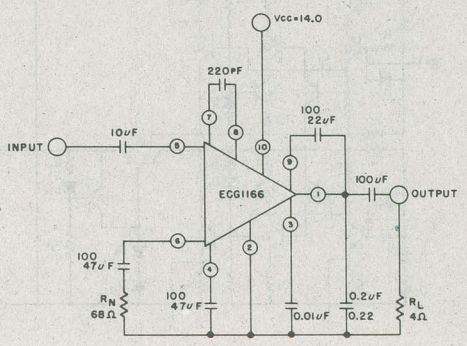
ECG1165 10-Pin SIP-HS See Fig. L87

Modulator/Audio Output, Stereo and CB, 4.5 W



ECG1166 10-Pin SIP-HS See Fig. L87

Modulator/Audio Output, Stereo and CB, 5.8 W



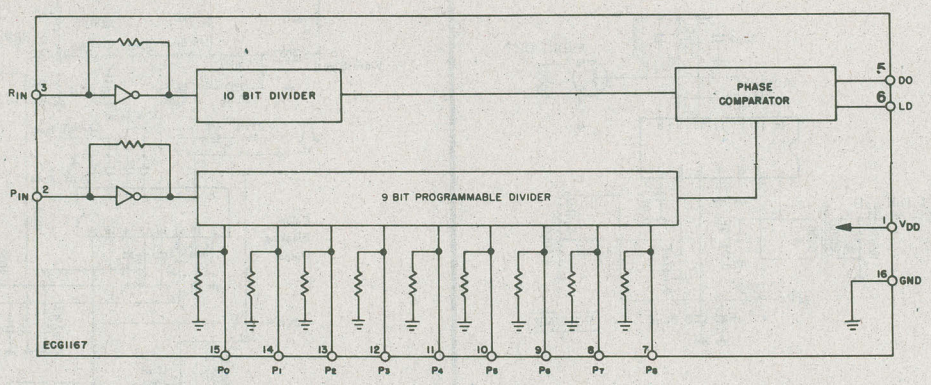
Package Outlines - See Page 1-297

N

Linear IC and Module Circuits (cont'd)

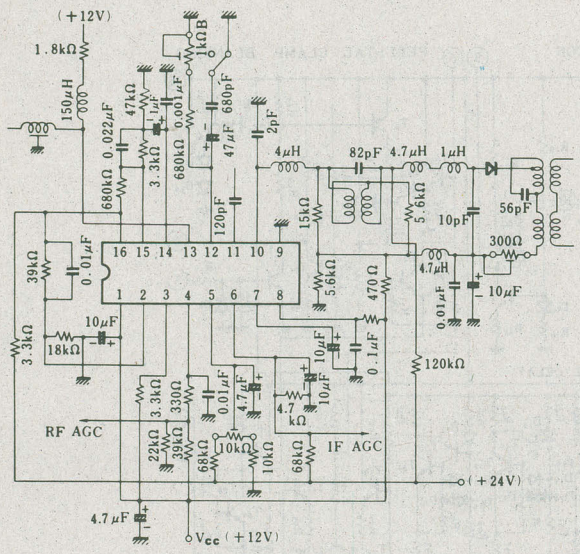
ECG1167 16-Pin DIP See Fig. L111

CMOS PLL Frequency Synthesizer



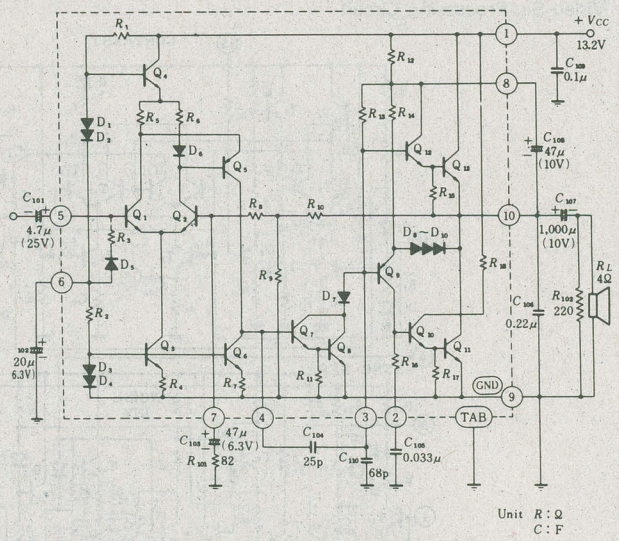
ECG1168 16-Pin DIP See Fig. L111

Video Processor



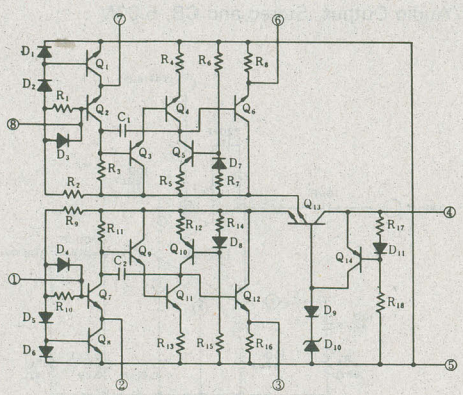
ECG1169 10-Pin SIP-HS See Fig. L83

Audio Output/Modulator



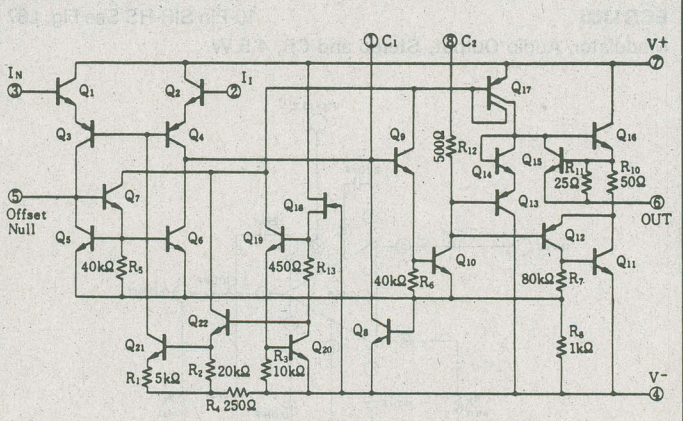
ECG1170 8-Pin SIP See Fig. L33

Audio Preamp (Dual)



ECG1171 8-Pin Can See Fig. L3

Op Amp

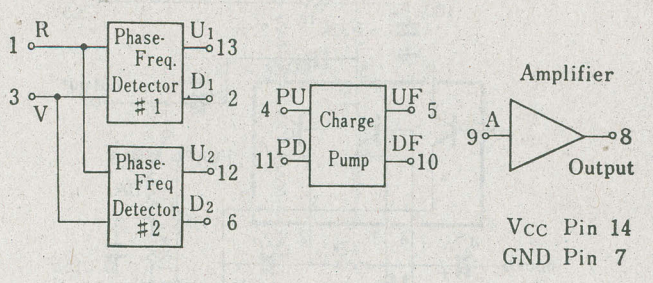


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

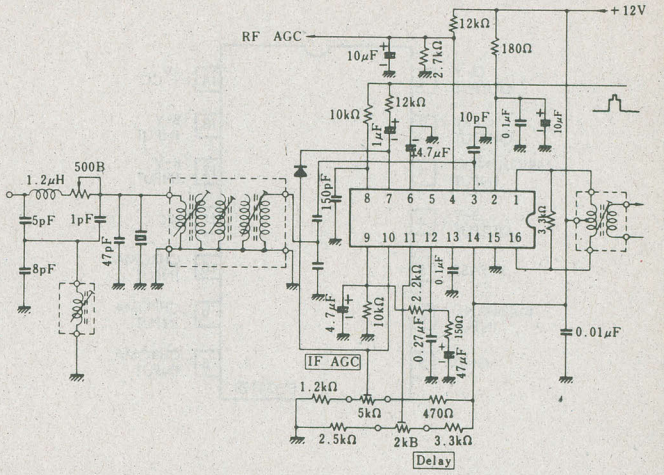
ECG1172 14-Pin DIP See Fig. L104

Phase Frequency Detector for PLL



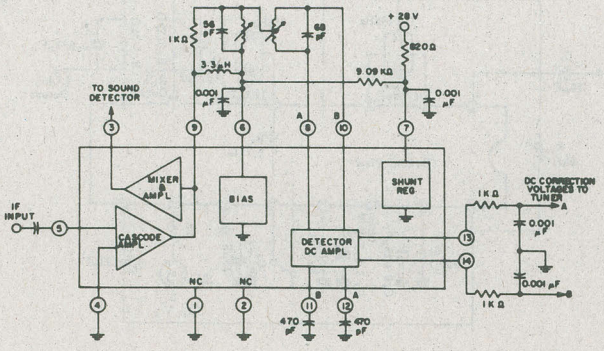
ECG1173 16-Pin DIP See Fig. L112

TV Video IF Amp and AGC



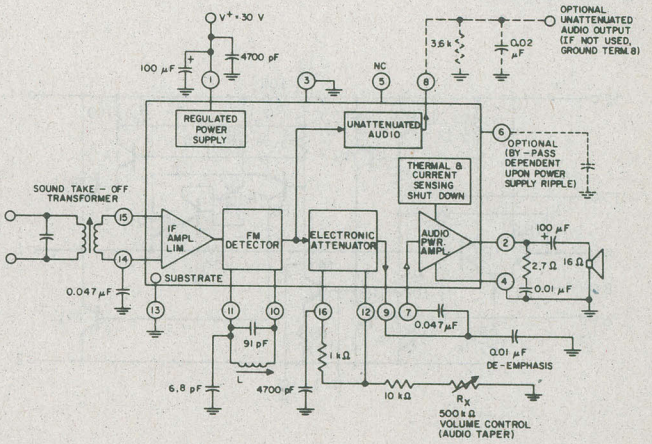
ECG1174 14-Pin DIP-Q See Fig. L107

TV Automatic Fine Tuning



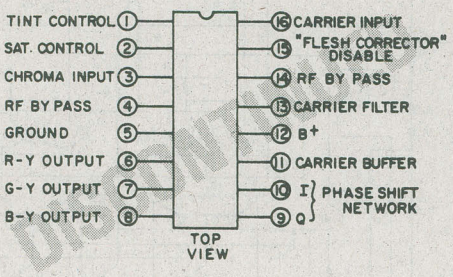
ECG1175 16-Pin DIP-HS See Fig. L158

TV Sound IF and AF Output Subsystem



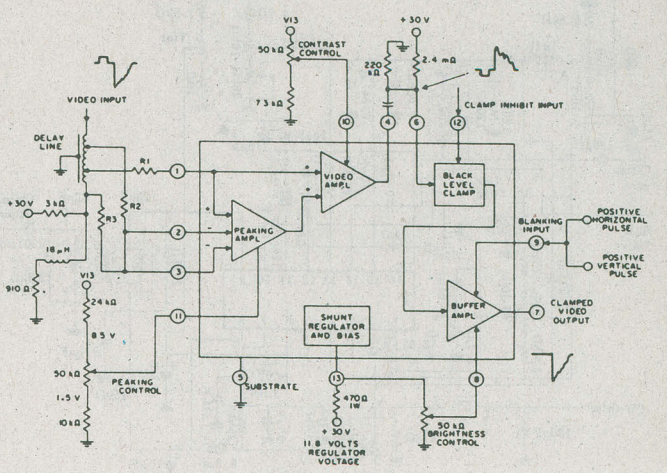
ECG1176 14-Pin DIP See Fig. L111

TV Chroma Demodulator



ECG1177 14-Pin DIP See Fig. L104

TV Luminance Processor



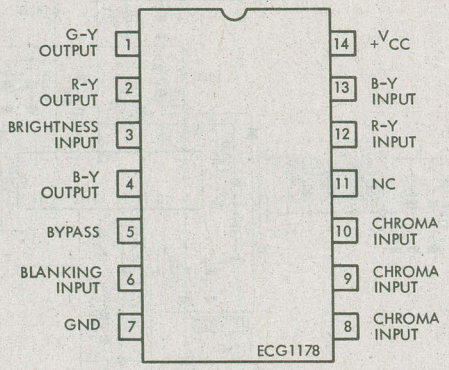
Package Outlines - See Page 1-297

N

Linear IC and Module Circuits (cont'd)

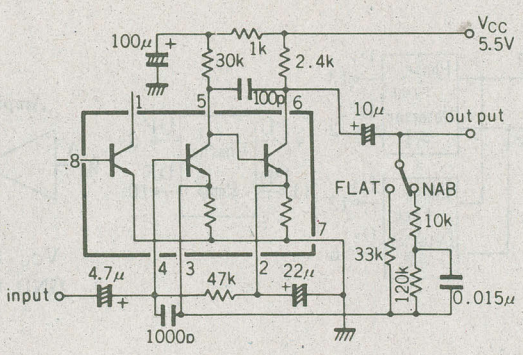
ECG1178 14-Pin DIP See Fig. L104

Chroma Demodulator



ECG1179 8-Pin DIP See Fig. L97

Audio Preamp

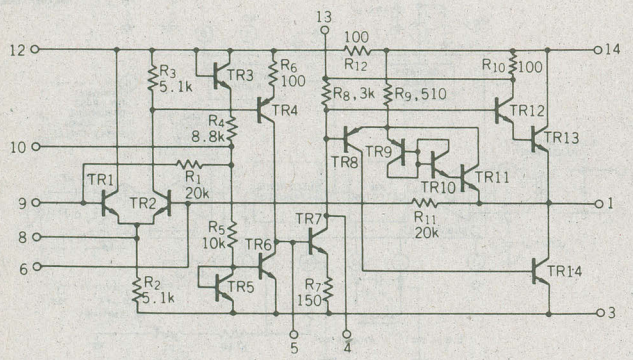


ECG1180 14-Pin DIP-ET See Fig. L144

Audio Pwr Output, 1.5 W

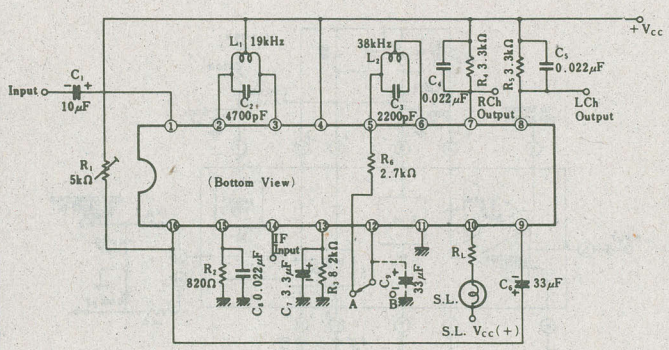
ECG1228

AF Pwr Amp, 2.1 W



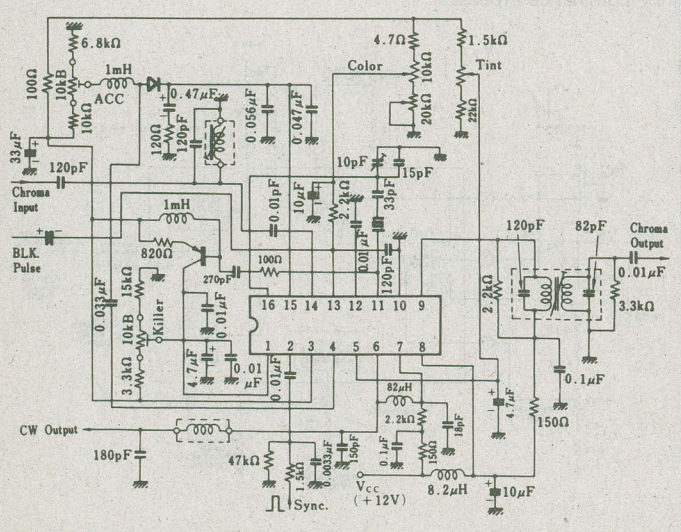
ECG1181 16-Pin DIP See Fig. L111

MPX Decoder



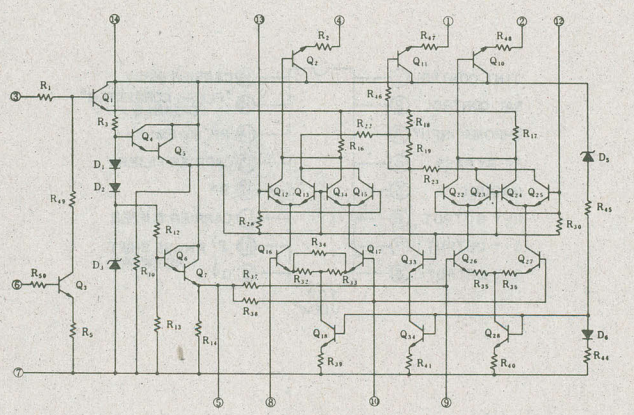
ECG1182 16-Pin DIP See Fig. L111

Chroma Sig Processor



ECG1183 14-Pin DIP See Fig. L104

Chroma Demodulator

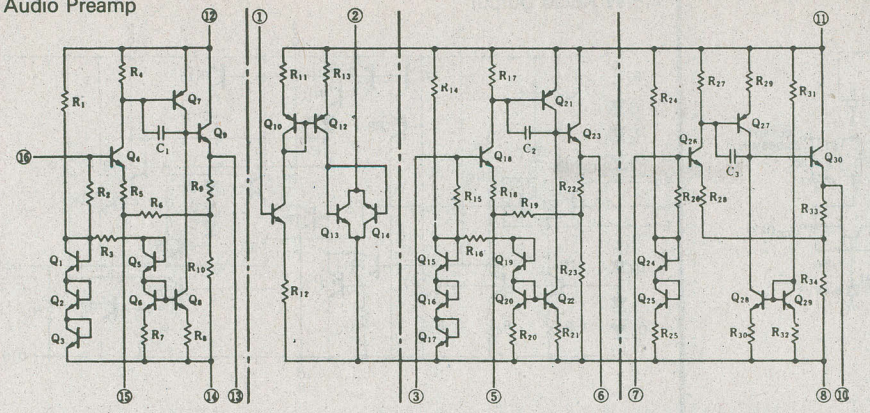


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

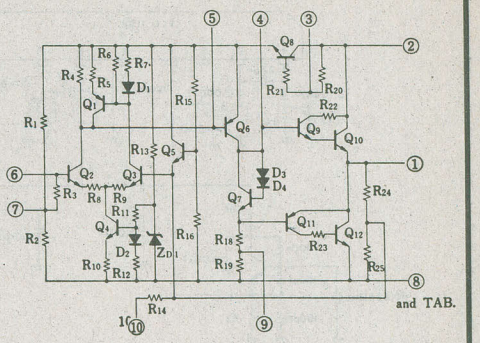
ECG1184 16-Pin DIP See Fig. L111

Audio Preamp



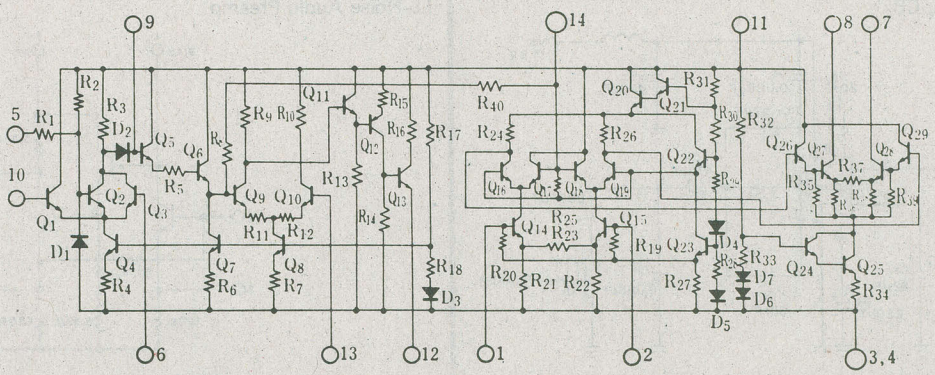
ECG1185 10-Pin SIP-HS See Fig. L90

3.5 W Audio Output



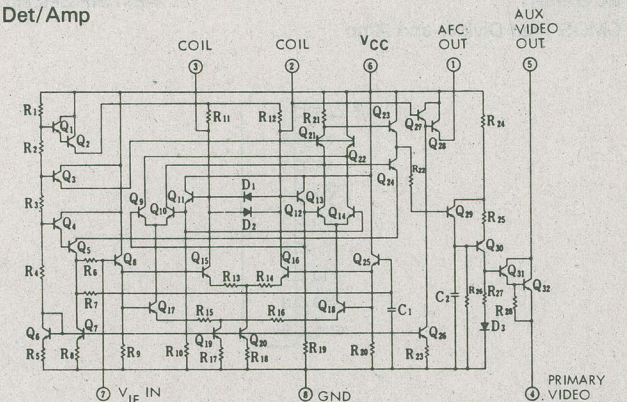
ECG1186 14-Pin DIP See Fig. L104

Vid IF and Keyed AGC



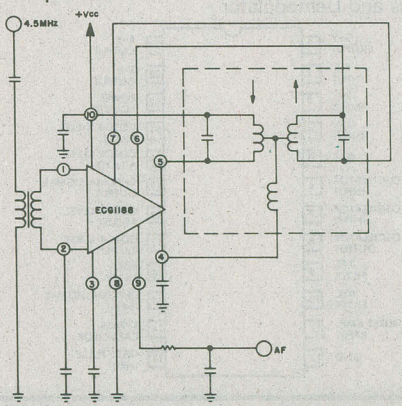
ECG1187 8-Pin DIP See Fig. L97

Vid Det/Amp



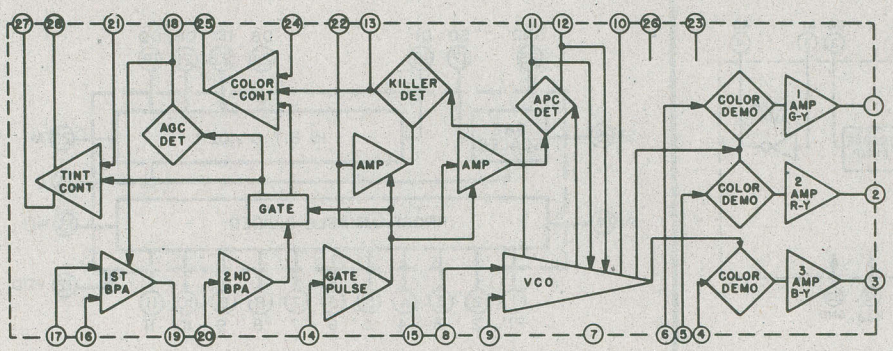
ECG1188 10-Pin Can See Fig. L7

TV Sound IF Amp and Disc



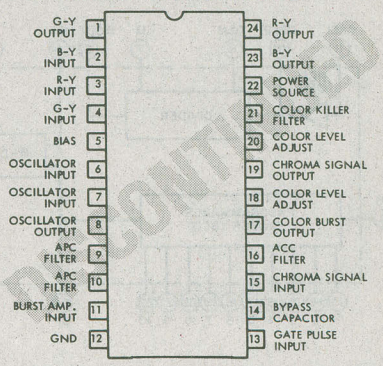
ECG1189 28-Pin DIP See Fig. L124

TV Chroma Processor



ECG1191 24-Pin DIP See Fig. L122

Chroma Processor and Demodulator



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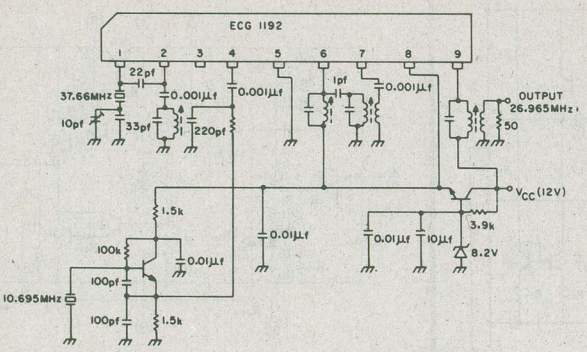
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Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

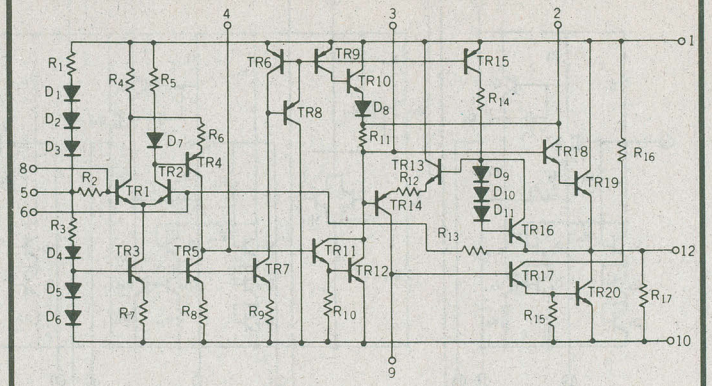
ECG1192 9-Pin SIP See Fig. L39

CB Voltage Controlled Oscillator and Mixer



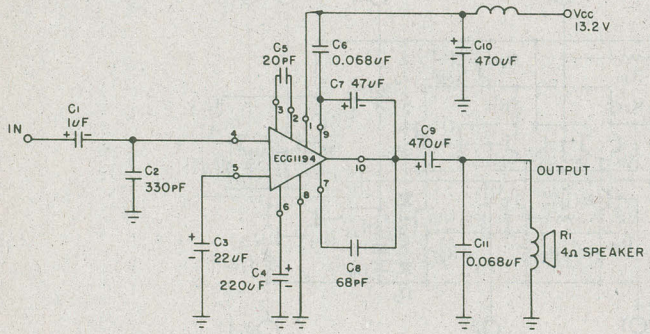
ECG1193 12-Pin SIP-HS See Fig. L91

4.5 W Audio Output



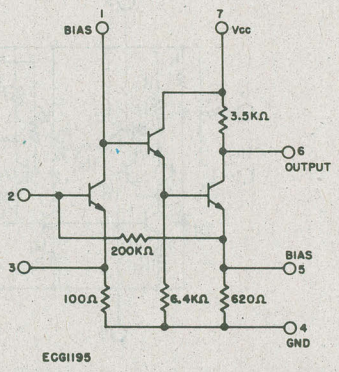
ECG1194 10-Pin SIP-HS See Fig. L89

5.8 W Audio Output, CB



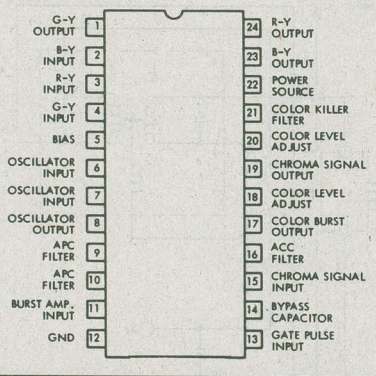
ECG1195 7-Pin SIP See Fig. L25

Lo-Noise Audio Preamp



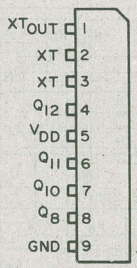
ECG1196 24-Pin DIP See Fig. L122

Chroma Process and Demodulator



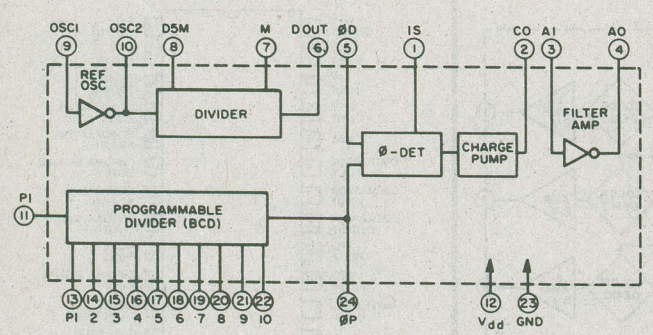
ECG1197 9-Pin SIP See Fig. L39

CMOS Freq Divider and Amp



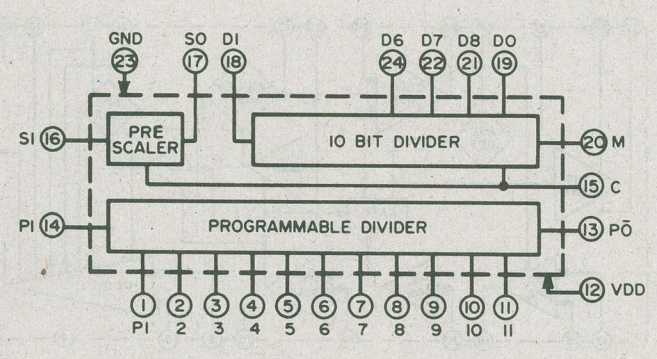
ECG1198 24-Pin DIP See Fig. L122

CMOS Frequency Divider



ECG1199 24-Pin DIP See Fig. L122

CMOS Frequency Divider

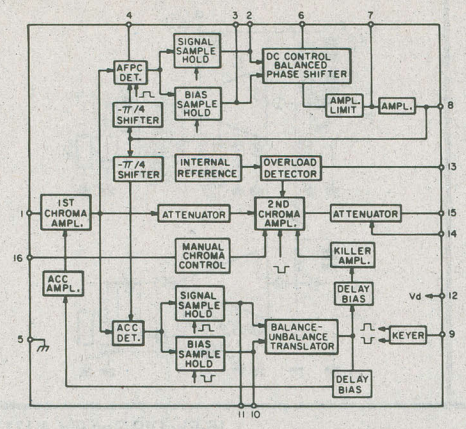


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

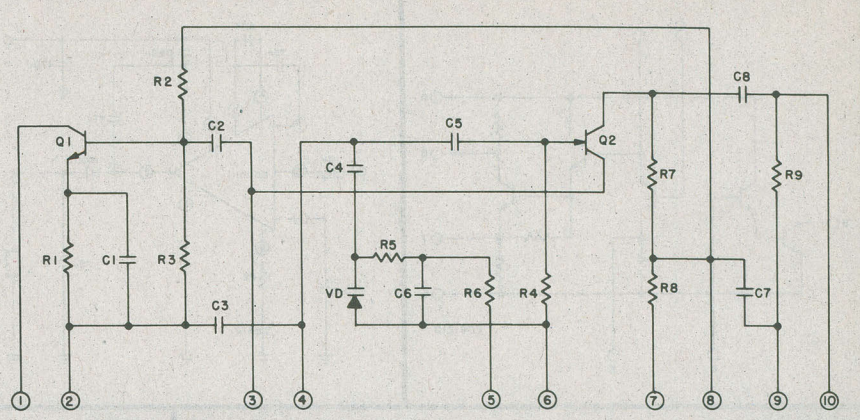
ECG1200 16-Pin DIP See Fig. L112

TV Chroma Processor



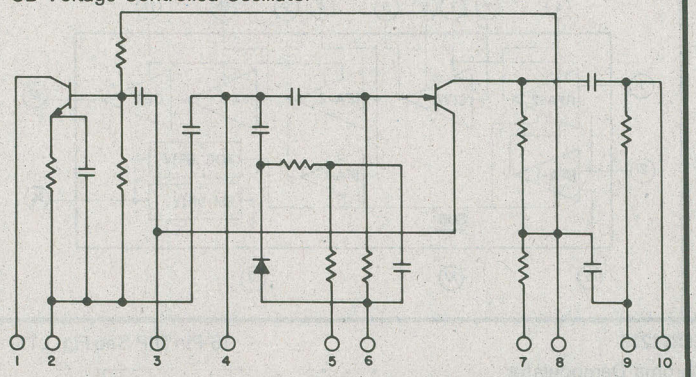
ECG1201, ECG1204 10-Pin SIP See Fig. L43

CB Voltage Controlled Oscillator



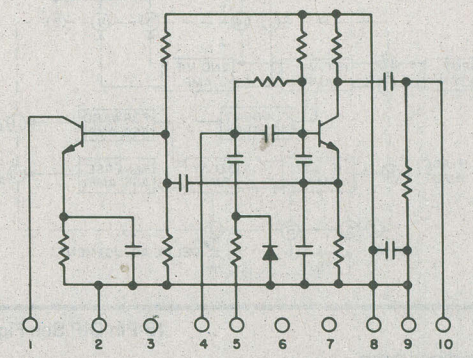
ECG1202 10-Pin SIP See Fig. L43

CB Voltage Controlled Oscillator



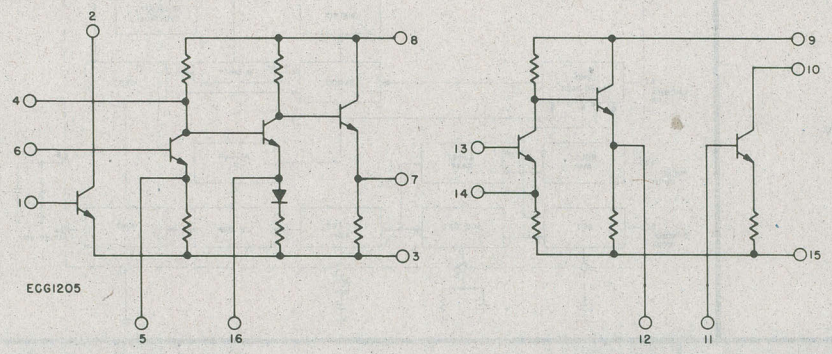
ECG1203 10-Pin SIP See Fig. L43

CB Voltage Controlled Oscillator



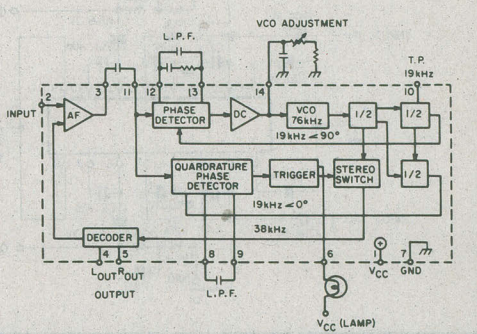
ECG1205 16-Pin DIP See Fig. L112

Tape Recorder Preamp



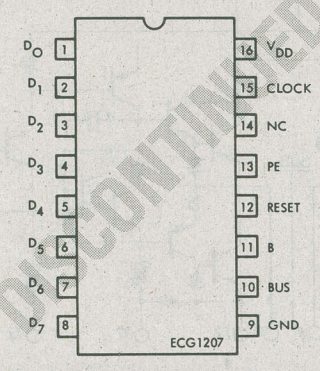
ECG1206 14-Pin DIP See Fig. L105

PLL Stereo Decoder



ECG1207 16-Pin DIP See Fig. L112

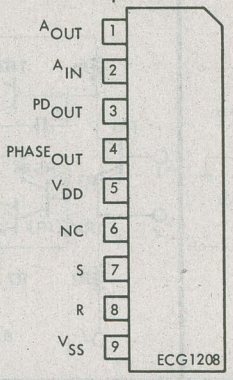
CMOS Programmable Divider



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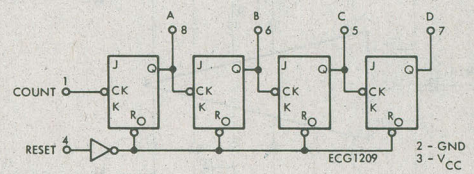
ECG1208 9-Pin SIP See Fig. L39

CMOS Phase Comparator



ECG1209 8-Pin DIP See Fig. L97

4-Bit Binary Counter



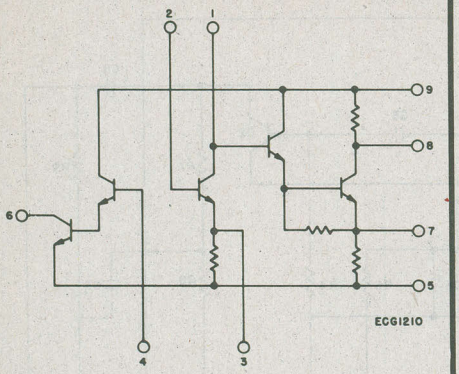
Package Outlines - See Page 1-297

N

Linear IC and Module Circuits (cont'd)

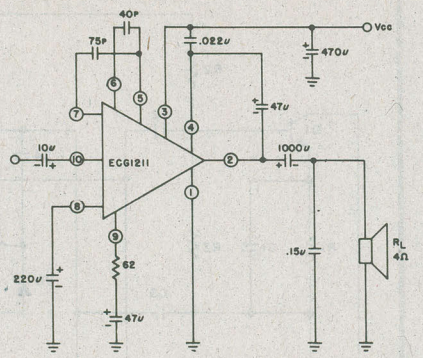
ECG1210 9-Pin SIP See Fig. L40

Audio Preamp



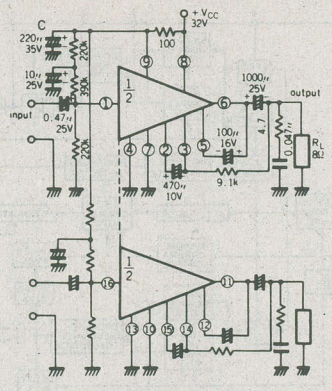
ECG1211 10-Pin SIP-HS See Fig. L88

5.5 W Audio Out



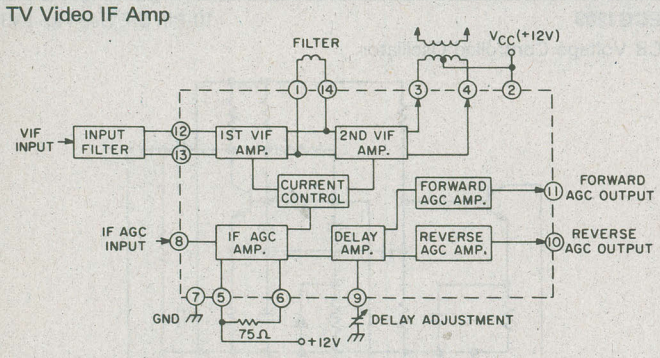
ECG1212 16-Pin SIP-M See Fig. L71

Dual Channel AF Pwr Amp, 9.5 W/Channel



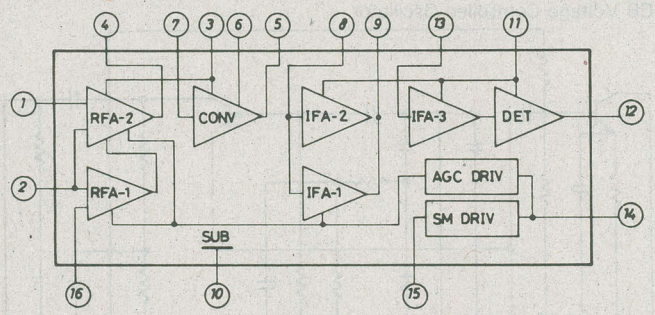
ECG1213 14-Pin DIP See Fig. L105

TV Video IF Amp



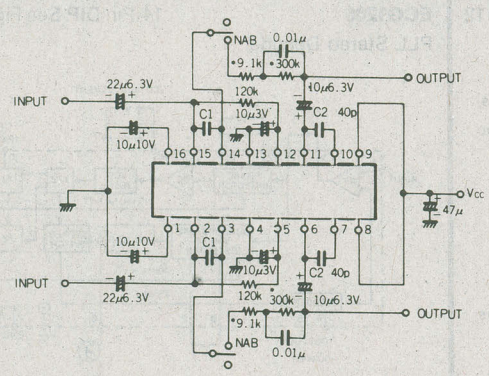
ECG1214 16-Pin DIP See Fig. L111

AM Tuner, RF Conv, IF, Det, AGC



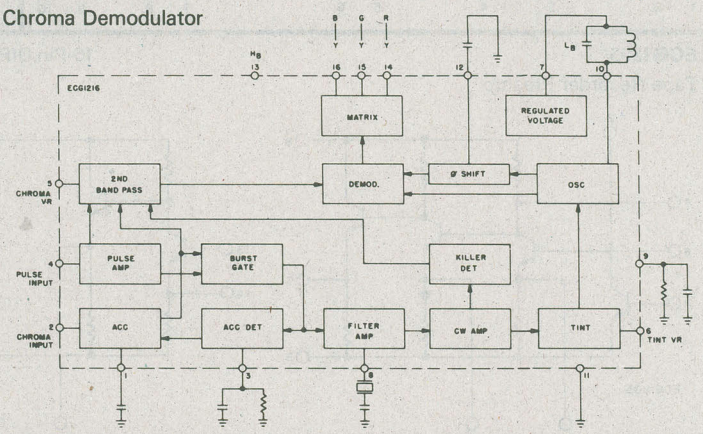
ECG1215 16-Pin DIP See Fig. L111

Stereo Equalizer Amp



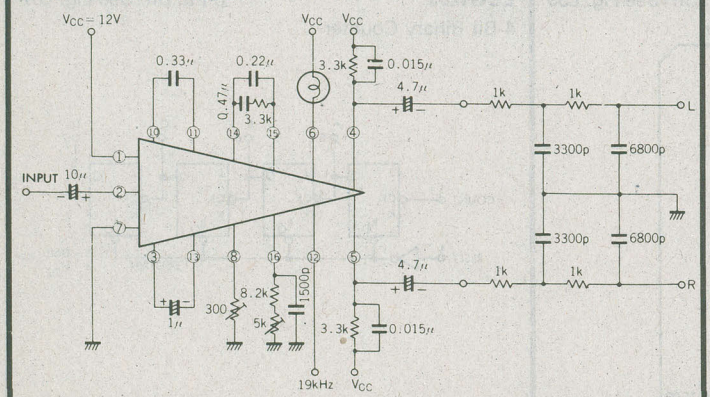
ECG1216 16-Pin DIP See Fig. L111

Chroma Demodulator



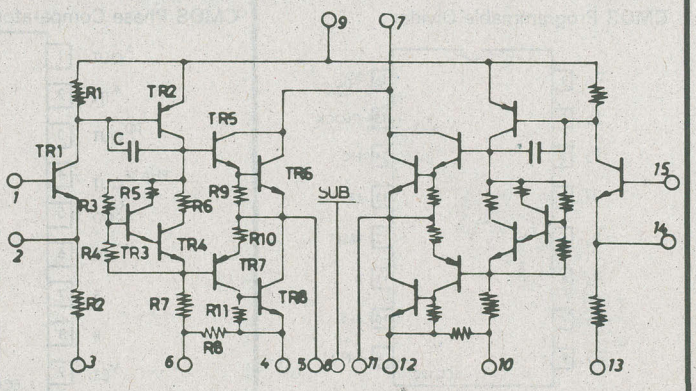
ECG1217 16-Pin DIP See Fig. L111

PLL FM Stereo Decoder



ECG1218 15-Pin SIP-M See Fig. L69

Dual Channel AF Pwr Amp, 7 W/Channel

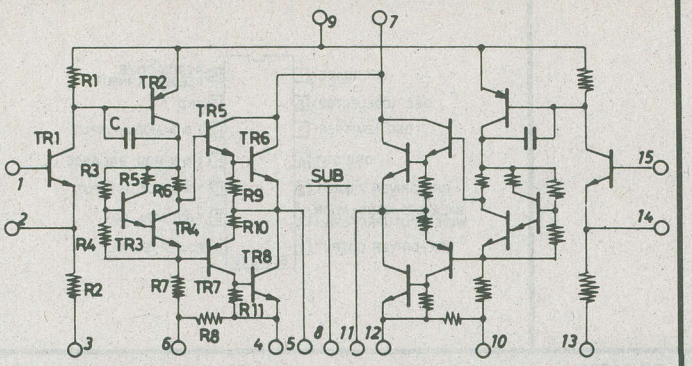


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

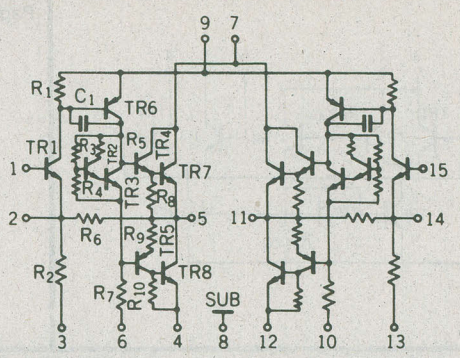
ECG1219 15-Pin SIP-M See Fig. L70

Dual Channel AF Pwr Amp, 15 W/Channel



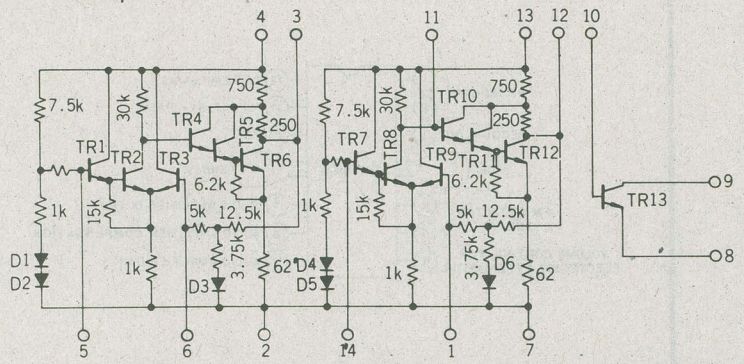
ECG1220 15-Pin SIP-M See Fig. L69

Mod Dual AF PO 6 W/Channel, V_{CC} = 24 V, R_L = 8 Ω



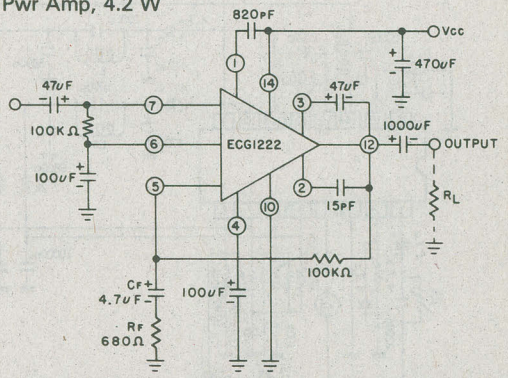
ECG1221 14-Pin DIP See Fig. L104

Stereo Preamp



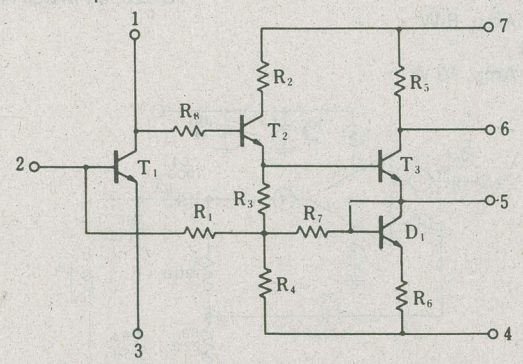
ECG1222 14-Pin DIP-W See Fig. L133

AF Pwr Amp, 4.2 W



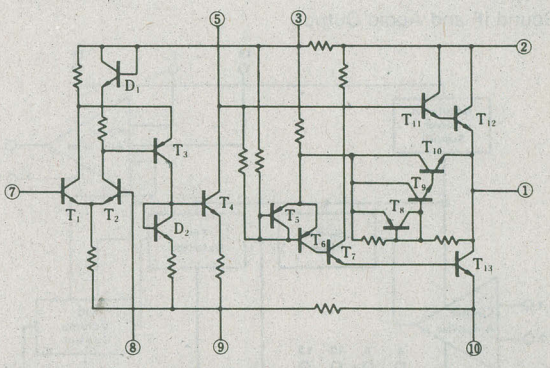
ECG1223 7-Pin SIP See Fig. L27

Lo-Noise Preamp



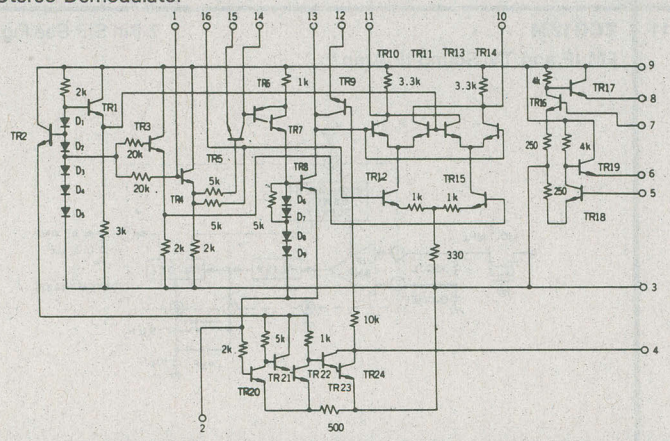
ECG1224 10-Pin Can See Fig. L8

AF Pwr Amp, 1.55 W



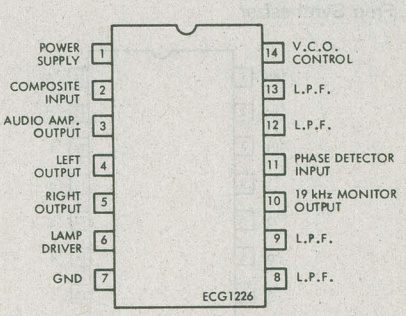
ECG1225 16-Pin DIP See Fig. L111

FM Stereo Demodulator



ECG1226 14-Pin DIP See Fig. L104

FM Stereo Multiplex Demodulator



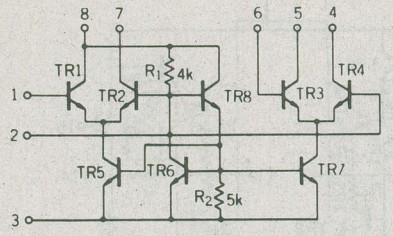
Package Outlines - See Page 1-297

N

Linear IC and Module Circuits (cont'd)

ECG1227 8-Pin DIP See Fig. L97

FM IF Amp

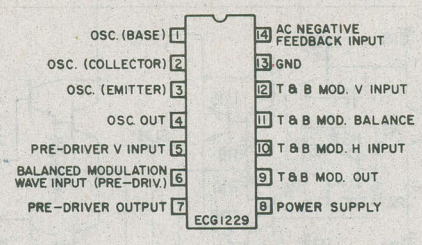


ECG1228

See ECG1180
Page 1-204

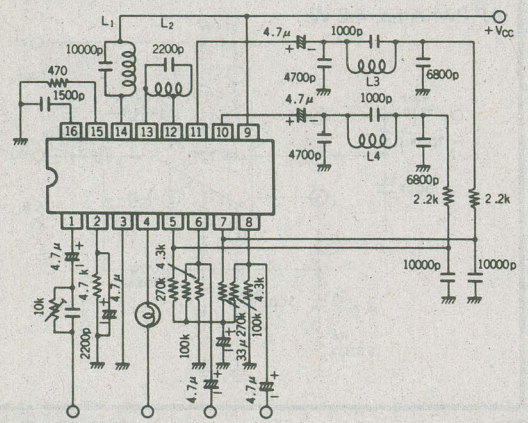
ECG1229 14-Pin DIP See Fig. L104

TV Vert Defl and Pincushion Correction



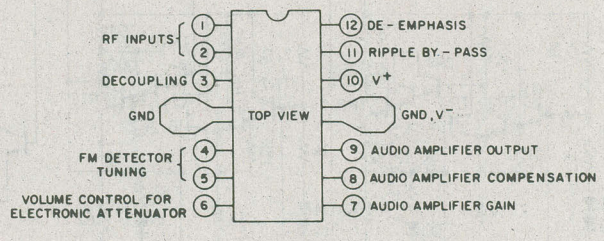
ECG1230 16-Pin DIP See Fig. L111

FM Stereo Multiplex Demodulator



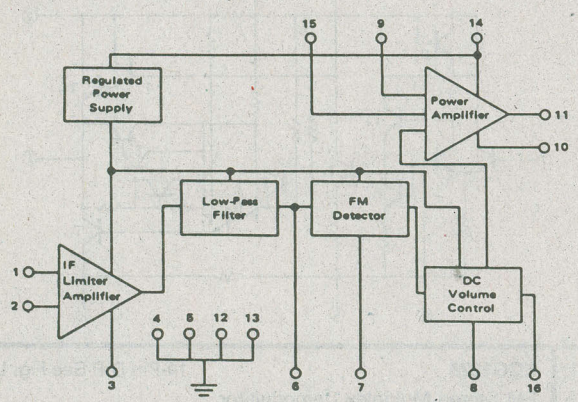
ECG1231 12-Pin DIP-QW See Fig. L131

TV Sound IF and Audio Output



ECG1231A 16-Pin DIP See Fig. L111

TV Sound IF and Audio Output

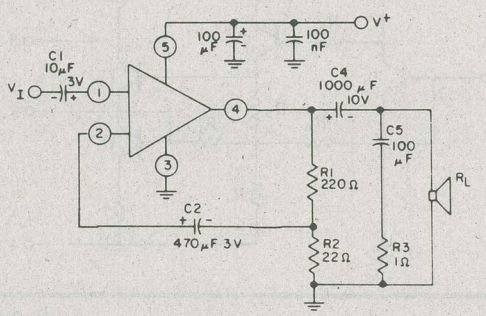


ECG1232 TO-220, 5-Pin See Fig. L19

AF Pwr Amp, 8 W

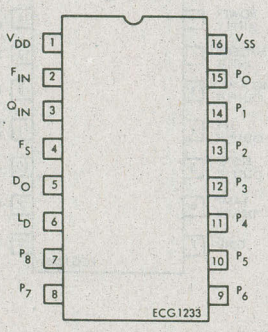
ECG1288

AF Pwr Amp, 10 W



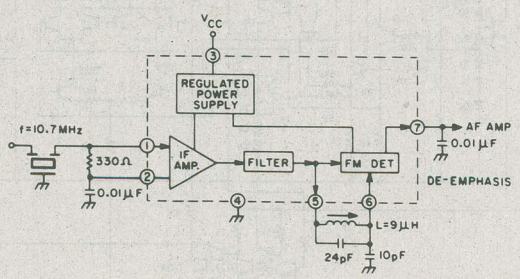
ECG1233 16-Pin DIP See Fig. L111

CB PLL Freq Synthesizer



ECG1234 7-Pin SIP See Fig. L24

FM IF and TV Sound IF Amp

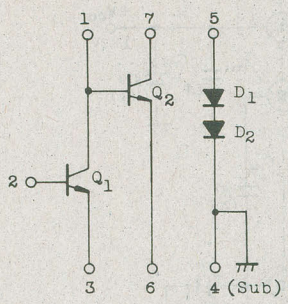


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

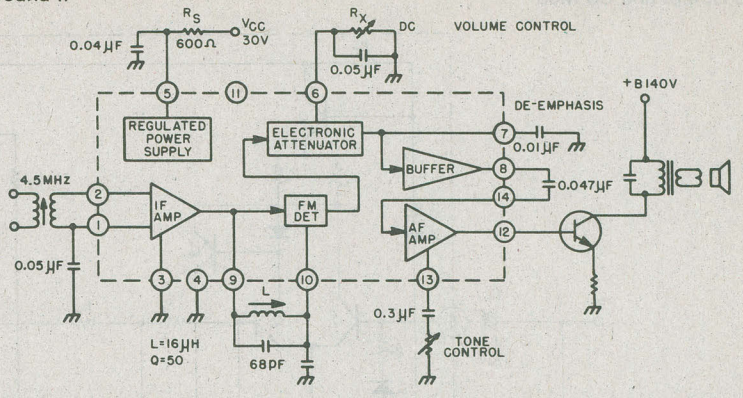
ECG1235 7-Pin SIP See Fig. L24

Squelch Amplifier



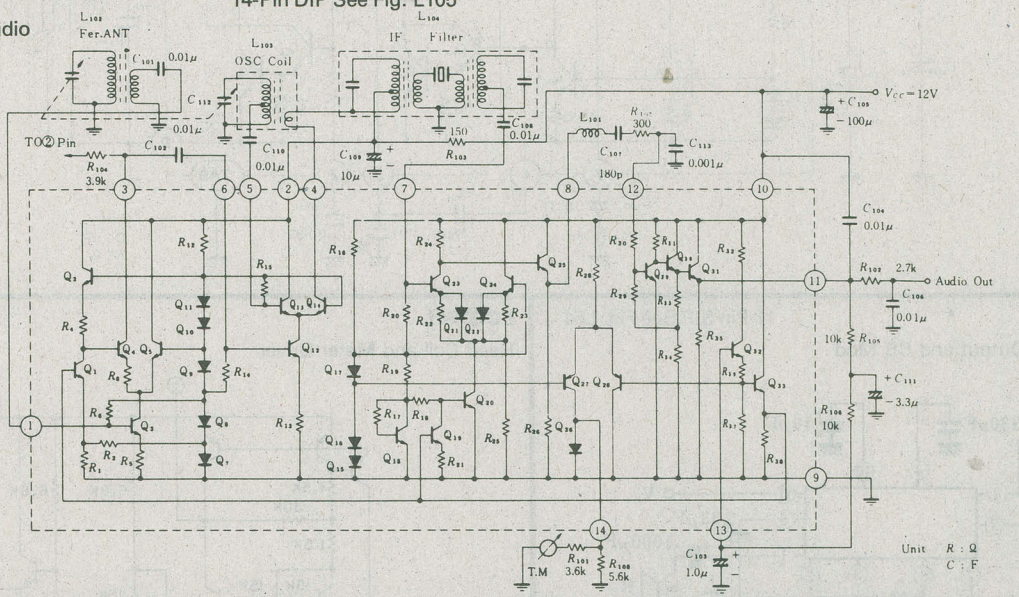
ECG1236 14-Pin DIP See Fig. L104

TV/FM Sound IF



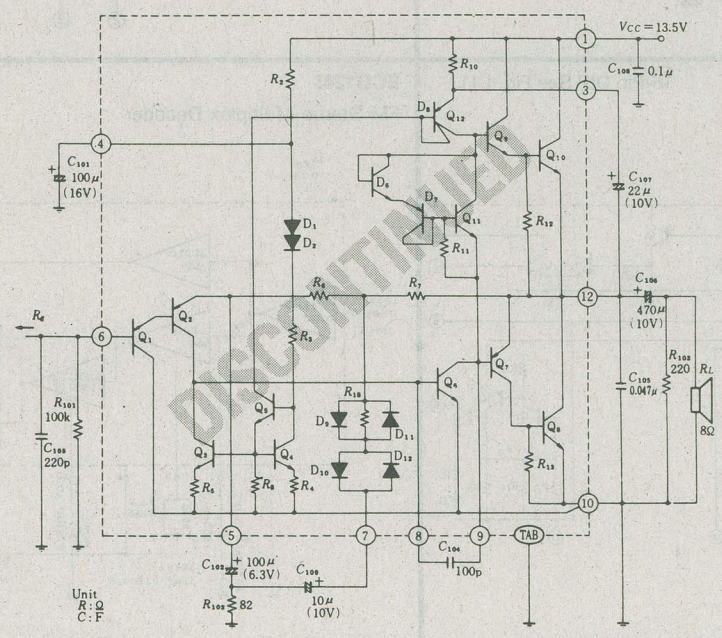
ECG1237 14-Pin DIP See Fig. L105

AM Radio without Audio



ECG1238 12-Pin DIP-W See Fig. L129

2-Watt Audio Power Amp, V_{CC} = 13.5 V, R_L = 8 Ω

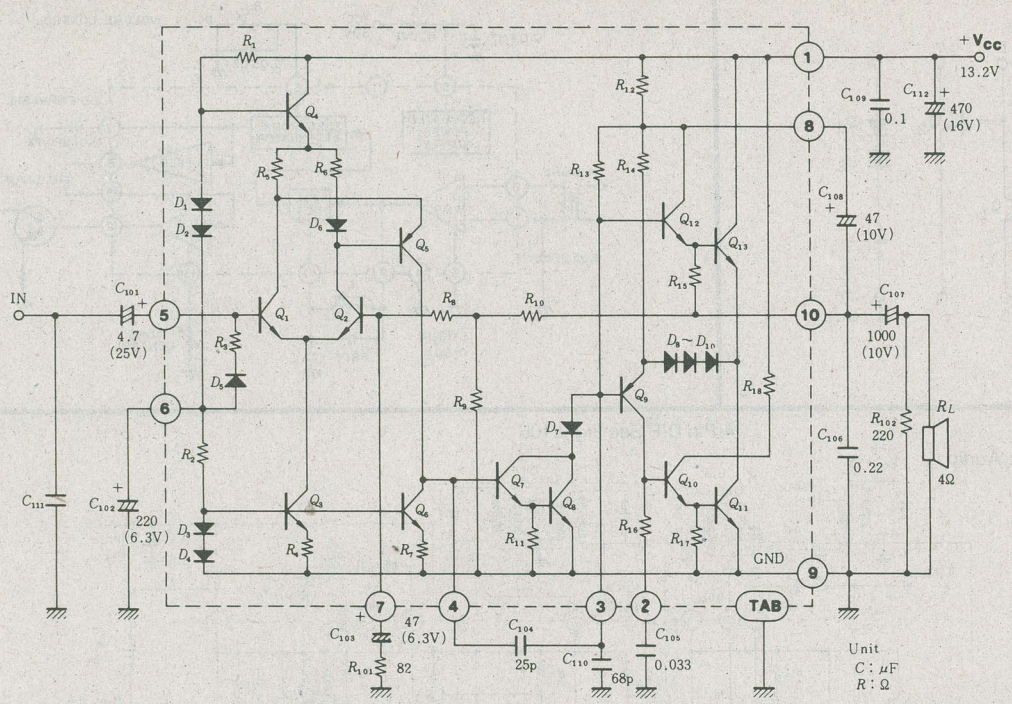


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

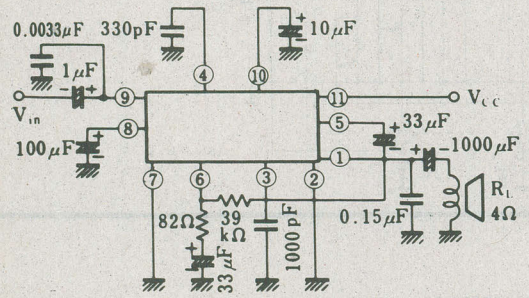
ECG1239 10-Pin SIP-HS See Fig. L83

Audio Output and CB Mod



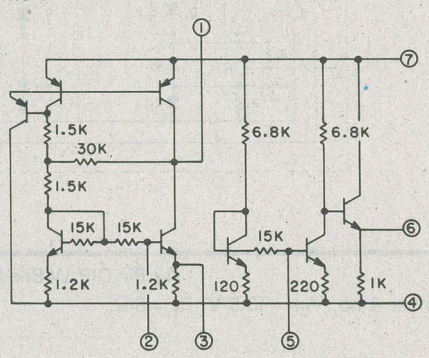
ECG1240 11-Pin SIP See Fig. L54

5.5 W Audio Output and CB Mod



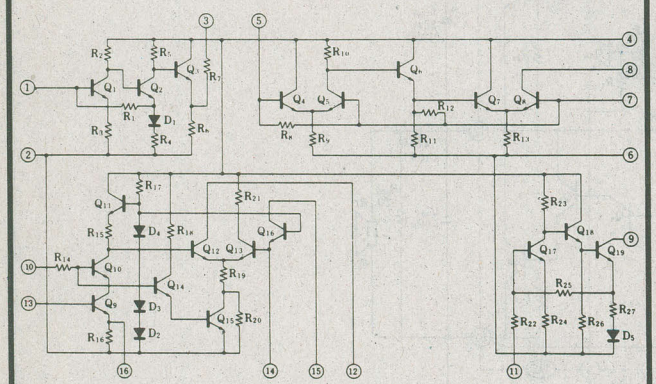
ECG1241 7-Pin SIP See Fig. L26

Head Coil and Meter Driver



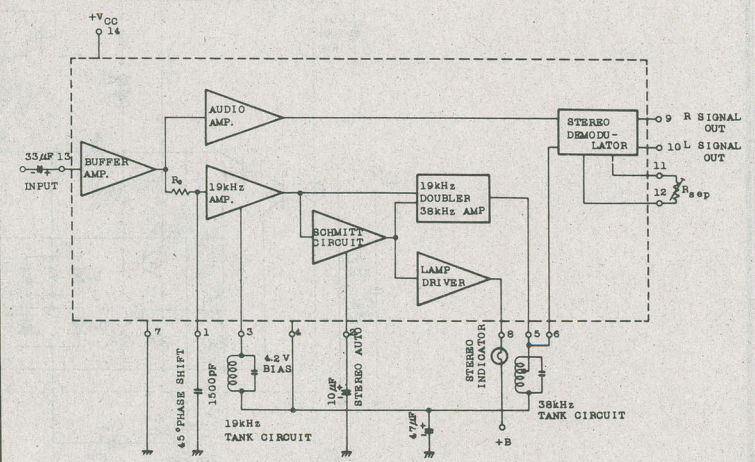
ECG1242 16-Pin DIP See Fig. L111

AM/FM IF and AM Converter



ECG1243 14-Pin DIP See Fig. L105

FM Stereo Multiplex Decoder

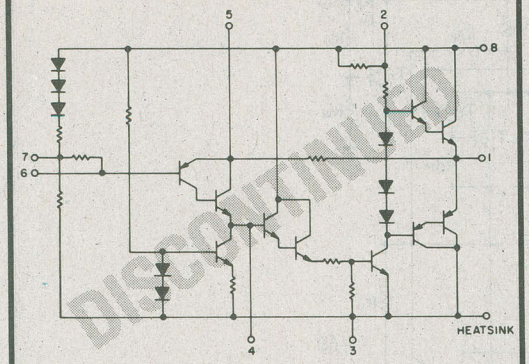


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

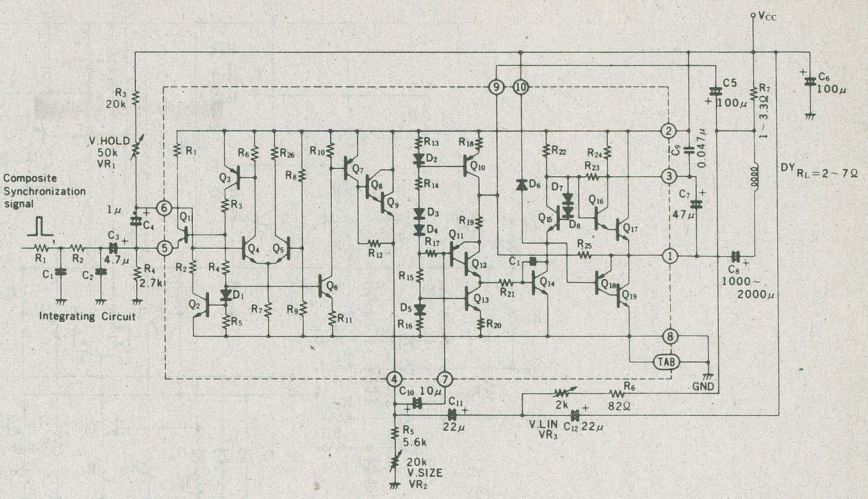
ECG1244 8-Pin SIP-HS See Fig. L76

Audio Output



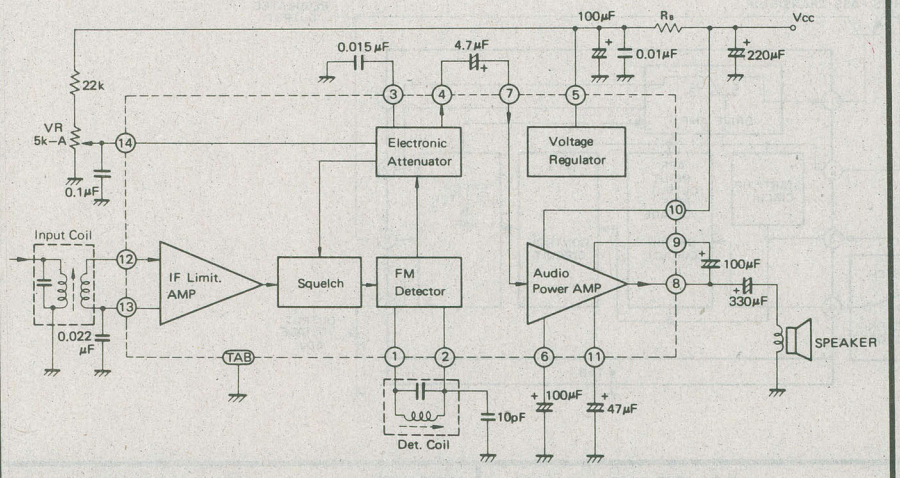
ECG1245 10-Pin SIP-HS See Fig. L89 (Alternate Fig. L90)

Vertical Deflection



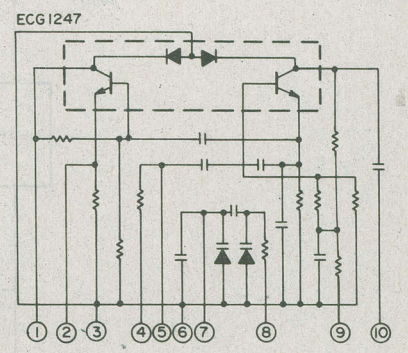
ECG1246 14-Pin DIP-ET See Fig. L145

TV Sound IF, Det AF PO



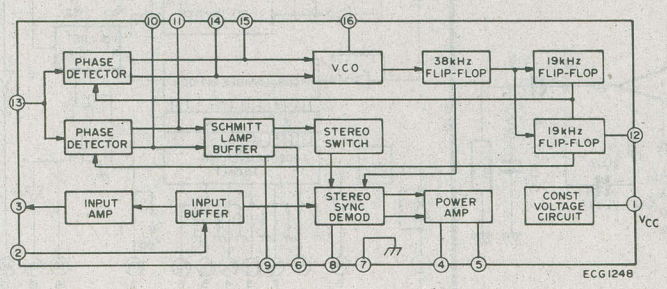
ECG1247 10-Pin SIP See Fig. L43

Voltage Controlled Osc



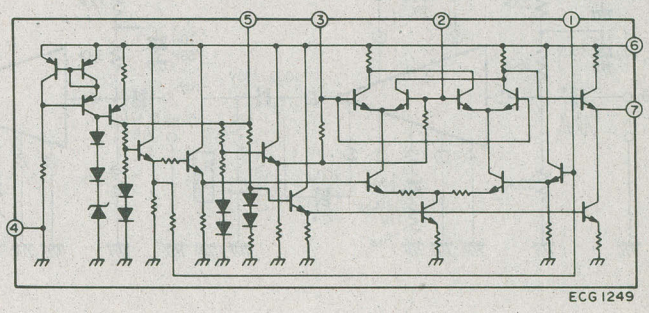
ECG1248 16-Pin DIP See Fig. L112

FM Stereo Demod



ECG1249 7-Pin SIP See Fig. L27

Balanced Modulator

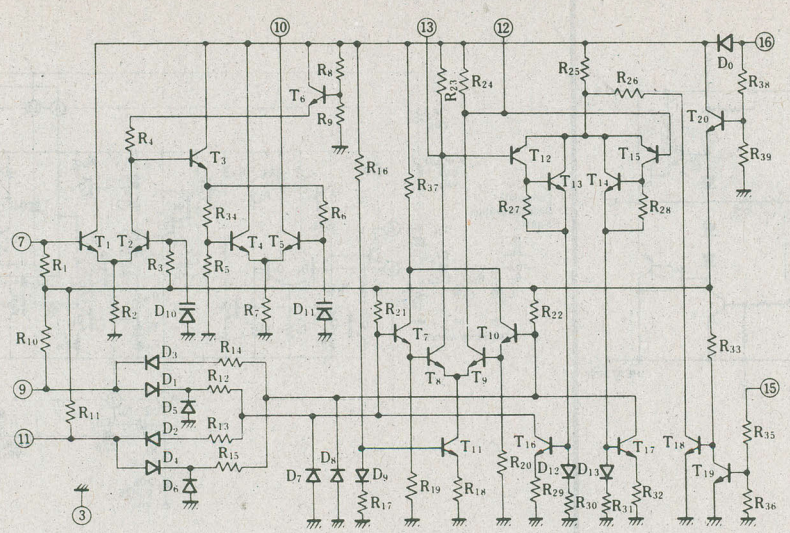


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

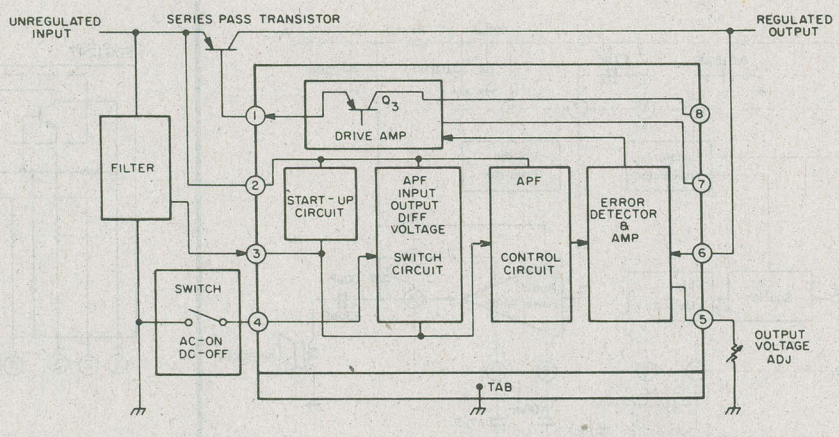
ECG1250 16-Pin DIP See Fig. L111

TV AFT



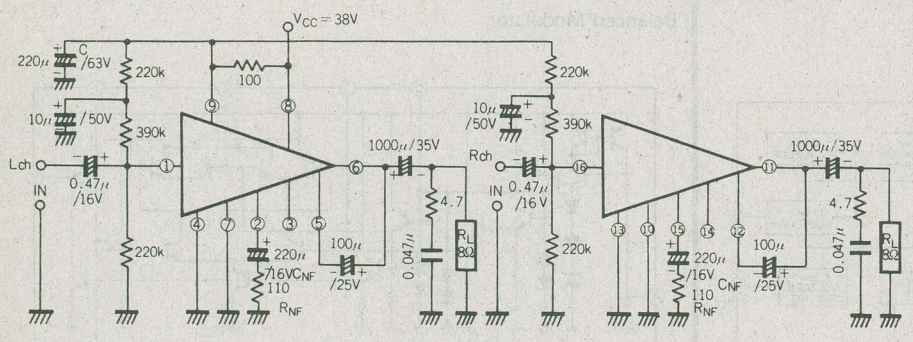
ECG1251 8-Pin DIP-ET See Fig. L137

Voltage Regulator



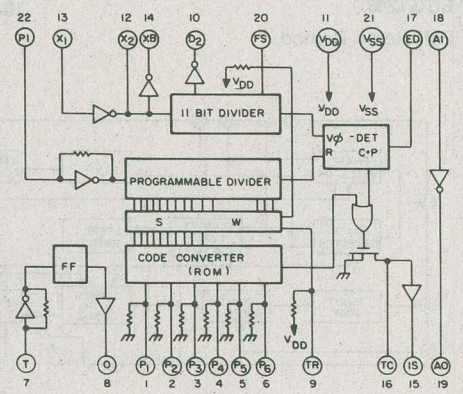
ECG1252 16-Pin SIP-M See Fig. L71

Dual Channel AF PO, 15 W/Channel



ECG1253 22-Pin DIP See Fig. L121

CMOS-PLL Freq Synthesizer, CB

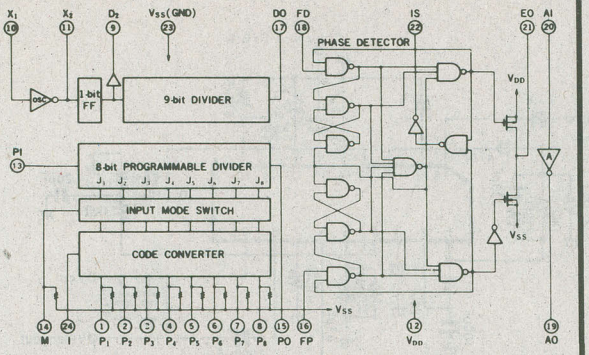


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

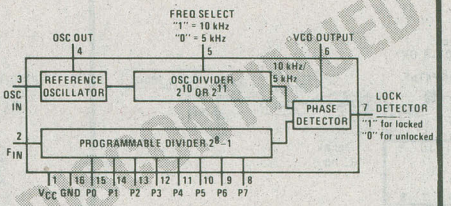
ECG1254 24-Pin DIP See Fig. L122

CMOS-PLL Freq Synthesizer, CB



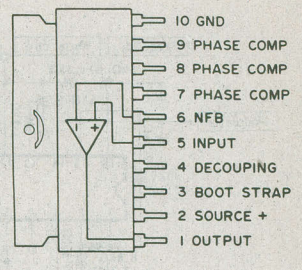
ECG1255 16-Pin DIP See Fig. L112

CMOS-PLL Freq Synthesizer, CB



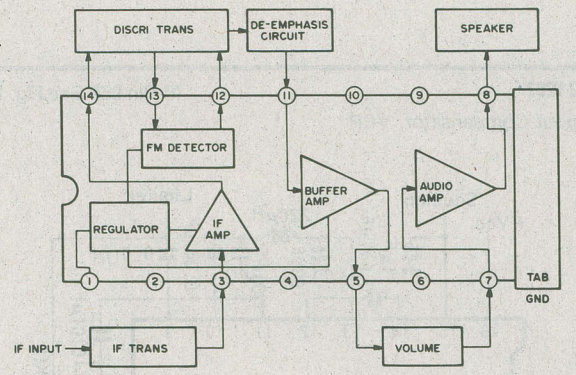
ECG1256 10-Pin SIP-HS See Fig. L84

AF PO, 5.8 W



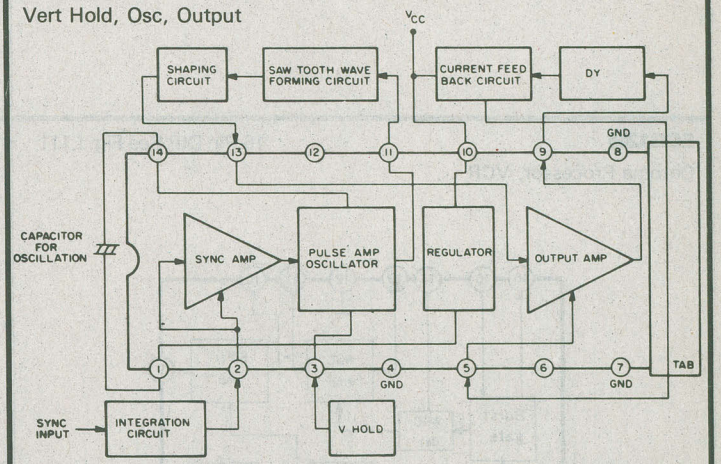
ECG1257 14-Pin DIP-ET See Fig. L145

FM IF, Det, AF PO



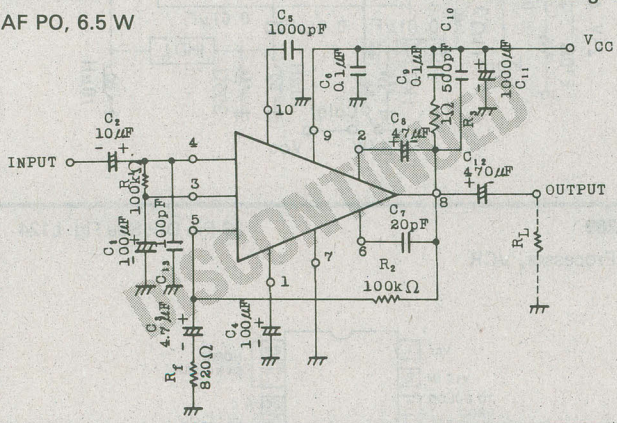
ECG1258 14-Pin DIP-ET See Fig. L148

Vert Hold, Osc, Output



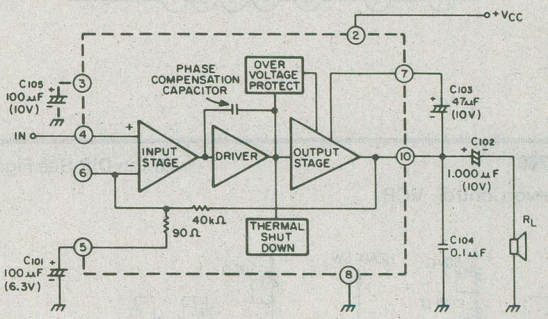
ECG1259 10-Pin DIP-W See Fig. L128

AF PO, 6.5 W



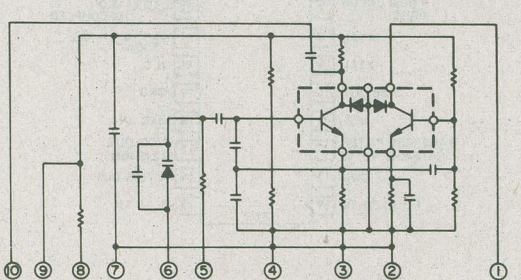
ECG1260
ECG1261 10-Pin SIP-HS See Fig. L83
Fig. L82

AF PO, 5.5 W



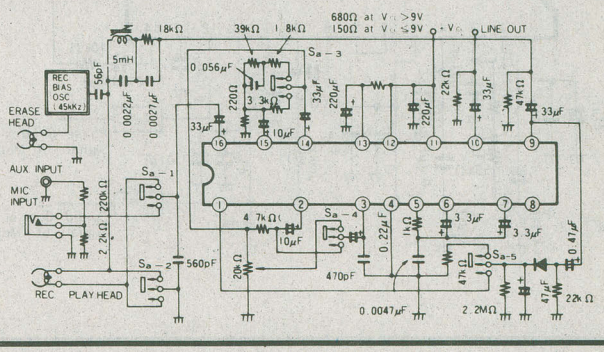
ECG1262 10-Pin SIP See Fig. L43

Voltage Controlled Osc, CB



ECG1263 16-Pin DIP See Fig. L112

Record/Playback Ckt, VCR

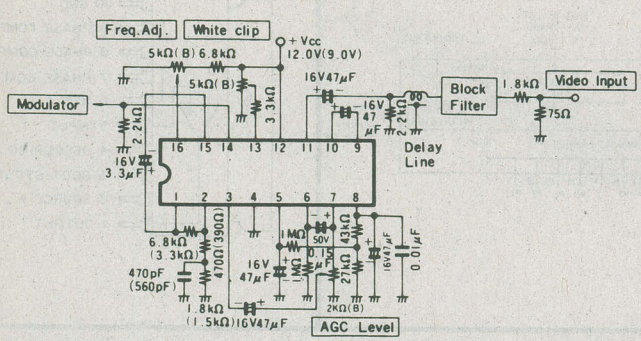


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Linear IC and Module Circuits (cont'd)

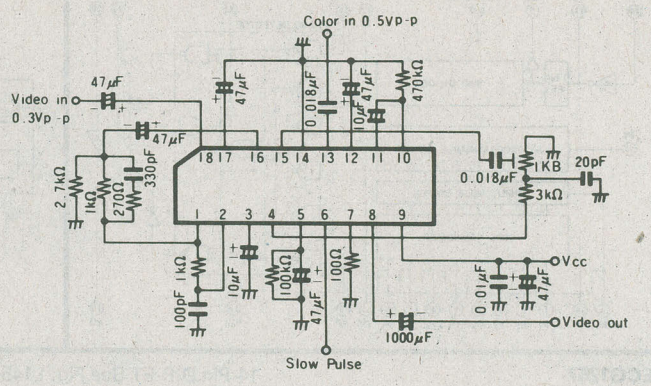
ECG1264 16-Pin DIP See Fig. L111

Luminance Ckt, VCR



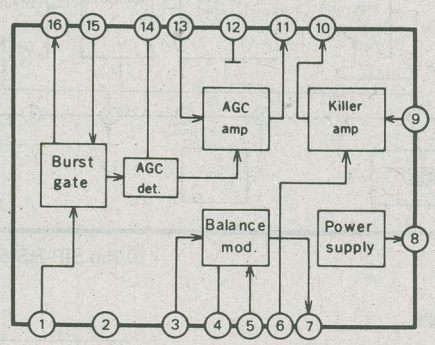
ECG1265 18-Pin DIP See Fig. L116

Noise Suppression Ckt, VCR



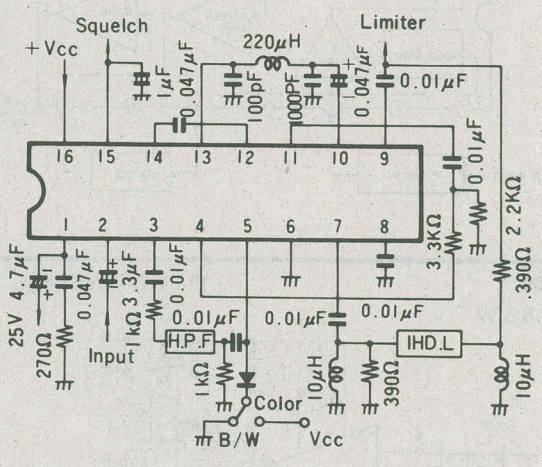
ECG1266 16-Pin DIP See Fig. L111

Chroma Processor, VCR



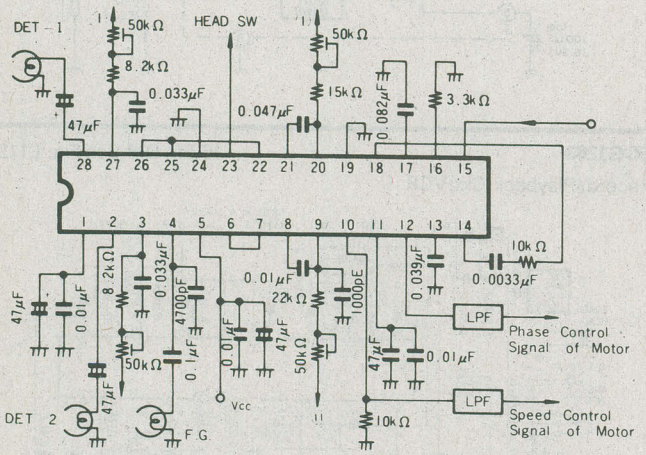
ECG1267 16-Pin DIP See Fig. L111

Dropout Compensator, VCR



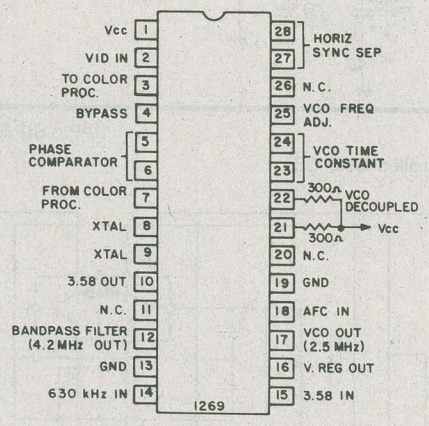
ECG1268 28-Pin DIP See Fig. L124

DC Servo Control, VCR



ECG1269 28-Pin DIP See Fig. L124

Color Processor, VCR

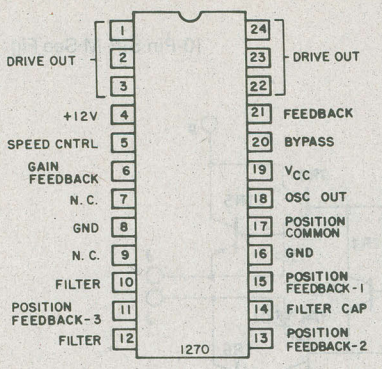


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

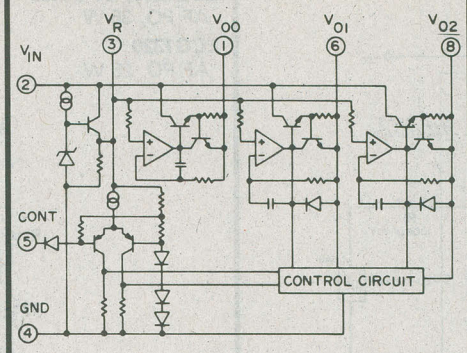
ECG1270 24-Pin DIP See Fig. L122A

VCR Motor Drive



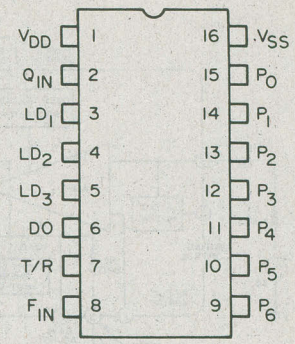
ECG1271 8-Pin SIP-HS See Fig. L77

Control Voltage Generator



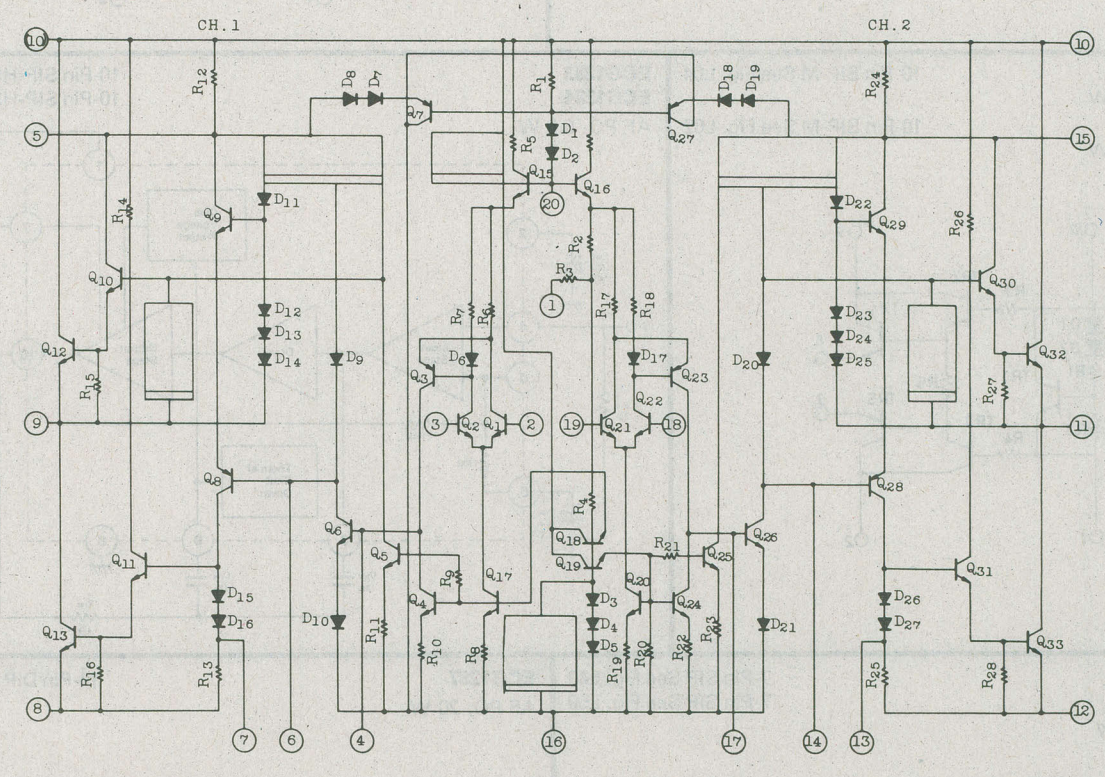
ECG1272 16-Pin DIP See Fig. L111

PLL Freq Synthesizer



ECG1273 20-Pin DIP See Fig. L119

Dual Channel Audio Pwr Amp, 5 W Per Channel, 15 W (BTL)



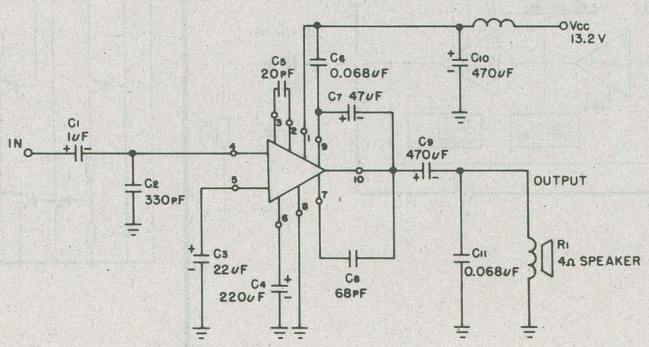
ECG1274

See ECG1025
Page 1-184

DISCONTINUED

ECG1275 10-Pin SIP-HS See Fig. L90

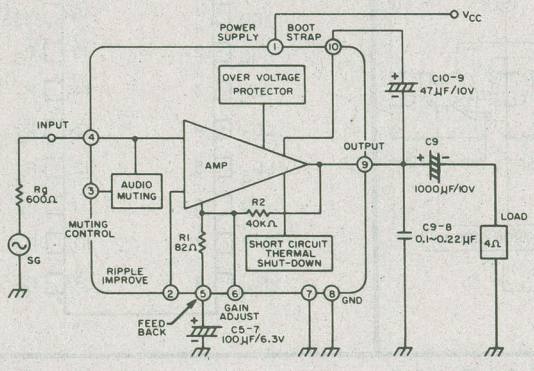
AF Pwr Amp, 5.8 W



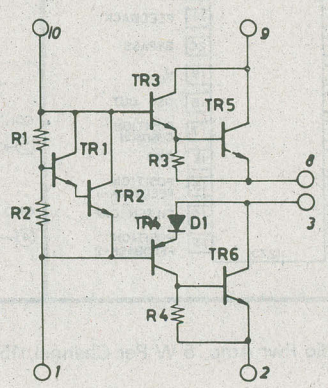
Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

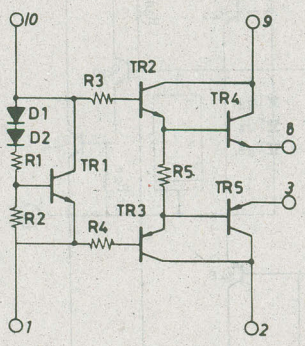
ECG1278 10-Pin SIP-HS See Fig. L85
AF PO, 5.8 W



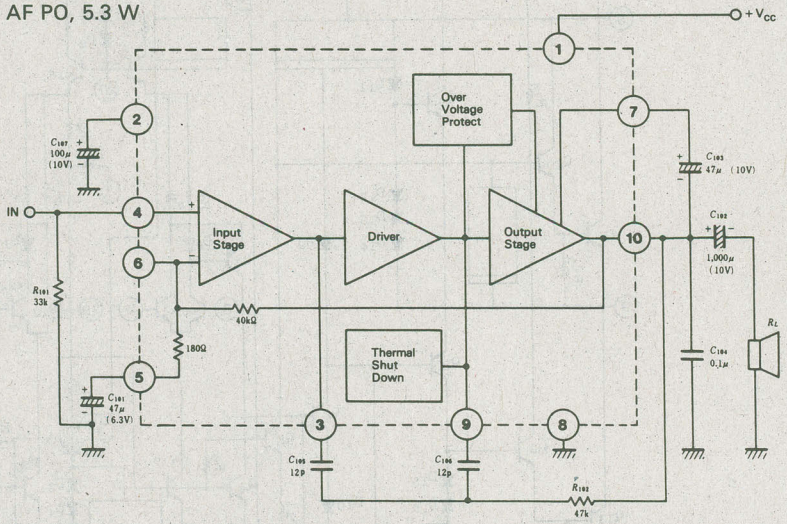
ECG1279 10-Pin SIP-M See Fig. L64
AF PO, 50 W
ECG1280, ECG1282
AF PO, 35 W
ECG1320 10-Pin SIP-M See Fig. L63
AF PO, 25 W



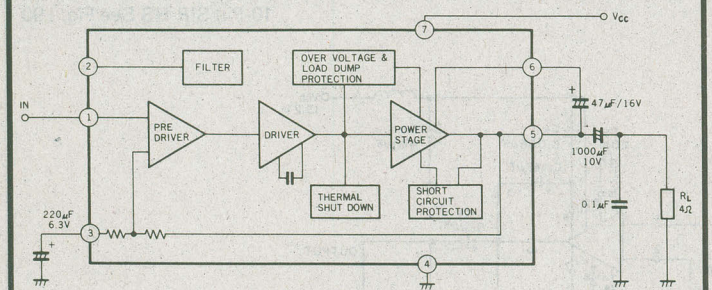
ECG1281 10-Pin SIP-M See Fig. L64
AF PO, 50 W
ECG1322 10-Pin SIP-M See Fig. L62
AF PO, 80 W



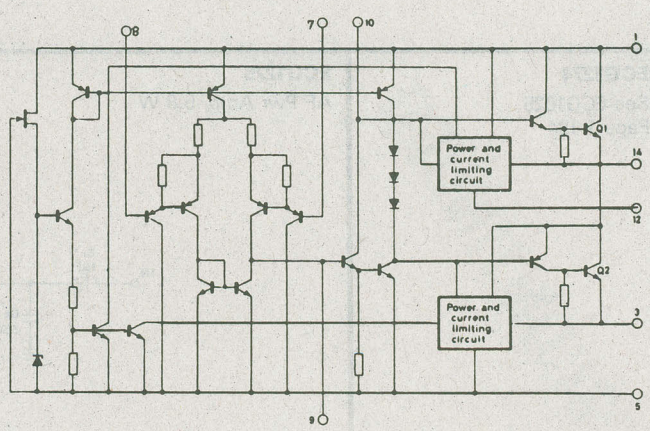
ECG1283 10-Pin SIP-HS See Fig. L83
ECG1284 10-Pin SIP-HS See Fig. L82
AF PO, 5.3 W



ECG1285 7-Pin SIP See Fig. L49
ECG1286 7-Pin SIP See Fig. L50
AF PO, 5.8 W



ECG1287 14-Pin DIP See Fig. L104
AF PO, 20 W



Package Outlines - See Page 1-297

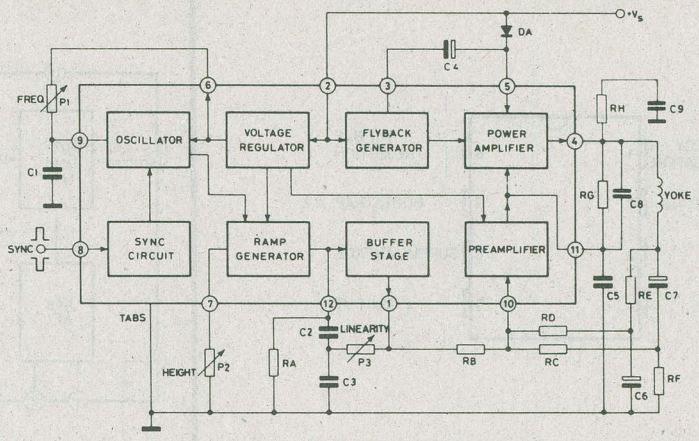
Linear IC and Module Circuits (cont'd)

ECG1288

See ECG1232
Page 1-210

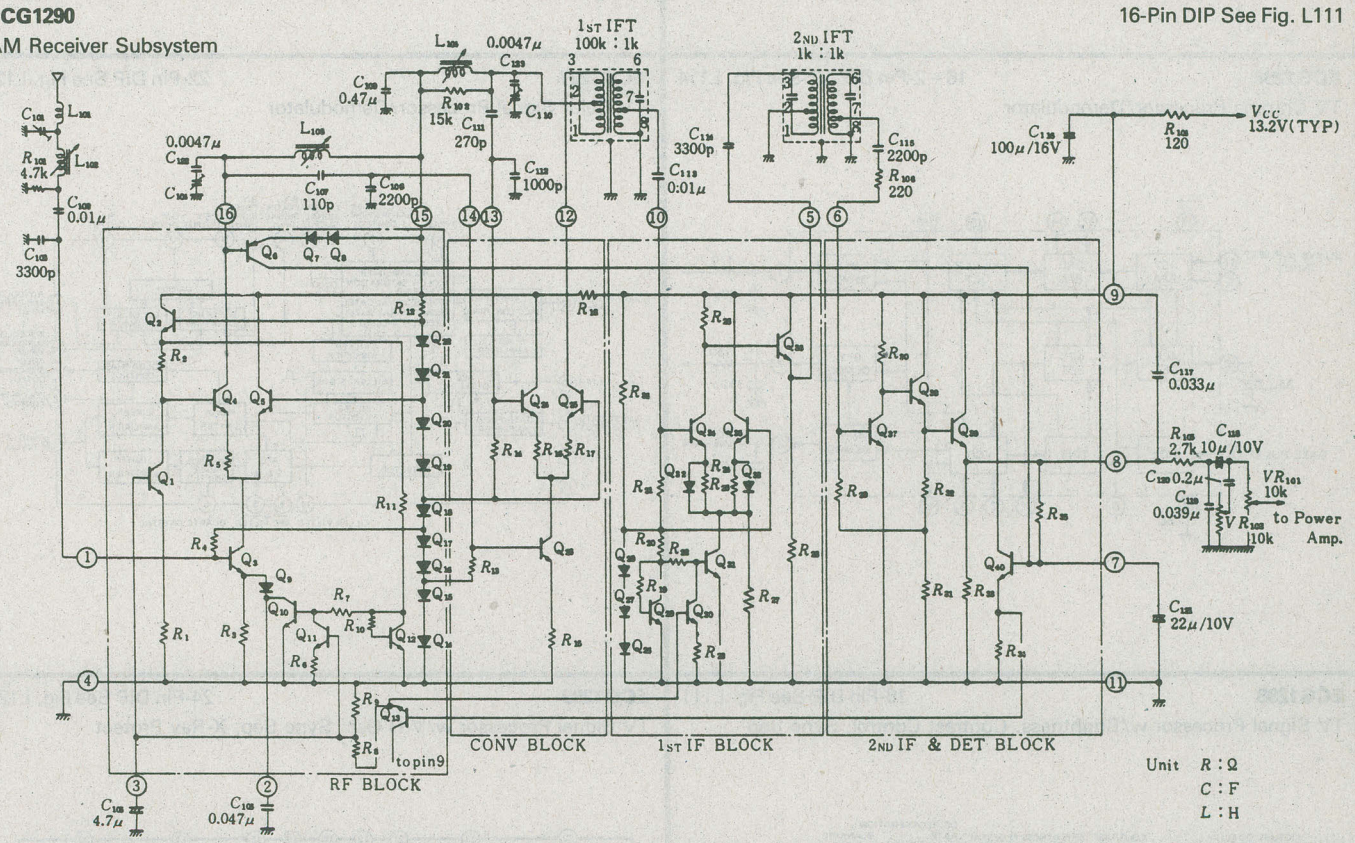
ECG1289 12-Pin DIP-QW See Fig. L131

TV Vertical Deflection System



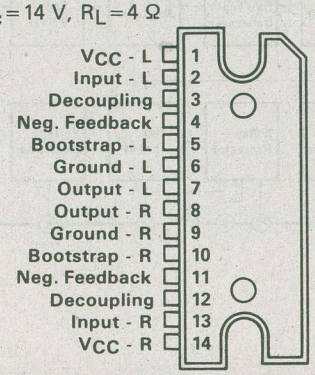
ECG1290 16-Pin DIP See Fig. L111

AM Receiver Subsystem



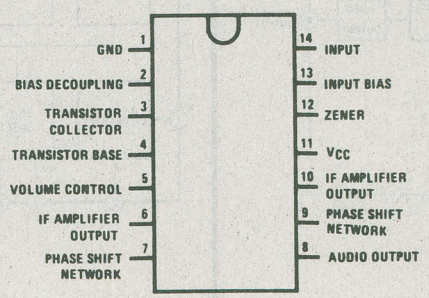
ECG1291 14-Pin SIP See Fig. L59

Dual Audio Pwr Amp, 5.5 W/Channel,
V_{CC} = 14 V, R_L = 4 Ω



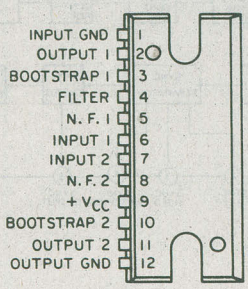
ECG1292 14-Pin DIP See Fig. L104

Sound IF Amp and Detector



ECG1293 12-Pin SIP See Fig. L57

Dual AF Pwr Amp, 7 W/Channel,
V_{CC} = 14 V, R_L = 4 Ω

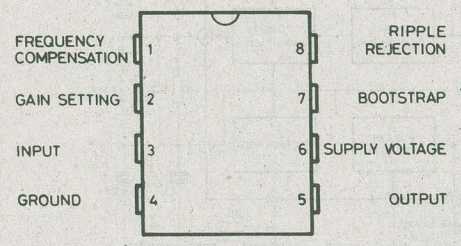


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

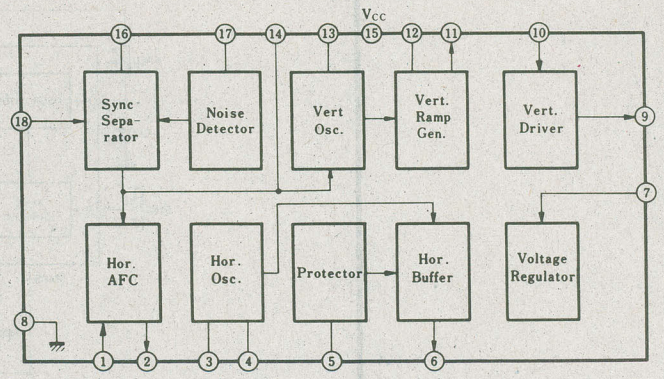
ECG1294 8-Pin DIP See Fig. L97

AF PO, 2 W, V_{CC} = 3 V to 12 V, R_L = 8 Ω



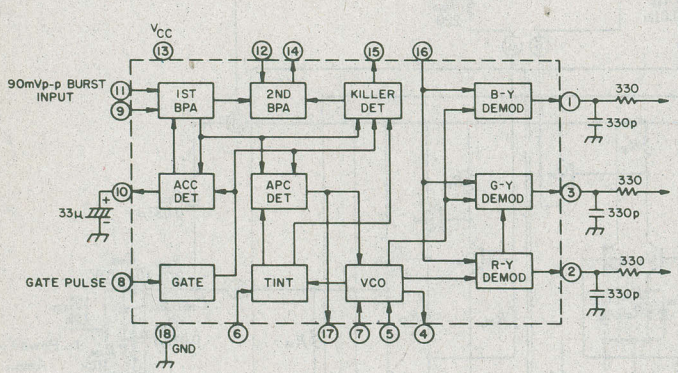
ECG1295 18-Pin DIP See Fig. L115

TV Signal Processor w/Vert Defl, AFC, X-Ray Protection



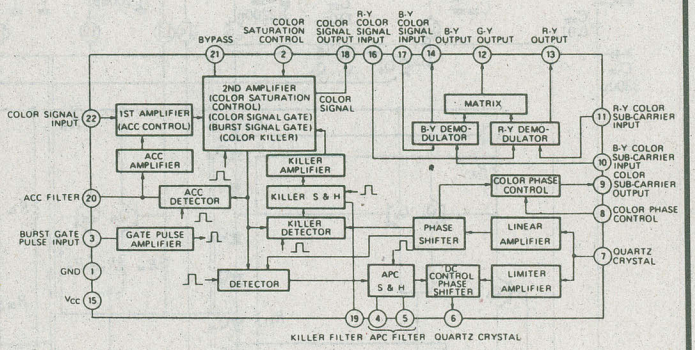
ECG1296 16+2-Pin DIP-ET See Fig. L114

TV Chroma Processor/Demodulator



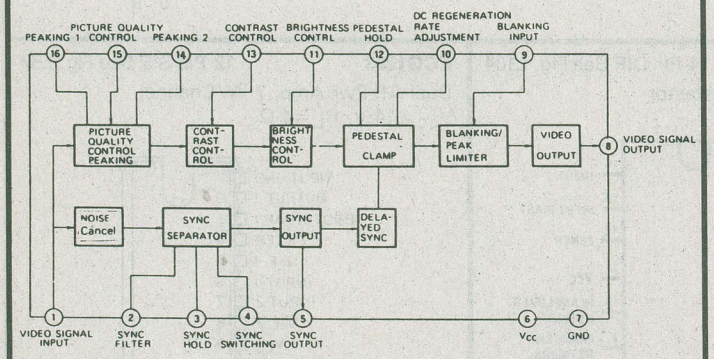
ECG1297 22-Pin DIP See Fig. L121

TV Color Signal Processor/Demodulator



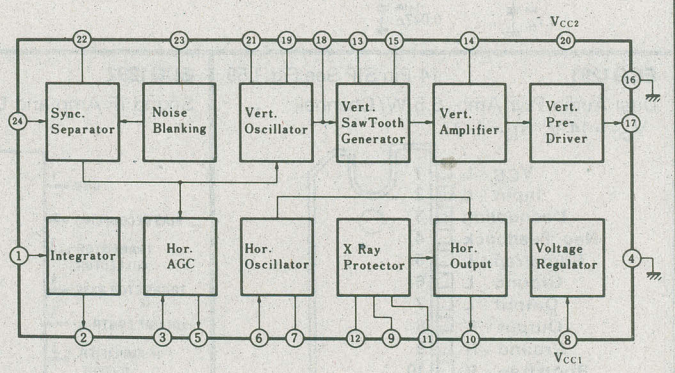
ECG1298 16-Pin DIP See Fig. L111

TV Signal Processor w/Brightness, Contrast Control, Sync Sep



ECG1299 24-Pin DIP See Fig. L122

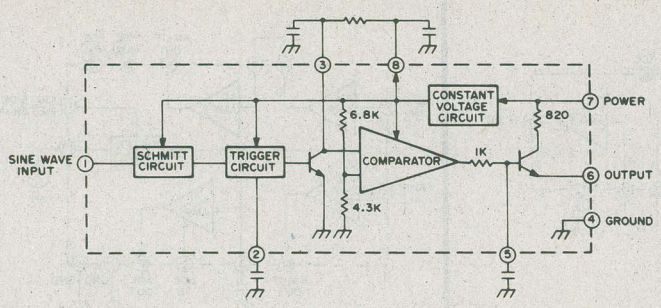
TV Signal Processor w/V-H Osc, Sync Sep, X-Ray Protect



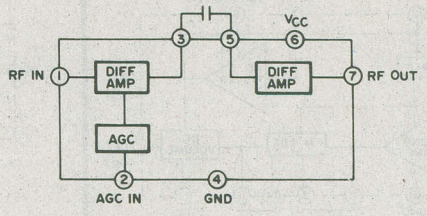
Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

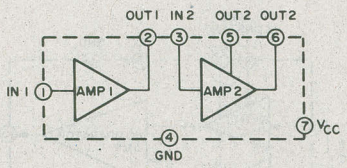
ECG1300 8-Pin SIP See Fig. L35
TV Remote Control



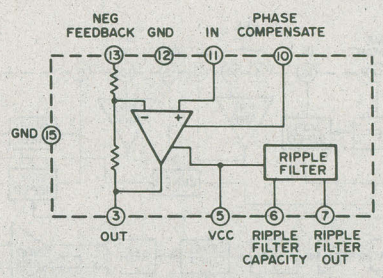
ECG1301 7-Pin SIP See Fig. L29
AM/FM IF



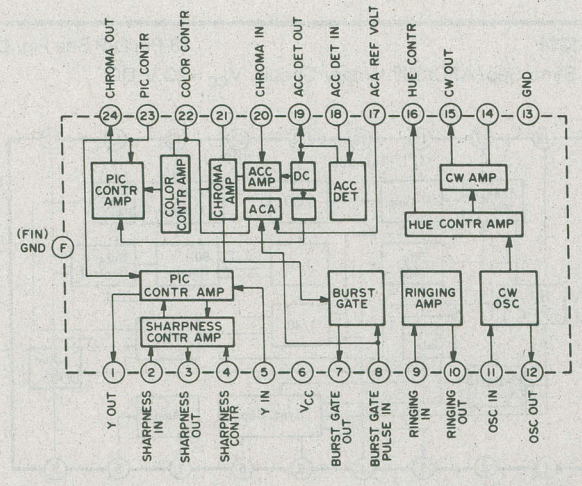
ECG1302 7-Pin SIP See Fig. L28
Audio Preamp



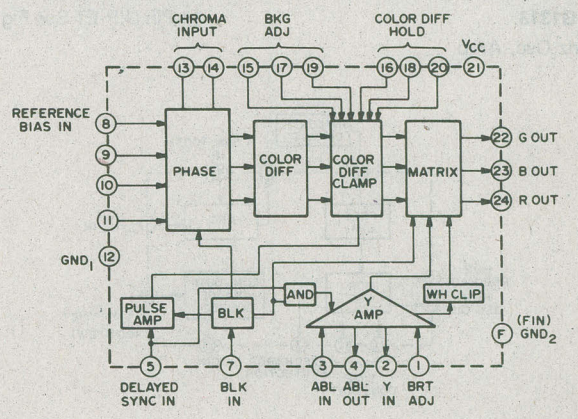
ECG1303 14-Pin DIP-ET See Fig. L141
AF Pwr Output



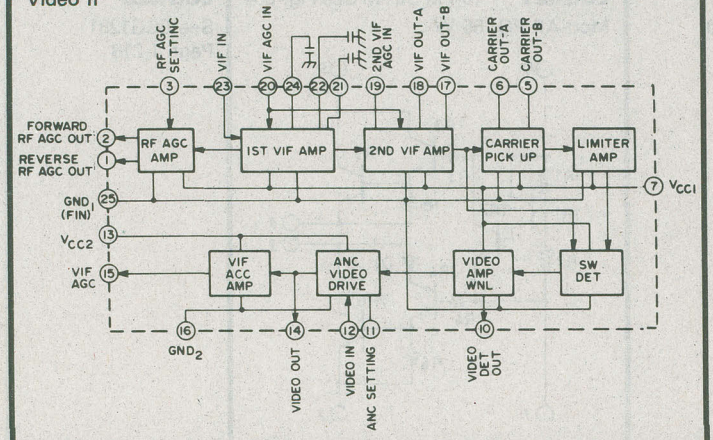
ECG1304 24-Pin DIP-ET See Fig. L153
Chroma Processor



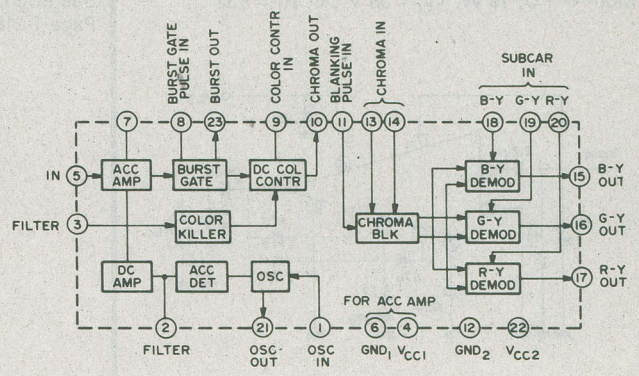
ECG1305 24-Pin DIP-ET See Fig. L153
Color Demodulator



ECG1306 24-Pin DIP-ET See Fig. L153
Video IF



ECG1307 24-Pin DIP-ET See Fig. L153
Chroma Processor

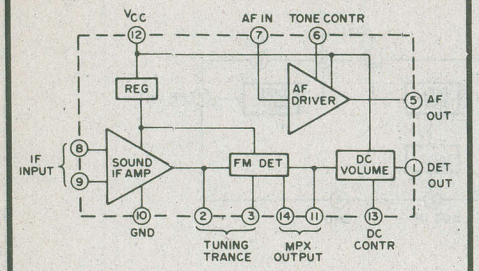


Package Outlines - See Page 1-297

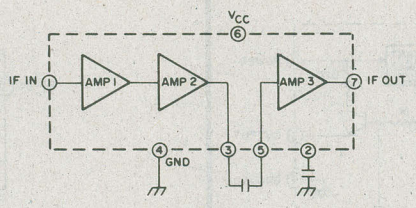
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Linear IC and Module Circuits (cont'd)

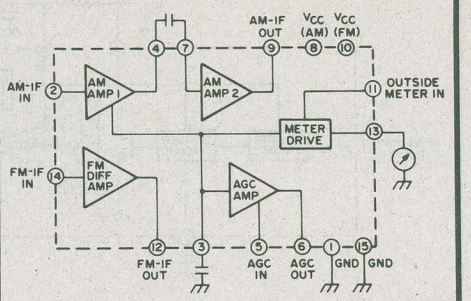
ECG1308 14-Pin DIP See Fig. L105 (14-Pin DIP-ET See Alternate Fig. L143)
TV Sound IF, Det



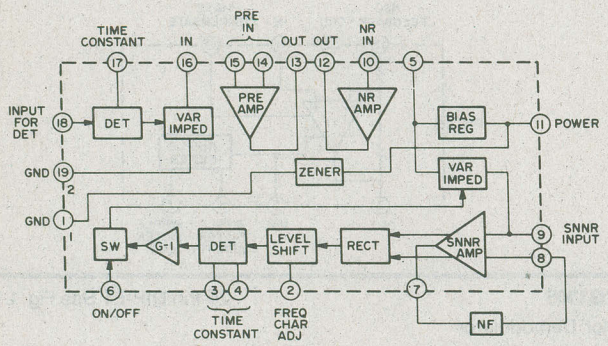
ECG1309 7-Pin SIP See Fig. L28
FM IF



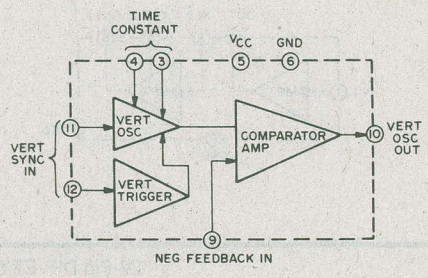
ECG1310 14-Pin DIP-ET See Fig. L142
FM/AM IF, AGC



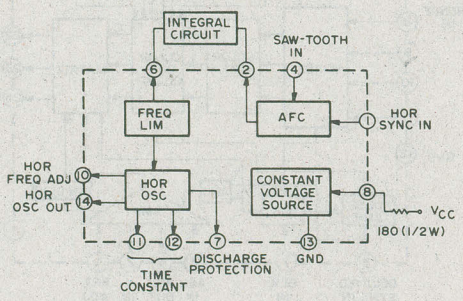
ECG1311 18-Pin DIP-ET See Fig. L152
Noise Cancelling Amp



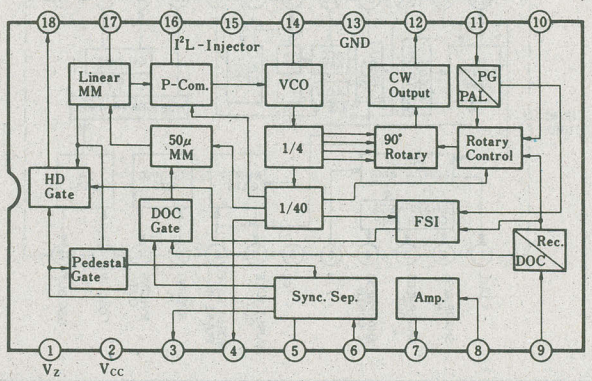
ECG1312 14-Pin DIP See Fig. L104
Vert Osc, Amp



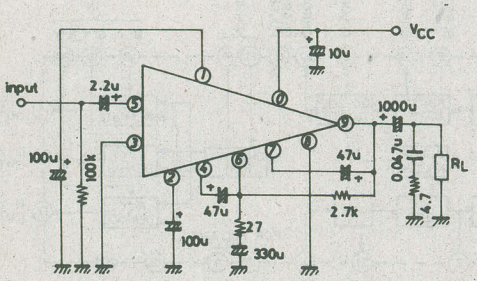
ECG1313 14-Pin DIP-ET See Fig. L141
Horiz Osc, Amp



ECG1314 18-Pin DIP See Fig. L115
VCR Sync Sep/AFC/90° Rotary Circuit, V_{CC} = 12 V DC

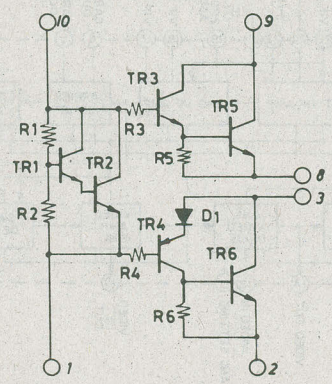


ECG1319 10-Pin SIP See Fig. L53A
Mod-AF PO, 15 W, V_{CC} = 38 V DC, R_L = 8 Ω



ECG1320
See ECG1280
Page 1-218

ECG1321 10-Pin SIP-M See Fig. L64
Mod-AF PO, 55 W

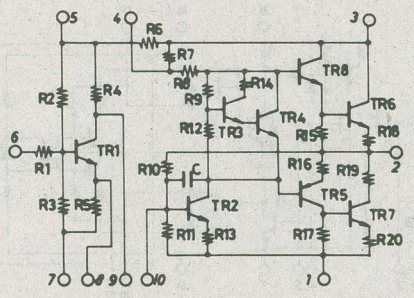


ECG1322
See ECG1281
Page 1-218

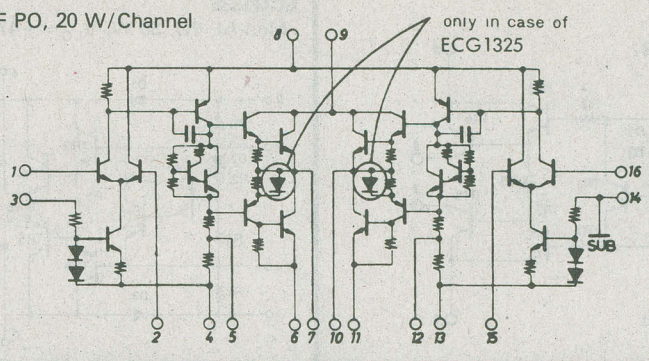
Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

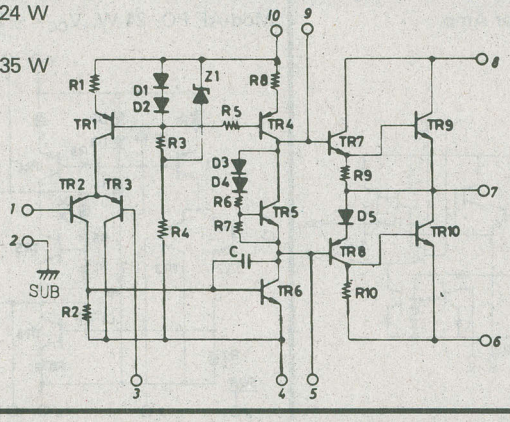
ECG1323 10-Pin SIP-M See Fig. L63
Mod-AF PO, 15 W



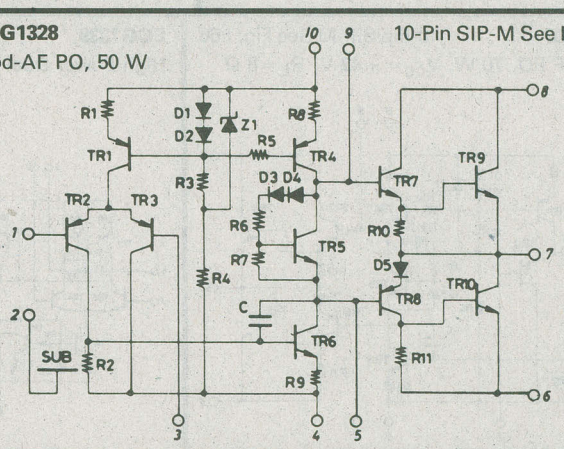
ECG1324 16-Pin SIP-M See Fig. L74
Mod-Dual AF PO, 10 W/Channel
ECG1325
Mod-Dual AF PO, 20 W/Channel



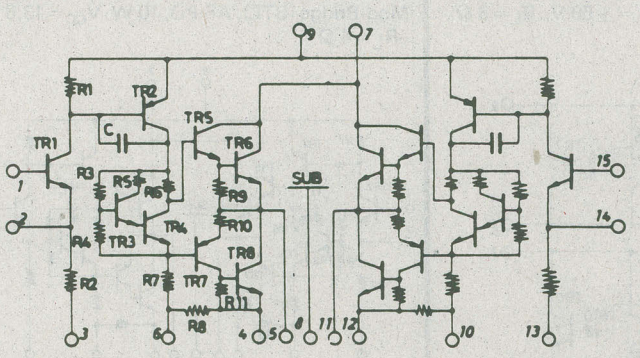
ECG1326 10-Pin SIP-M See Fig. L66
Mod-AF PO, 24 W
ECG1327
Mod-AF PO, 35 W



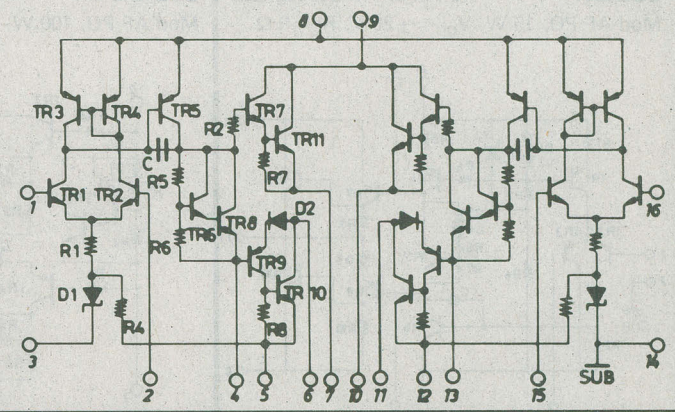
ECG1328 10-Pin SIP-M See Fig. L66
Mod-AF PO, 50 W



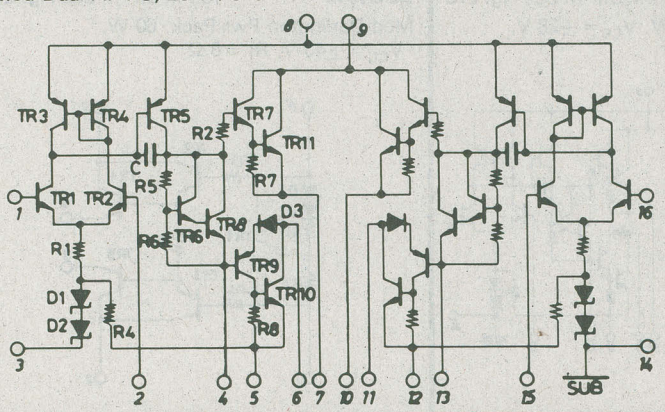
ECG1329 15-Pin SIP-M See Fig. L70
Mod-Dual AF PO, 20 W/Channel



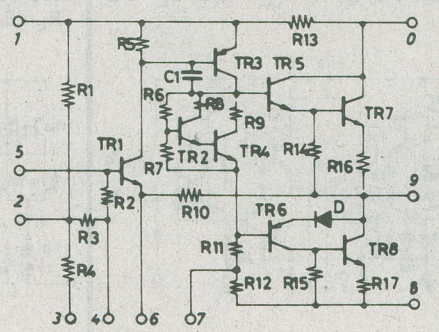
ECG1330 16-Pin SIP-M See Fig. L73
Mod-Dual AF PO, 15 W/Channel



ECG1331 16-Pin SIP-M See Fig. L73
Mod-Dual AF PO, 25 W/Channel



ECG1332 10-Pin SIP-M See Fig. L66
Mod-AF PO, 25 W

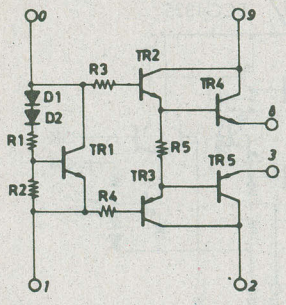


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Package Outlines - See Page 1-297

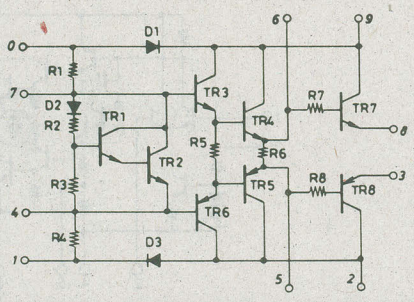
Linear IC and Module Circuits (cont'd)

ECG1333 10-Pin SIP-M See Fig. L63
Mod-AF PO, 40 W, $V_{CC} = \pm 33$ V, $R_L = 8\ \Omega$

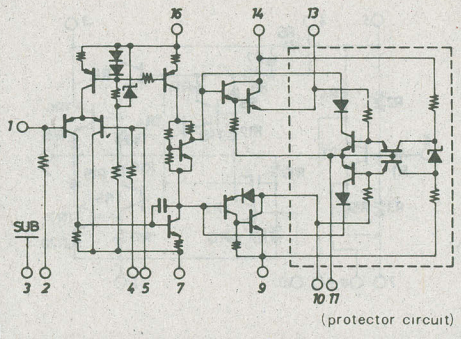


ECG1334 10-Pin SIP-M See Fig. L62
Mod-AF PO, 60 W, $V_{CC} = \pm 41$ V, $R_L = 8\ \Omega$

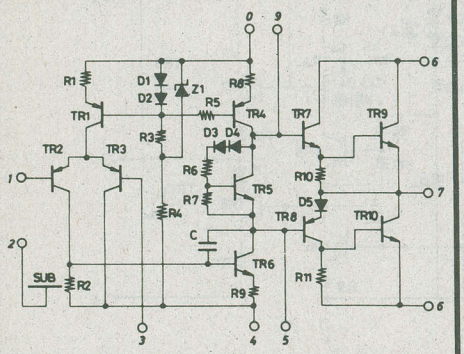
ECG1335
Mod-AF PO, 80 W, $V_{CC} = \pm 47$ V, $R_L = 8\ \Omega$



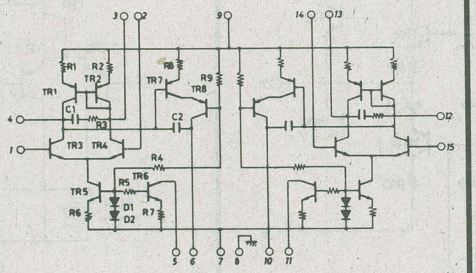
ECG1336 16-Pin SIP-M See Fig. L72
Mod-AF PO, 70 W, $V_{CC} = \pm 42$ V, $R_L = 8\ \Omega$



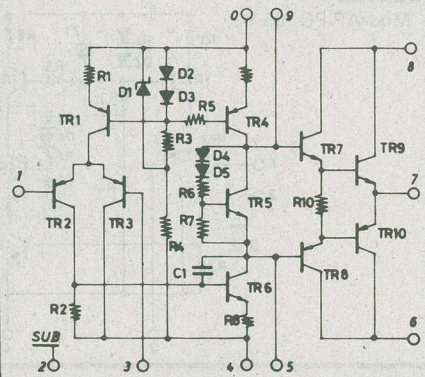
ECG1337 10-Pin SIP-M See Fig. L66
Mod-AF PO, 70 W, $V_{CC} = \pm 42$ V, $R_L = 8\ \Omega$



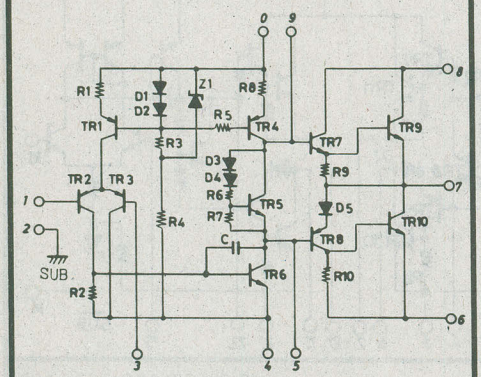
ECG1339 15-Pin SIP-M See Fig. L68
High Power Dual AF Driver Amp



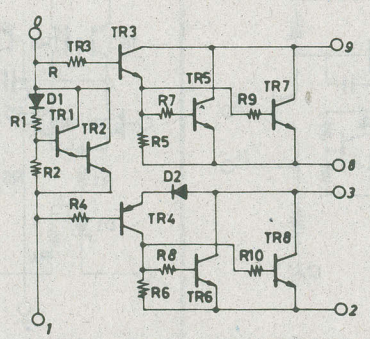
ECG1340 10-Pin SIP-M See Fig. L66
Mod-AF PO, 24 W, $V_{CC} = \pm 25$ V, $R_L = 8\ \Omega$



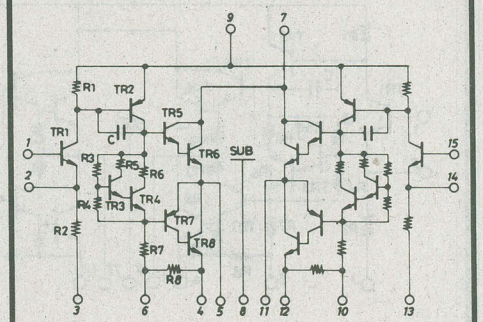
ECG1341 10-Pin SIP-M See Fig. L66
Mod-AF PO, 15 W, $V_{CC} = \pm 20$ V, $R_L = 8\ \Omega$



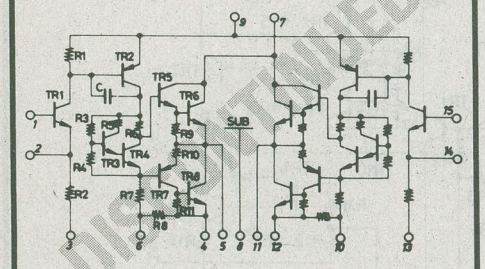
ECG1342 10-Pin SIP-M See Fig. L66
Mod-AF PO, 100 W, $V_{CC} = \pm 50$ V, $R_L = 8\ \Omega$



ECG1343 15-Pin SIP-M See Fig. L69
Mod-Bridge (BTL), AF PO, 10 W, $V_{CC} = 13.8$ V, $R_L = 4\ \Omega$

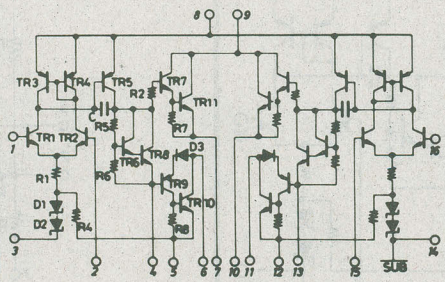


ECG1344 15-Pin SIP-M See Fig. L70
Mod-Dual AF PO, 25 W, $V_{CC} = 49$ V, $R_L = 8\ \Omega$

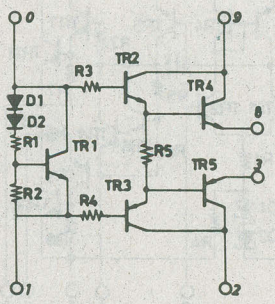


DISCONTINUED

ECG1345 16-Pin SIP-M See Fig. L73
Mod-Dual AF PO, 30 W, $V_{CC} = \pm 28$ V, $R_L = 8\ \Omega$



ECG1346 10-Pin SIP-M See Fig. L62
Mod-Darlington Pwr Pack, 60 W, $V_{CC} = \pm 40$ V, $R_L = 8\ \Omega$

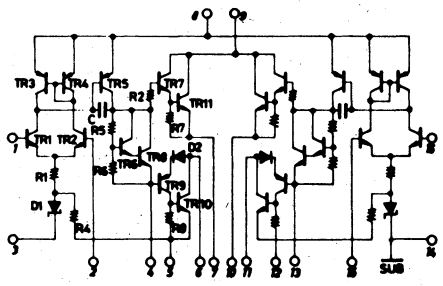


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Linear IC and Module Circuits (cont'd)

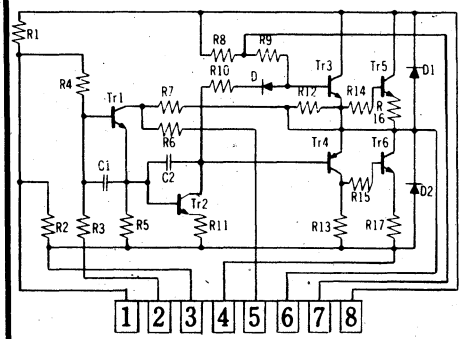
ECG1347 16-Pin SIP-M See Fig. L73

Mod-2 Channel AF PO, 20 W/Channel, $V_{CC} = \pm 23$ V, $R_L = 8\ \Omega$



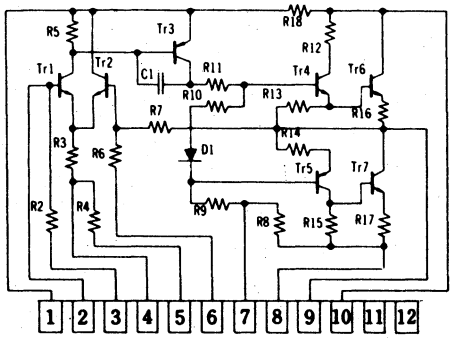
ECG1348 8-Pin SIP See Fig. L60

Mod-AF PO, 20 W, $V_{CC} = \pm 23$ V, $R_L = 8\ \Omega$



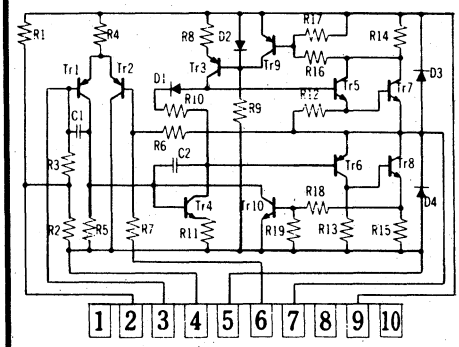
ECG1349 12-Pin SIP See Fig. L67

Mod-AF PO, 20 W, $V_{CC} = \pm 20$ V, $R_L = 4\ \Omega$



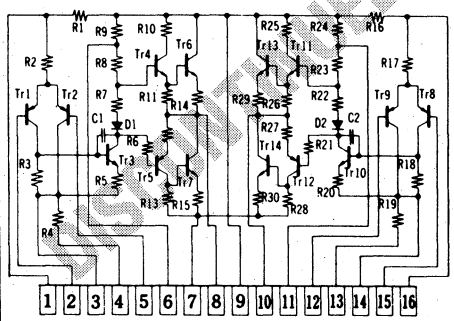
ECG1350 10-Pin SIP See Fig. L61

Mod-AF PO, 50 W, $V_{CC} = \pm 33$ V, $R_L = 8\ \Omega$



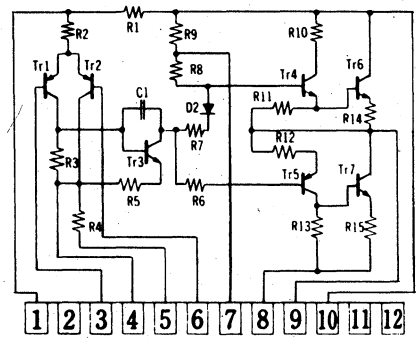
ECG1351 16-Pin SIP See Fig. L75

Mod-Dual AF PO, 25 W, $V_{CC} = \pm 22.5$ V, $R_L = 4\ \Omega$



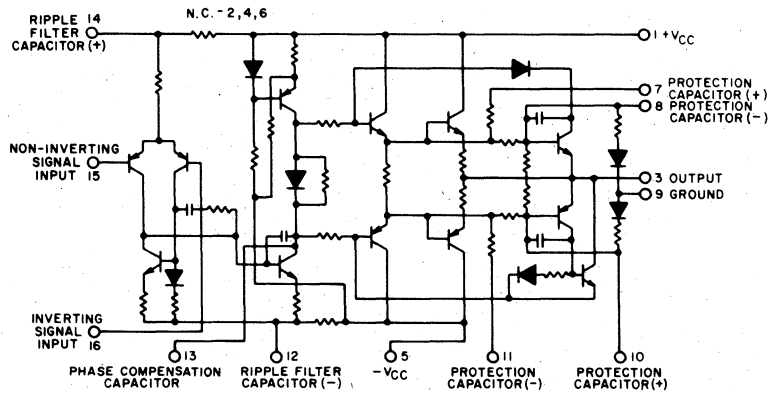
ECG1352 12-Pin SIP See Fig. L67

Mod-AF PO, 30 W, $V_{CC} = \pm 24.5$ V, $R_L = 4\ \Omega$



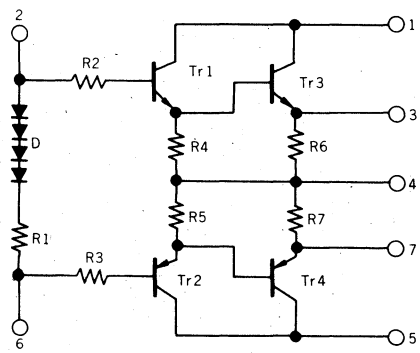
ECG1353 16-Pin SIP See Fig. L75

Mod-AF PO, 40 W, $V_{CC} = \pm 25$ V, $R_L = 4\ \Omega$



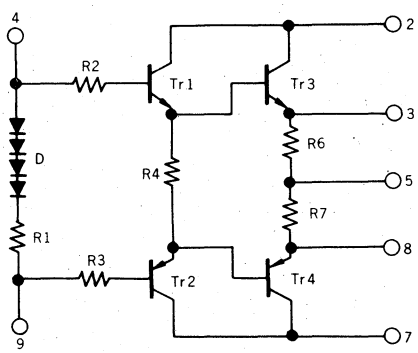
ECG1354 8-Pin SIP See Fig. L60

Mod-Pwr Darlington, 60 W, $V_{CC} = \pm 40$ V, $R_L = 8\ \Omega$



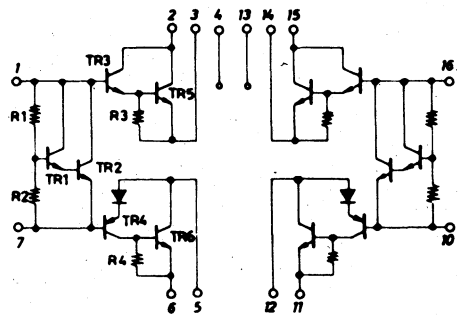
ECG1355 10-Pin SIP See Fig. L61

Mod-Pwr Darlington, 100 W, $V_{CC} = \pm 50$ V, $R_L = 8\ \Omega$



ECG1356 16-Pin SIP-M See Fig. L73

Mod-Dual AF PO, 25 W, $V_{CC} = \pm 25$ V, $R_L = 8\ \Omega$



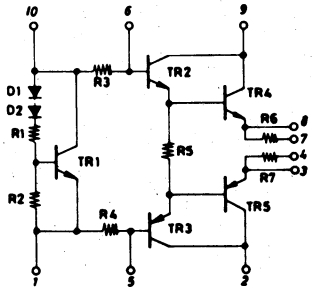
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Linear IC and Module Circuits (cont'd)

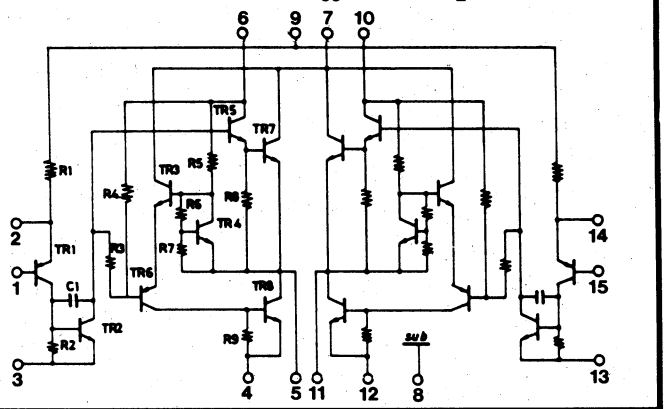
ECG1357 10-Pin SIP-M See Fig. L64
Mod-Pwr Darlington, 40 W, $V_{CC} = \pm 33$ V, $R_L = 8\ \Omega$

ECG1358
Mod-Pwr Darlington, 50 W, $V_{CC} = \pm 36$ V, $R_L = 8\ \Omega$

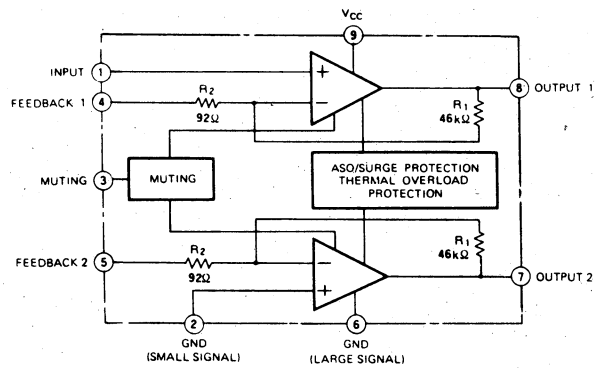
ECG1360
Mod-Pwr Darlington, 60 W, $V_{CC} = \pm 40$ V, $R_L = 8\ \Omega$



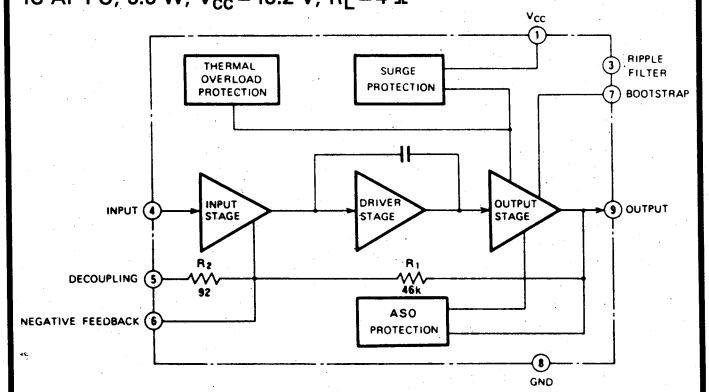
ECG1359 15-Pin SIP-M See Fig. L69
Mod-Dual AF PO, 22 W/Channel, $V_{CC} = +31$ V, $R_L = 4\ \Omega$



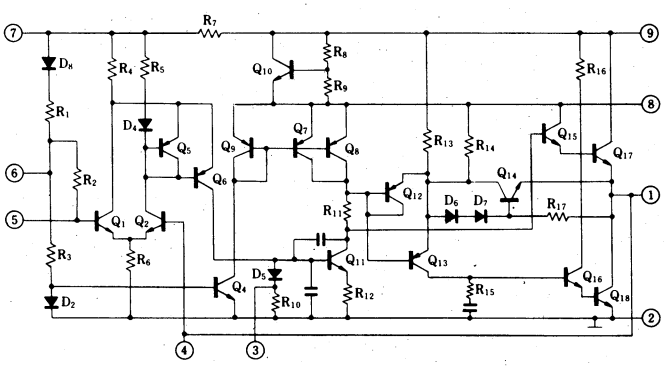
ECG1361 9-Pin SIP-HS See Fig. L80
IC-AF Pwr Amp, 12 W Bridge (BTL), $V_{CC} = 13.2$ V, $R_L = 4\ \Omega$



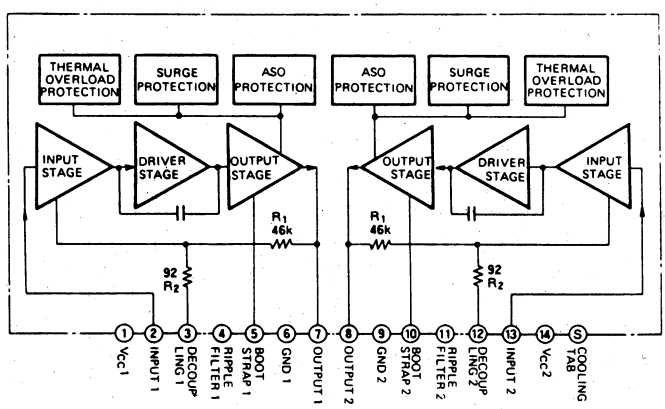
ECG1362 9-Pin SIP-HS See Fig. L80
IC-AF PO, 5.5 W, $V_{CC} = 13.2$ V, $R_L = 4\ \Omega$



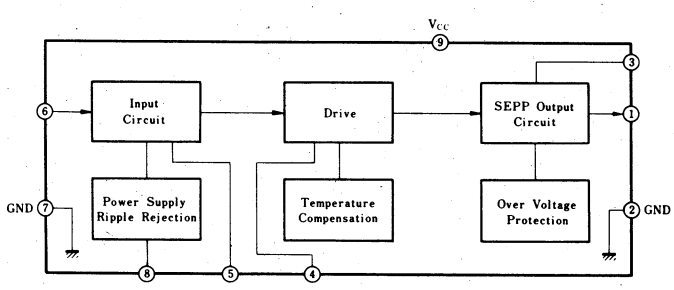
ECG1363 9-Pin SIP-HS See Fig. L79
IC-AF PO, 4.2 W, $V_{CC} = 13.2$ V, $R_L = 4\ \Omega$



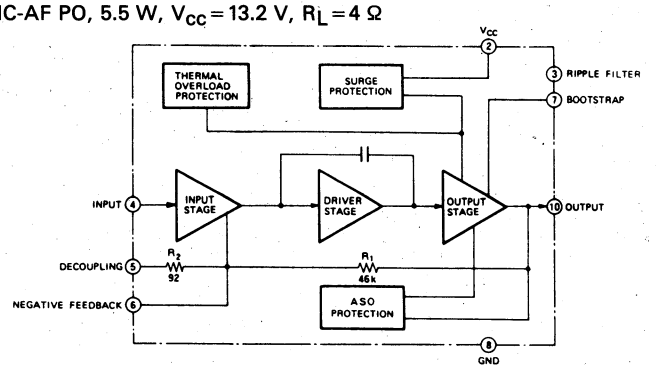
ECG1364 14-Pin SIP See Fig. L59
IC-AF PO, Dual 5.5 Bridge (BTL), 16 W, $V_{CC} = 13.2$ V, $R_L = 4\ \Omega$



ECG1365 9-Pin SIP-HS See Fig. L79
IC-AF PO, 5 W, $V_{CC} = 13.2$ V, $R_L = 4\ \Omega$



ECG1366 10-Pin SIP-HS See Fig. L84
IC-AF PO, 5.5 W, $V_{CC} = 13.2$ V, $R_L = 4\ \Omega$

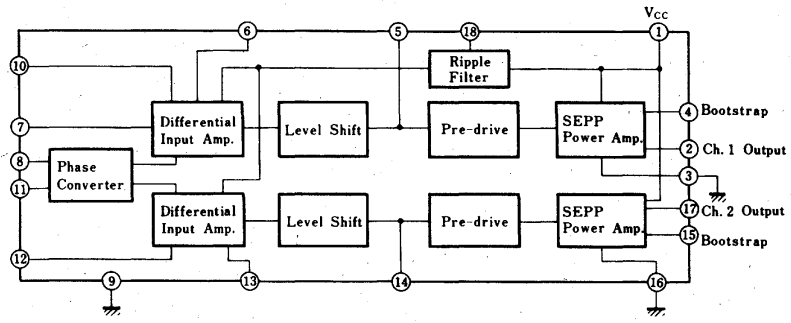


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Linear IC and Module Circuits (cont'd)

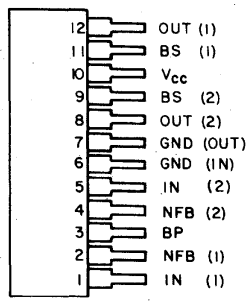
ECG1367 18-Pin DIP See Fig. L116

IC-AF PO, Dual 5 W, $R_L = 4\ \Omega$, Bridge (BTL), 10 W, $R_L = 8\ \Omega$, $V_{CC} = 13.2$ V



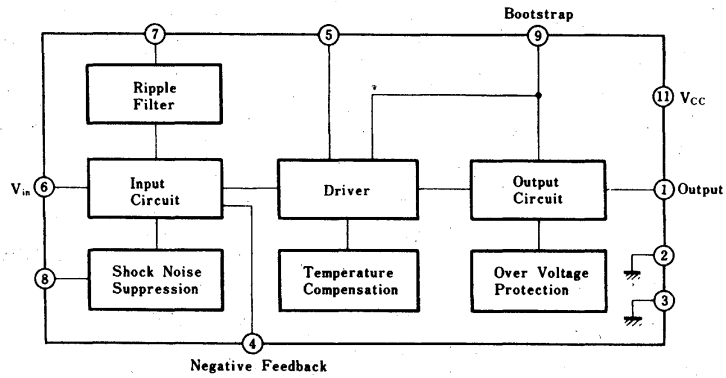
ECG1368 12-Pin SIP See Fig. L57

IC-Dual AF PO, 5.8 W, $V_{CC} = 13.2$ V, $R_L = 4\ \Omega$



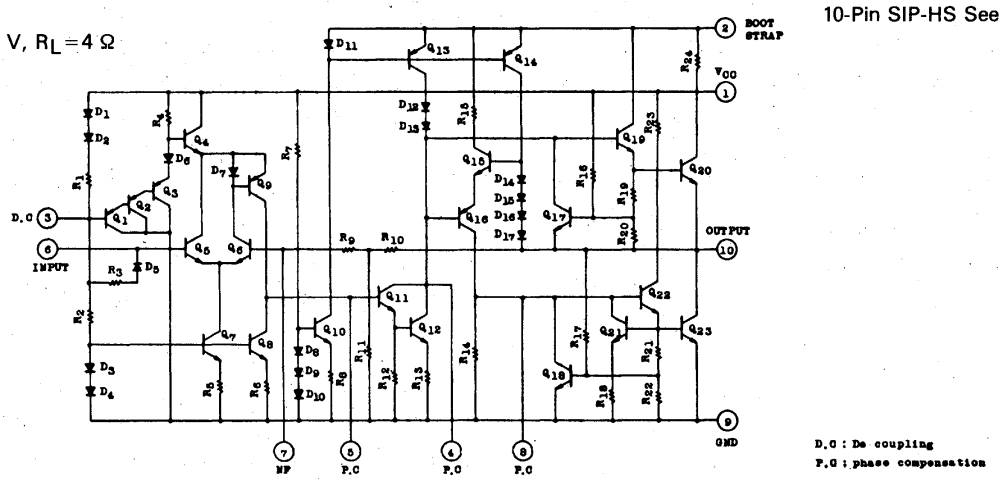
ECG1369 11-Pin SIP See Fig. L54

IC-AF PO, 5.5 W, $V_{CC} = 13.2$ V, $R_L = 4\ \Omega$



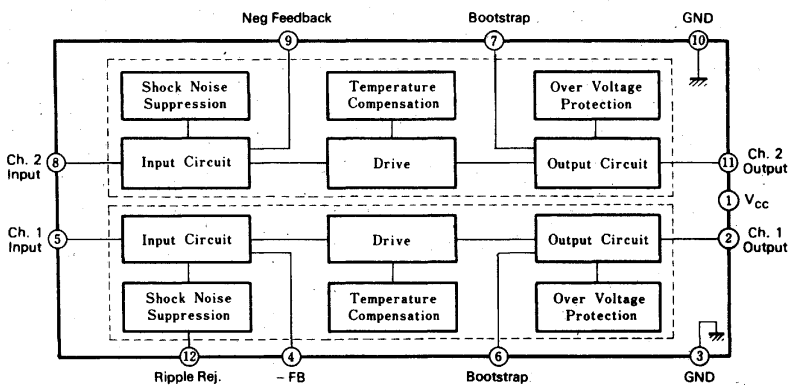
ECG1370 10-Pin SIP-HS See Fig. L86

IC-AF PO, 5.8 W, $V_{CC} = 13.2$ V, $R_L = 4\ \Omega$



ECG1371 12-Pin SIP See Fig. L55

IC-Dual AF PO, 5.5 W, $V_{CC} = 13.2$ V, $R_L = 4\ \Omega$

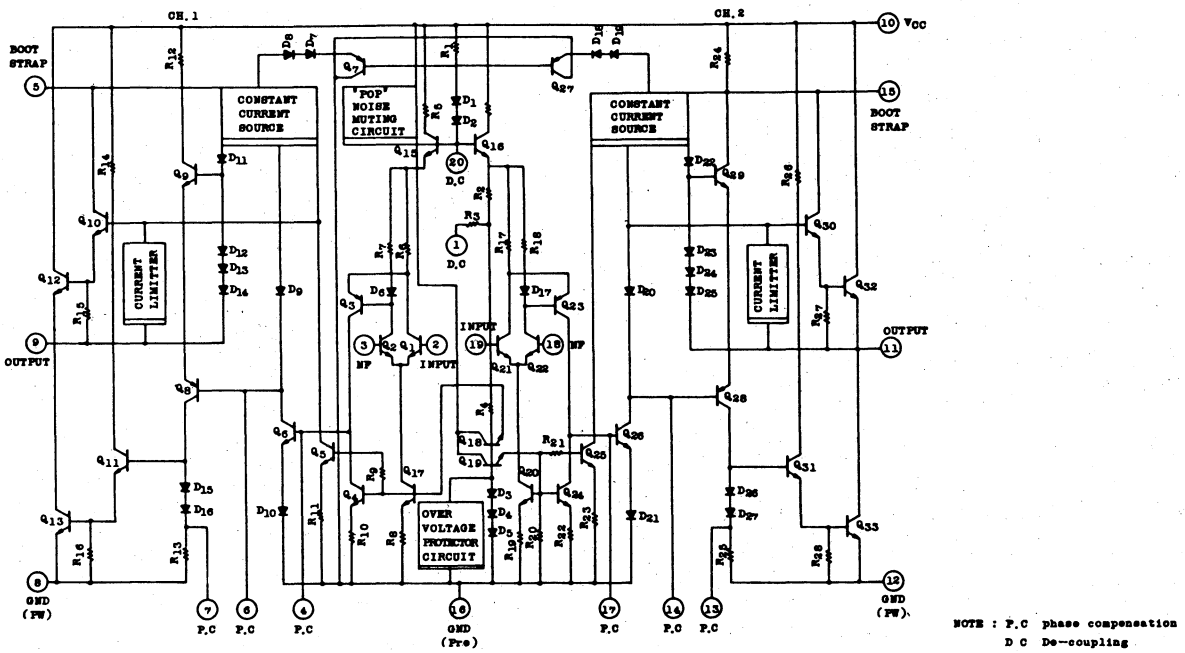


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Linear IC and Module Circuits (cont'd)

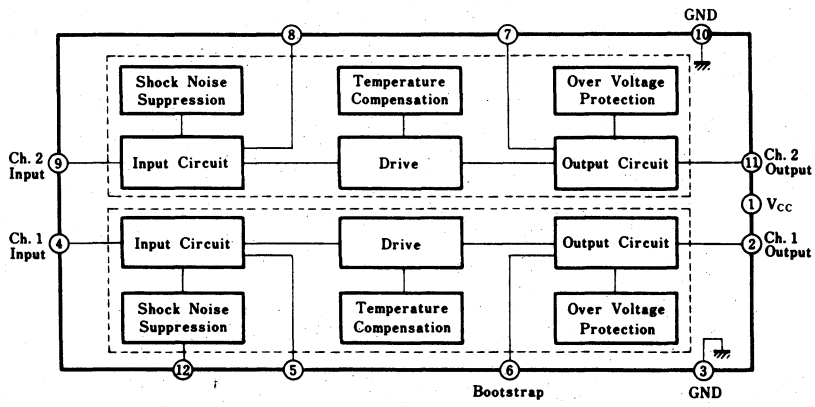
ECG1372 20-Pin DIP See Fig. L119

IC-Dual AF PO, 3.9 W, Bridge (BTL), 12 W, $V_{CC}=12$ V, $R_L=4\ \Omega$



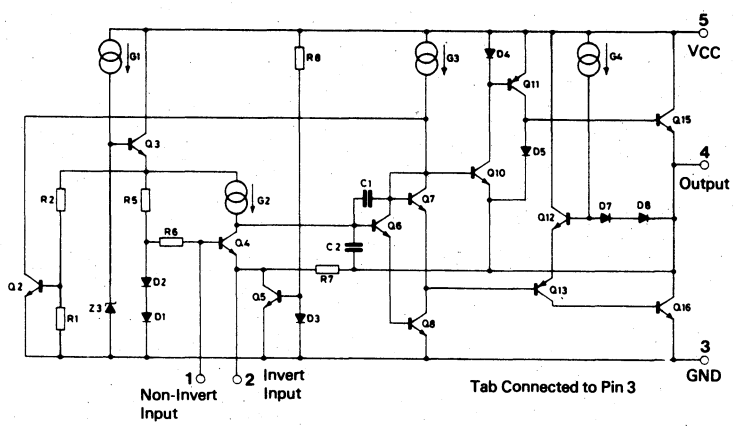
ECG1373 12-Pin SIP See Fig. L55

IC-Dual AF PO, 5.5 W, $V_{CC}=13.2$ V, $R_L=4\ \Omega$



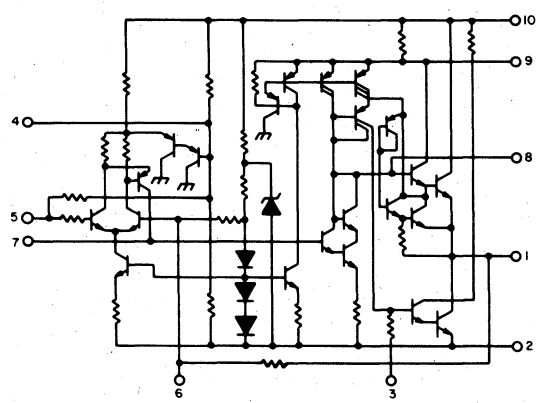
ECG1374 TO-220, 5-Pin See Fig. L19

IC-AF PO, 12 W, $V_{CC}=22$ V, $R_L=4\ \Omega$



ECG1375 10-Pin SIP-HS See Fig. L87

IC-AF PO, 5.8 W, $V_{CC}=13.2$ V, $R_L=4\ \Omega$

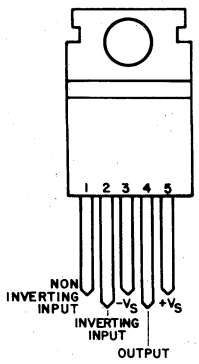


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Linear IC and Module Circuits (cont'd)

ECG1376 TO-220, 5-Pin See Fig. L19

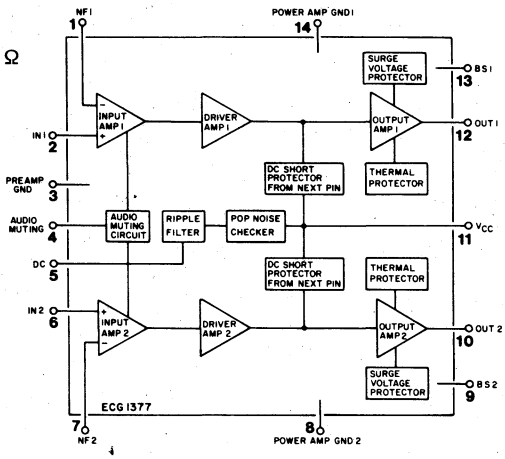
IC-AF PO, 22 W, $V_{CC}=32$ V, $R_L=4\ \Omega$



(PIN 3 CONNECTED TO CASE)

ECG1377 14-Pin SIP See Fig. L58

IC-Dual AF PO, 6 W, Bridge (BTL), 19 W, $V_{CC}=13.2$ V, $R_L=4\ \Omega$



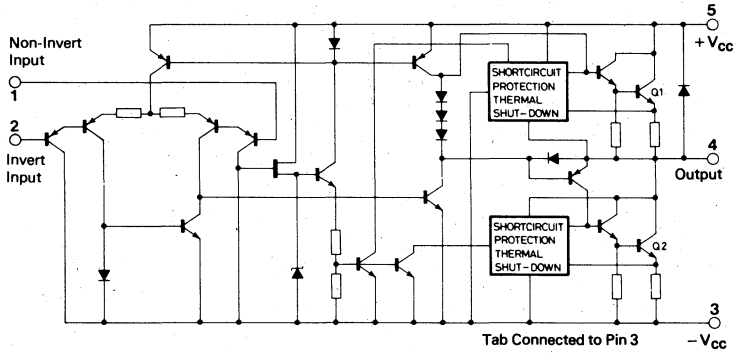
ECG1378

IC-AF PO, 10 W, $V_{CC}=\pm 12$ V, $R_L=4\ \Omega$

ECG1380

IC-AF PO, 14 W, $V_{CC}=14$ V, $R_L=4\ \Omega$

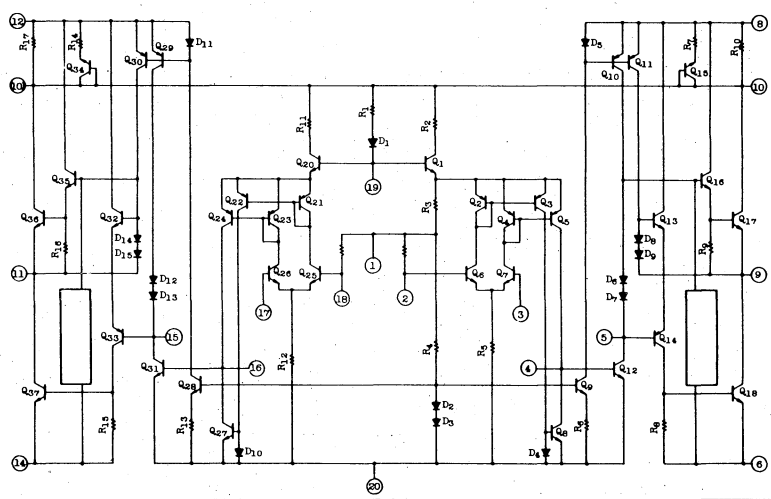
TO-220, 5-Pin See Fig. L19



ECG1379

IC-Dual AF PO, 5.5 W, $V_{CC}=9$ V, $R_L=4\ \Omega$

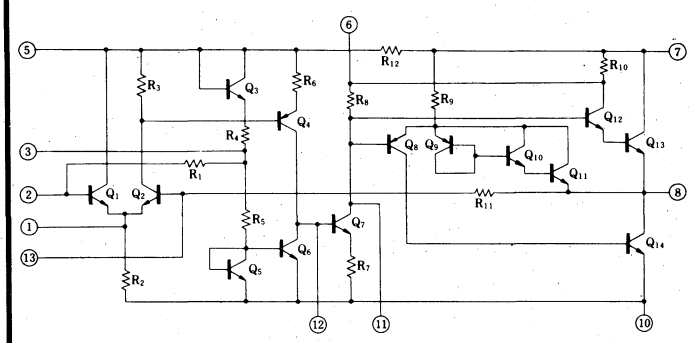
20-Pin DIP See Fig. L119



Pin 7 & 13—N.C.; Pin 6, 14, 20—GND

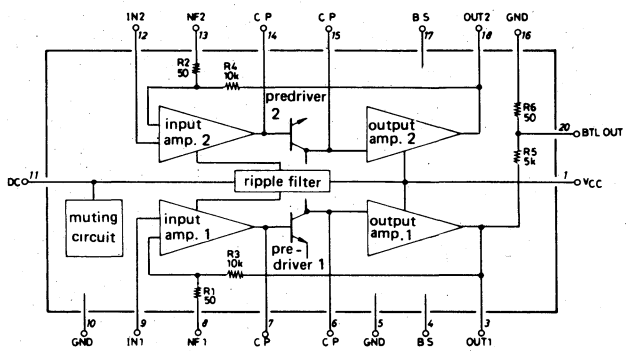
ECG1381 14-Pin DIP-ET See Fig. L147

IC-AF PO, 2.1 W, $V_{CC}=9$ V, $R_L=4\ \Omega$



ECG1382 20-Pin DIP (18 Pins) See Fig. L120

IC-Dual AF PO, 4.2 W, Bridge (BTL), 9 W, $V_{CC}=12$ V, $R_L=4\ \Omega$

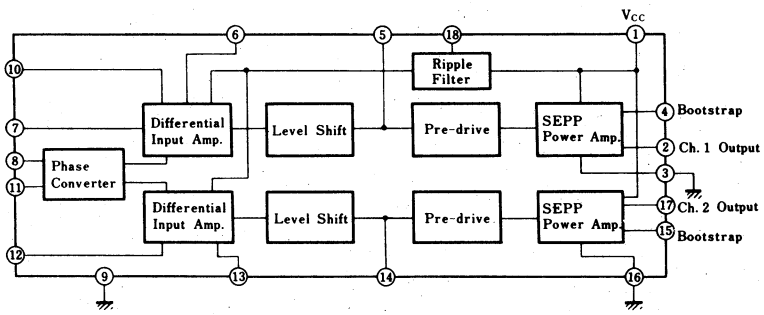


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Linear IC and Module Circuits (cont'd)

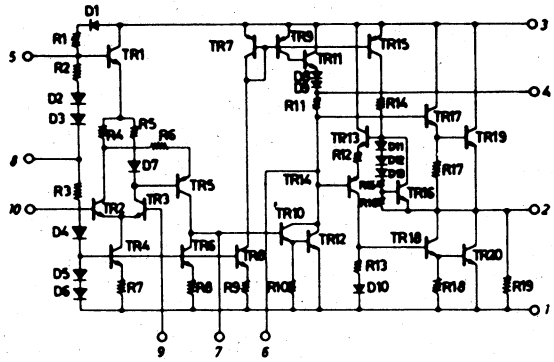
ECG1383 18-Pin DIP See Fig. L116

IC-Dual AF PO, 5.1 W, $R_L = 4\ \Omega$, Bridge (BTL), 10.5 W, $R_L = 8\ \Omega$, $V_{CC} = 13.2$ V



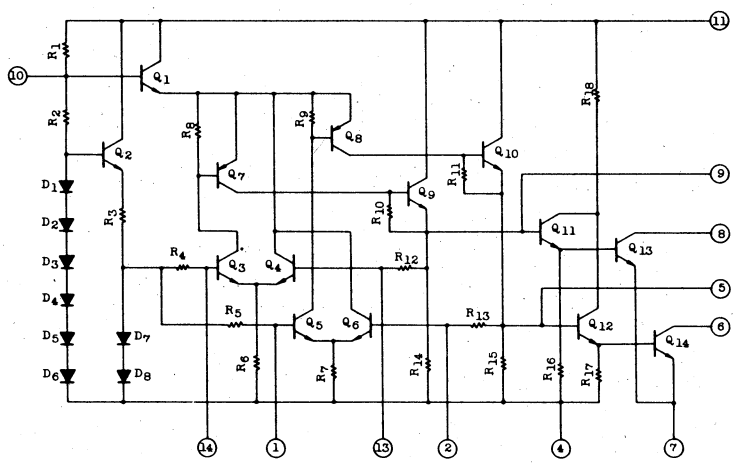
ECG1384 10-Pin SIP-HS See Fig. L88

IC-AF PO, 3.5 W, $V_{CC} = 16$ V, $R_L = 8\ \Omega$



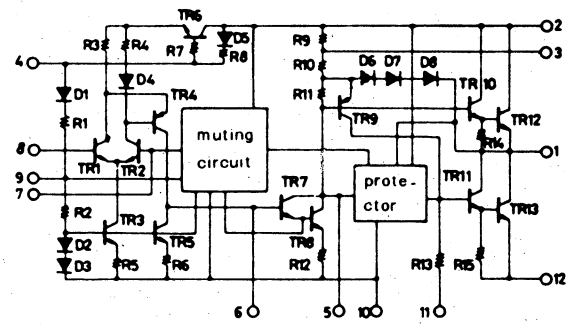
ECG1385 14-Pin DIP-W See Fig. L133

IC-AF PO, 3.8 W, $V_{CC} = 9$ V, $R_L = 8\ \Omega$



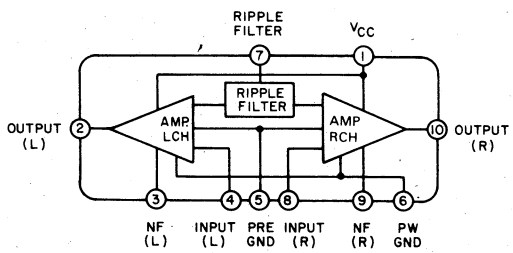
ECG1386 12-Pin SIP-HS See Fig. L91

IC-AF PO, 8 W, $V_{CC} = 25$ V, $R_L = 8\ \Omega$



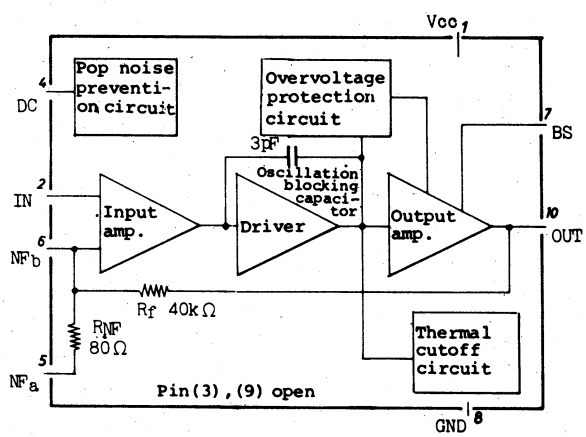
ECG1387 10-Pin SIP-HS See Fig. L85

IC-Dual AF PO, 2.4 W, $V_{CC} = 14\ V_{DC}$, $R_L = 8\ \Omega$



ECG1388 10-Pin SIP-HS See Fig. L88

IC-AF PO, 5.8 W, $V_{CC} = 13.2$ V, $R_L = 4\ \Omega$

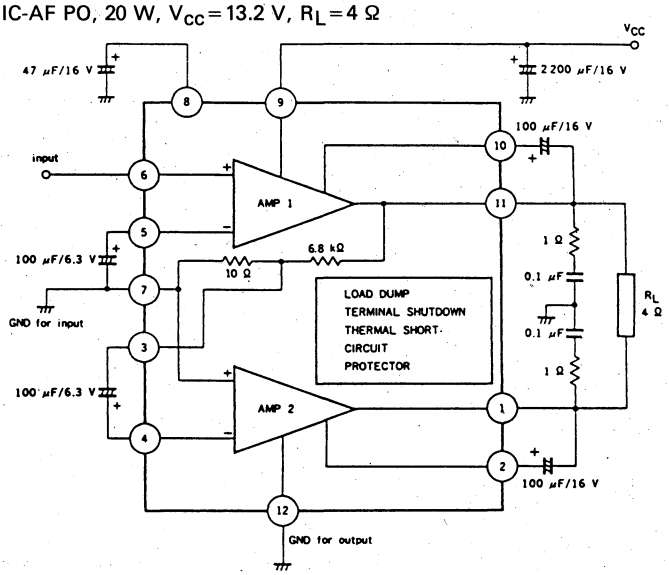


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

ECG1389 12-Pin SIP See Fig. L57

IC-AF PO, 20 W, V_{CC} = 13.2 V, R_L = 4 Ω

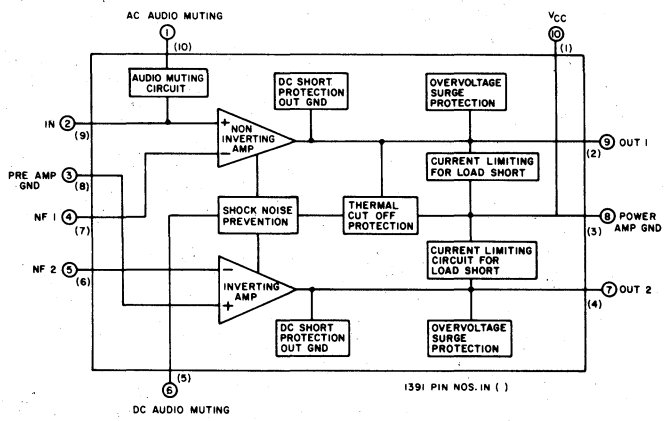


ECG1390 10-Pin SIP See Fig. L52

IC-AF PO, 12 W, V_{CC} = 13.2 V, R_L = 4 Ω

ECG1391 10-Pin SIP See Fig. L53

IC-AF PO, 12 W, V_{CC} = 13.2 V, R_L = 4Ω

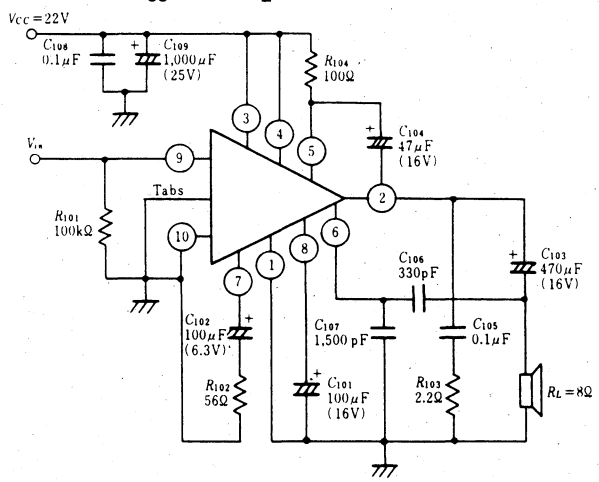


ECG1392 10-Pin SIP-HS See Fig. L83

IC-AF PO, 7 W, V_{CC} = 22 V, R_L = 8 Ω

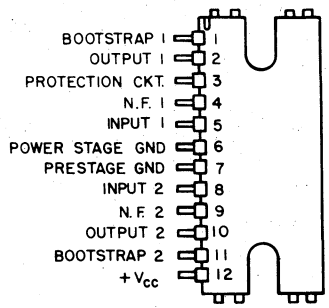
ECG1393 10-Pin SIP-HS See Fig. L82

IC-AF PO, 7 W, V_{CC} = 22 V, R_L = 8 Ω



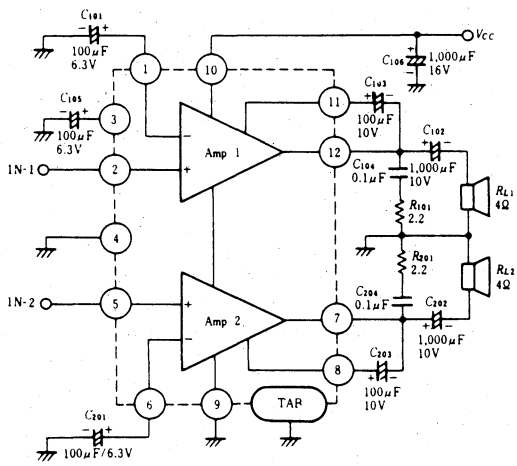
ECG1394 12-Pin SIP See Fig. L56

IC-Dual AF PO, 5.5 W, Bridge (BTL), 17 W, V_{CC} = 13.2 V, R_L = 4 Ω



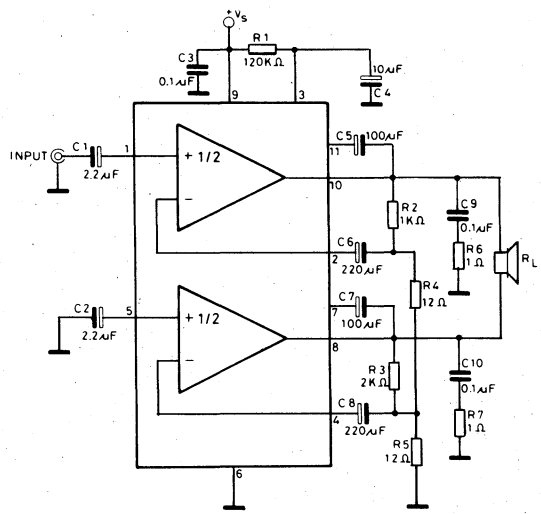
ECG1395 12-Pin SIP-HS See Fig. L92

IC-Dual AF PO, 5.8 W, V_{CC}13.2 V, R_L = 4 Ω



ECG1396 11-Pin SIP-HS See Fig. L93

IC-Dual AF PO, 6.5 W, Bridge (BTL), 20 W, V_{CC} = 14.4 V, R_L = 4 Ω



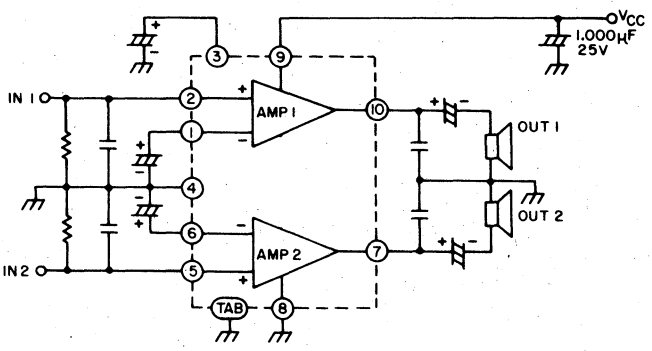
Package Outlines - See Page 1-297

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Linear IC and Module Circuits (cont'd)

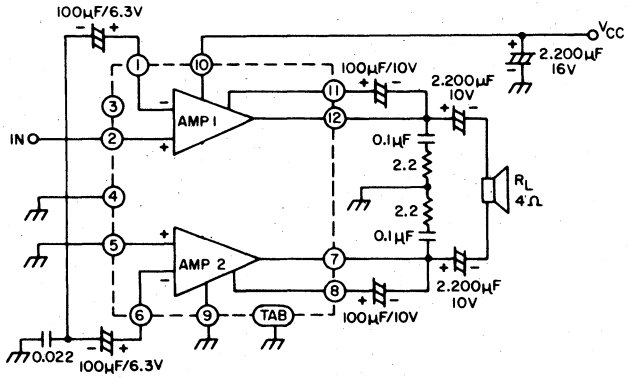
ECG1397 10-Pin SIP-HS See Fig. L83

Dual AF PO, 4 W, V_{CC} = 17 V, R_L = 8 Ω



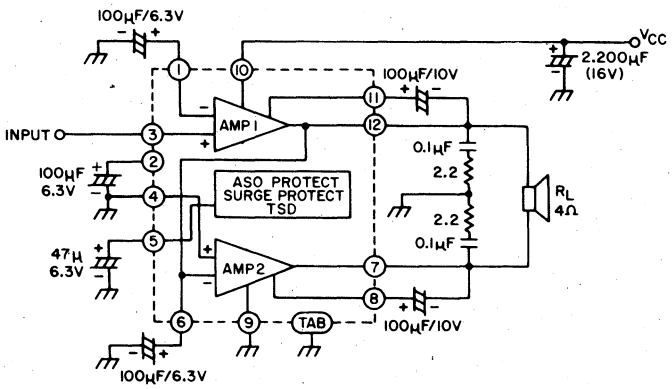
ECG1398 12-Pin SIP-HS See Fig. L92

Dual AF PO, 5.8 W, Bridge (BTL) 17 W, V_{CC} = 13.2 V, R_L = 4 Ω



ECG1399 12-Pin SIP-HS See Fig. L92

AF PO, 18 W, V_{CC} = 13.2 V, R_L = 4 Ω

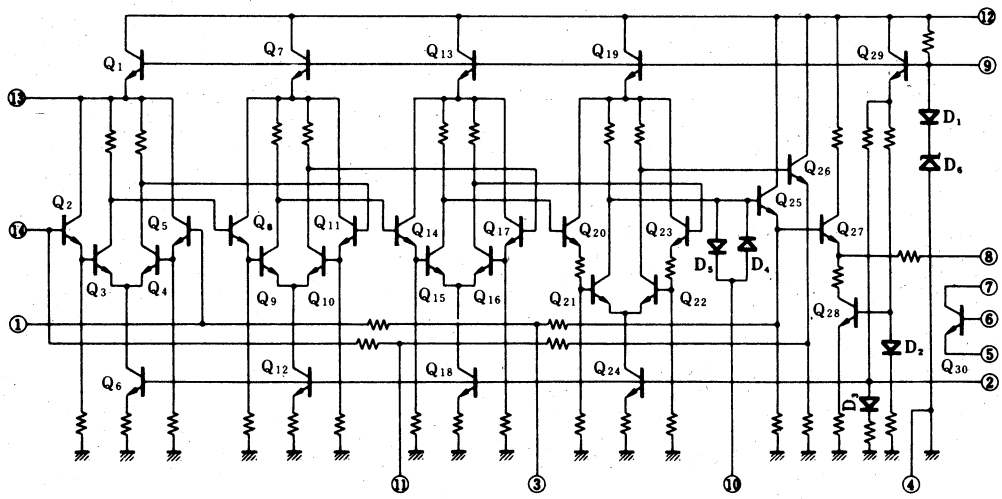


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Linear IC and Module Circuits (cont'd)

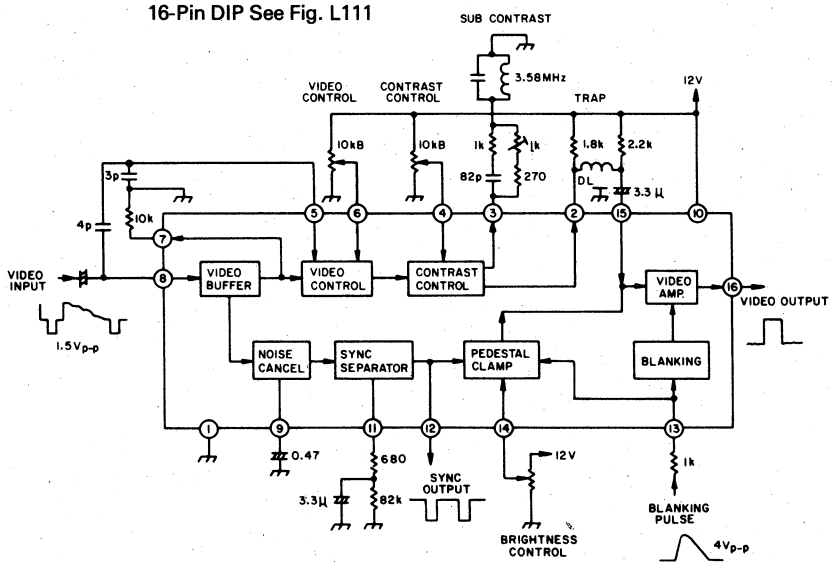
ECG1400 14-Pin DIP See Fig. L104

IC-FM Limiter



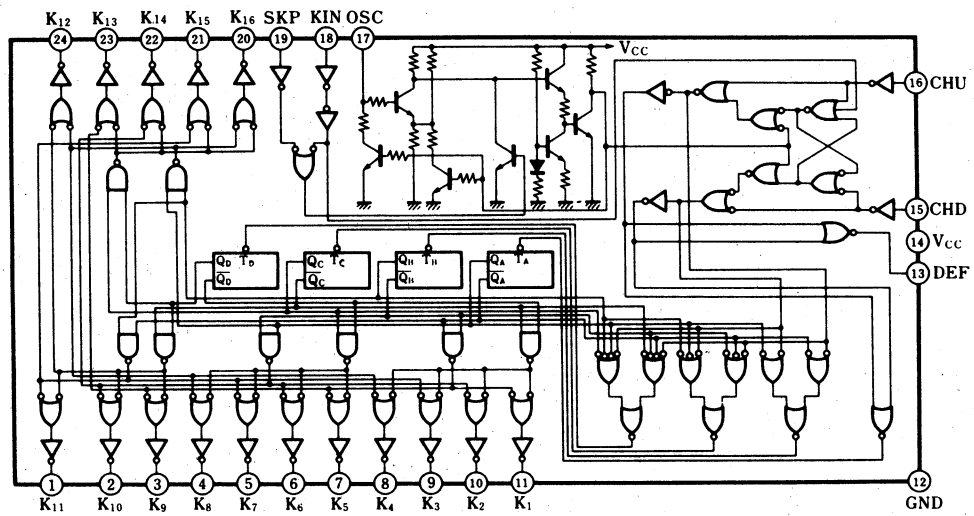
ECG1401 16-Pin DIP See Fig. L111

IC-TV Video Amp



ECG1402 24-Pin DIP See Fig. L122

IC-Electronic Channel Selector Circuit



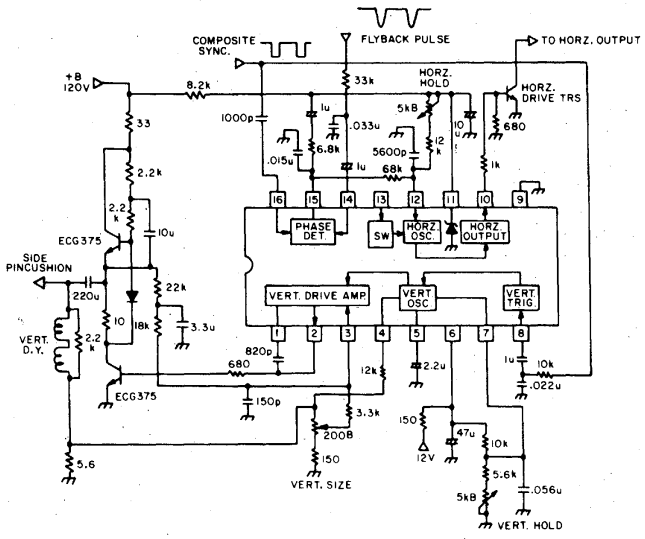
Package Outlines - See Page 1-297

N

Linear IC and Module Circuits (cont'd)

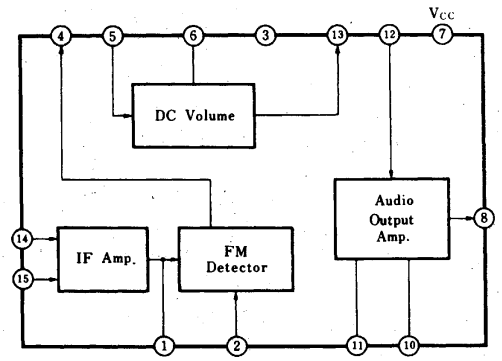
ECG1403 16-Pin DIP See Fig. L111

IC-TV Vertical, Horizontal Driver



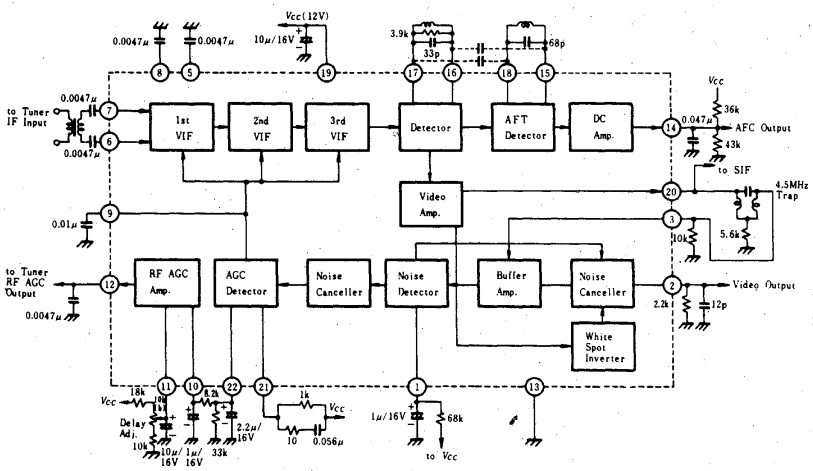
ECG1404 16-Pin DIP-ET See Fig. L151

IC-TV Sound IF Amp, Det, AF PO



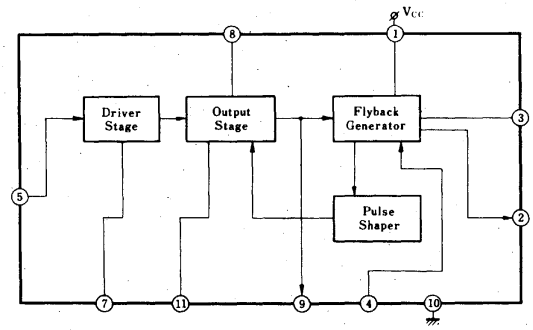
ECG1405 22-Pin DIP See Fig. L121

IC-TV Video IF Amp (Rev AGC)



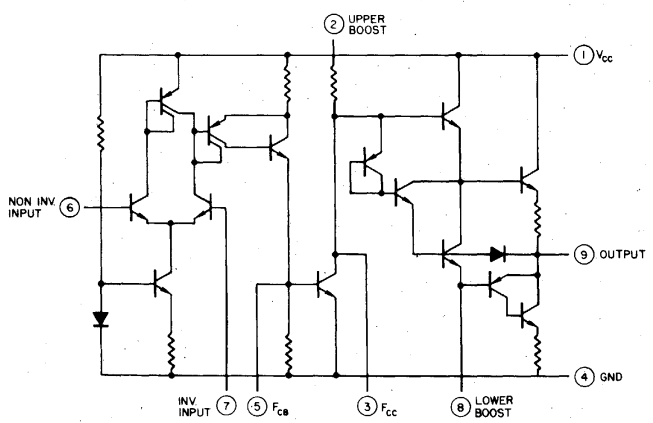
ECG1406 11-Pin SIP See Fig. L54

IC-TV Vertical Deflection Output



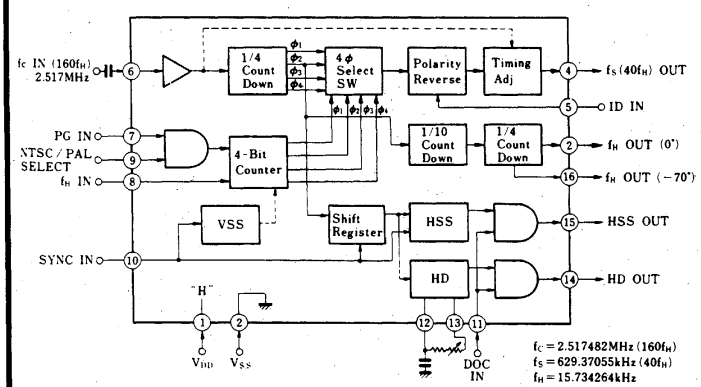
ECG1407 9-Pin SIP-HS See Fig. L81

IC-Audio Pwr Amp, 4.4 W, V_{CC} = 13.2 V, R_L = 4 Ω



ECG1408 16-Pin DIP See Fig. L112

IC-VCR Color Signal Processor (CMOS)

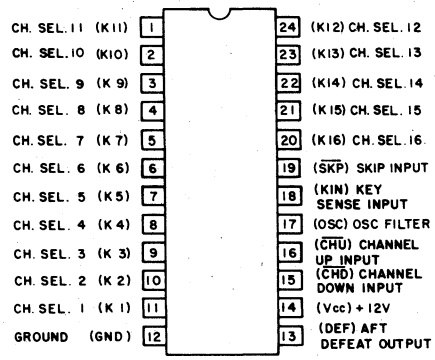


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Linear IC and Module Circuits (cont'd)

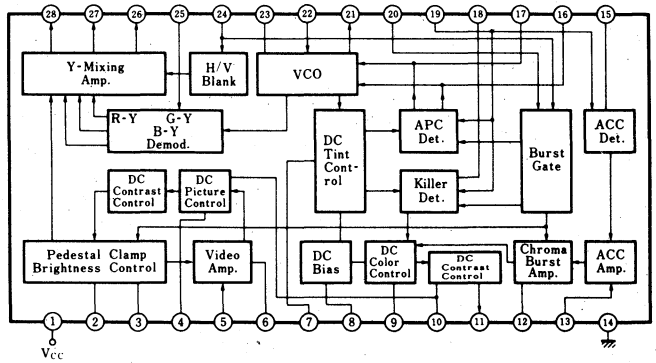
ECG1409 24-Pin DIP See Fig. L122

IC-Electronic Channel Selector



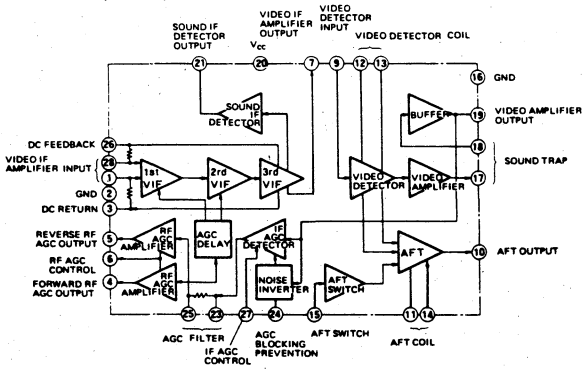
ECG1410 28-Pin DIP See Fig. L124

IC-TV Video and Chroma Processor



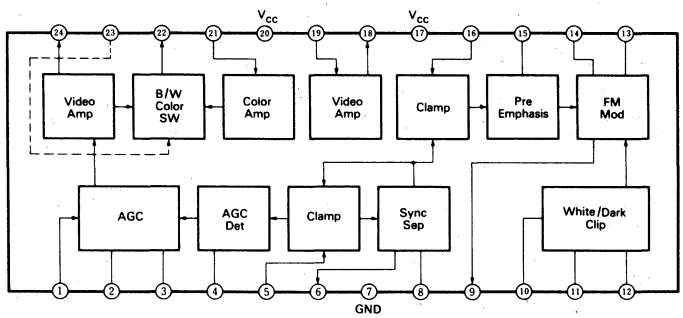
ECG1411 28-Pin DIP See Fig. L124

IC-TV Video IF, AGC, AFT



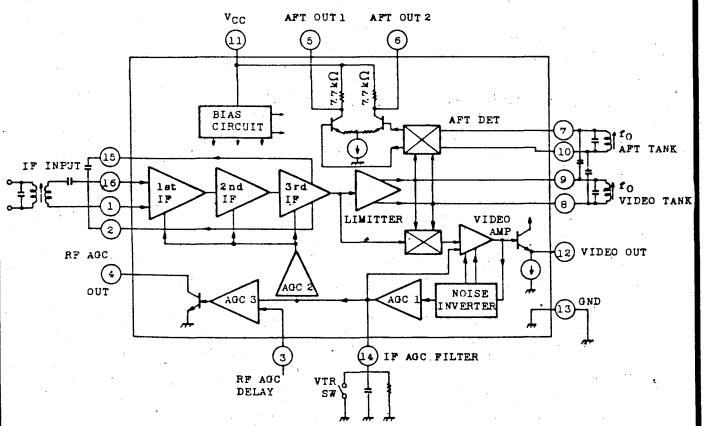
ECG1412 24-Pin DIP See Fig. L122

IC-VCR Video Signal Processor



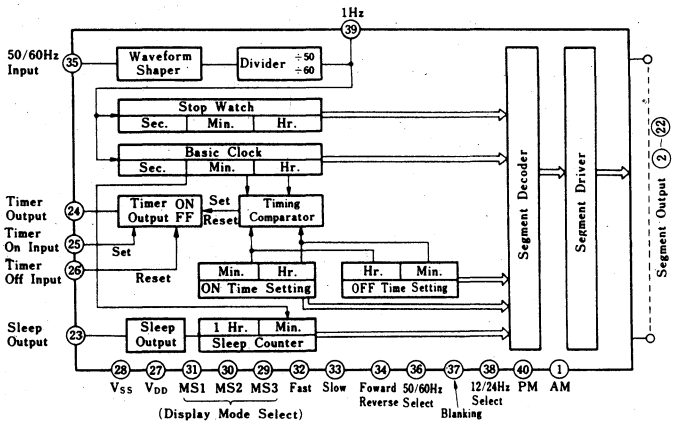
ECG1413 16-Pin DIP See Fig. L111

IC-VIF Video AGC Amp w/AFT



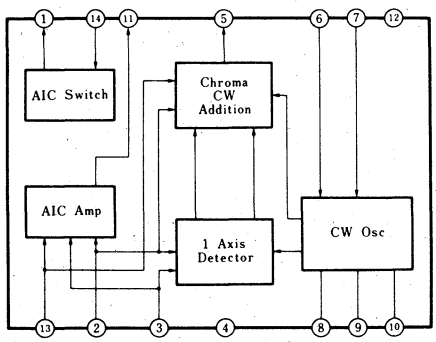
ECG1414 40-Pin DIP See Fig. L125

IC-VCR Digital Clock, Timer (CMOS)



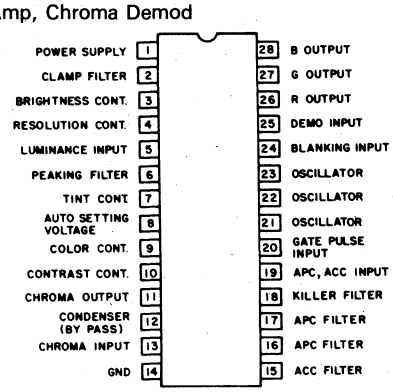
ECG1415 14-Pin DIP See Fig. L104

IC-TV Color Compensation Ckt



ECG1416 28-Pin DIP See Fig. L124

IC-Luminance Amp, Chroma Demod



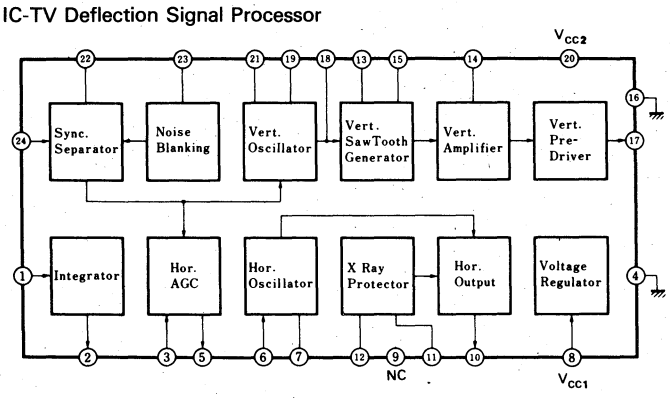
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Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

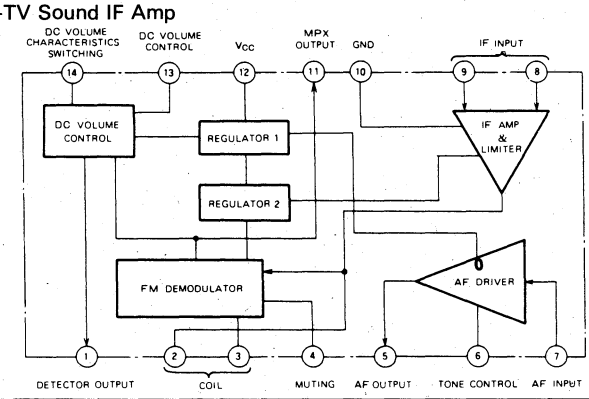
ECG1417 24-Pin DIP See Fig. L122

IC-TV Deflection Signal Processor



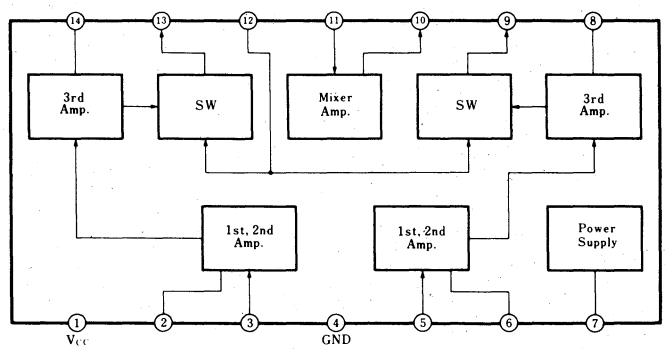
ECG1418 14-Pin DIP See Fig. L105

IC-TV Sound IF Amp



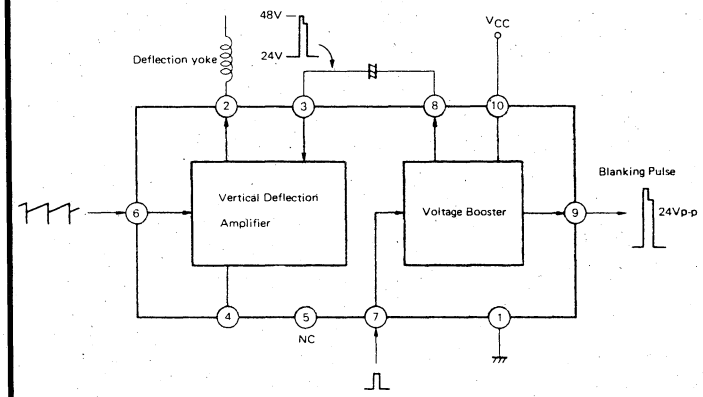
ECG1419 14-Pin DIP See Fig. L104

IC-VCR Head Amp



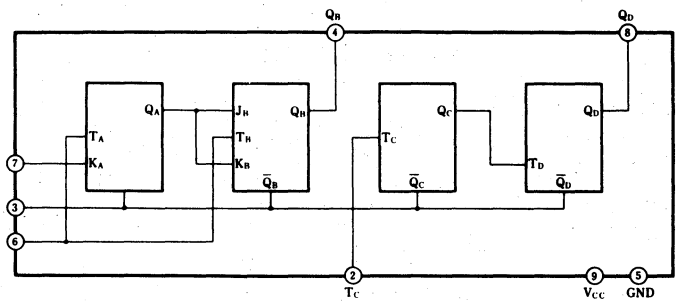
ECG1420 10-Pin SIP-HS See Fig. L90

IC-TV Vert Output



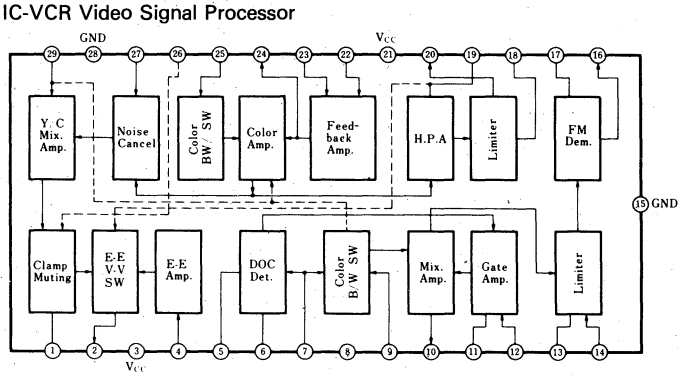
ECG1421 9-Pin SIP See Fig. L41

IC-VCR Freq Divider



ECG1422 28-Pin DIP-HS See Fig. L154

IC-VCR Video Signal Processor

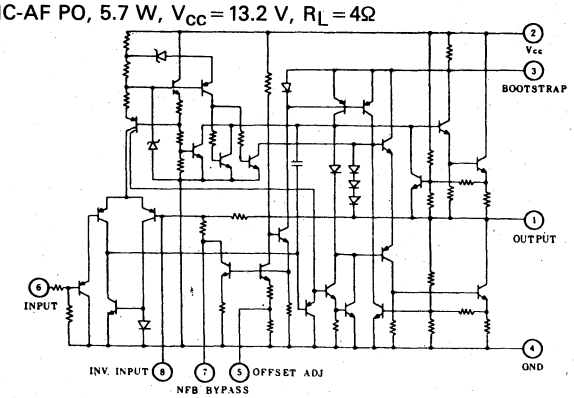


ECG1423 8-Pin SIP-HS See Fig. L77

IC-AF PO, 5.7 W, V_{CC} = 13.2 V, R_L = 4Ω

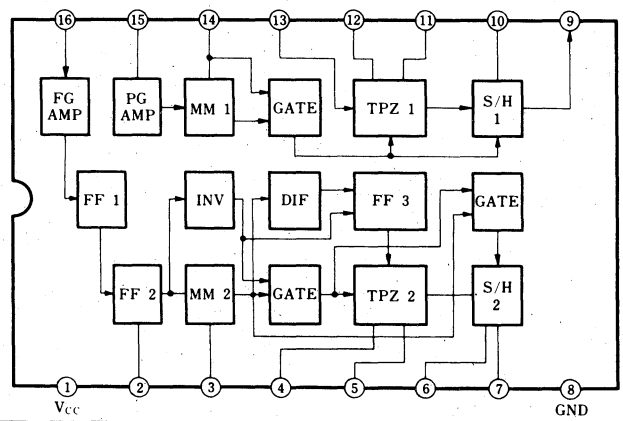
ECG1424 8-Pin SIP-HS See Fig. L78

IC-AF PO, 5.7 W, V_{CC} = 13.2 V, R_L = 4Ω



ECG1425 16-Pin DIP See Fig. L111

IC-VCR Capstan Servo Control

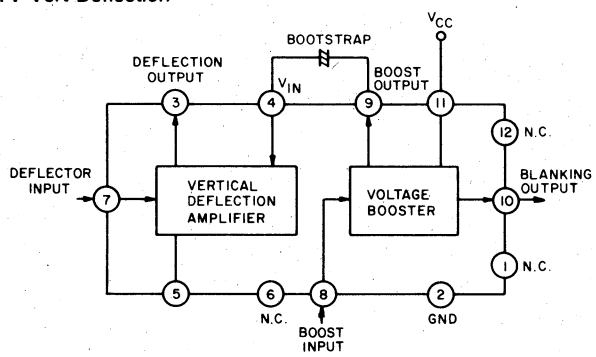


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Linear IC and Module Circuits (cont'd)

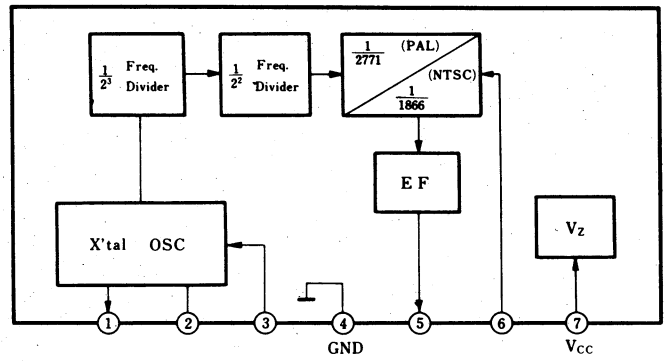
ECG1426 12-Pin SIP See Fig. L57

IC-TV Vert Deflection



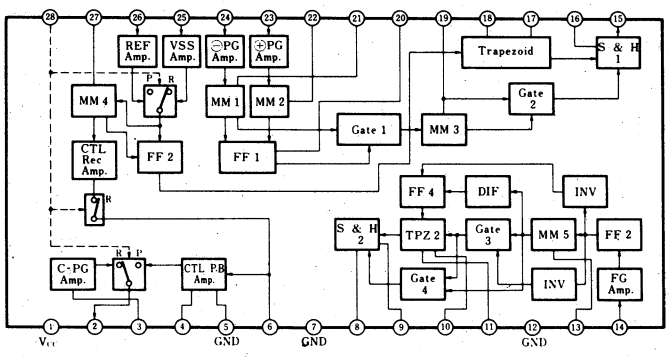
ECG1427 7-Pin SIP See Fig. L27

IC-VCR Reference Freq Divider



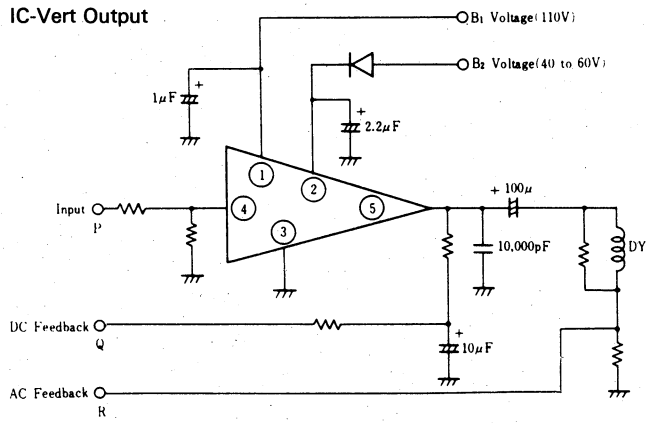
ECG1428 28-Pin DIP See Fig. L124

IC-VCR Cylinder Servo Control



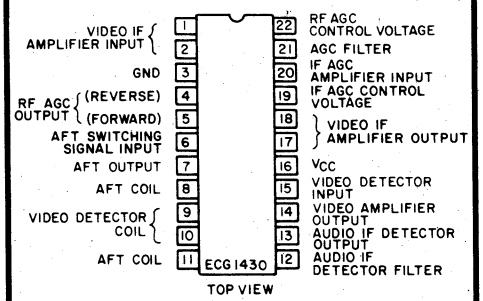
ECG1429 TO-220, 5-Pin See Fig. L19

IC-Vert Output



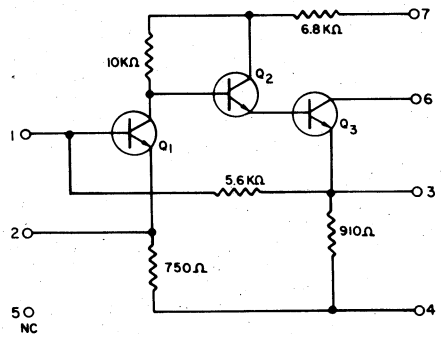
ECG1430 22-Pin DIP See Fig. L121

IC-TV VIF Amp, Det, AFT, AGC and Video Amp



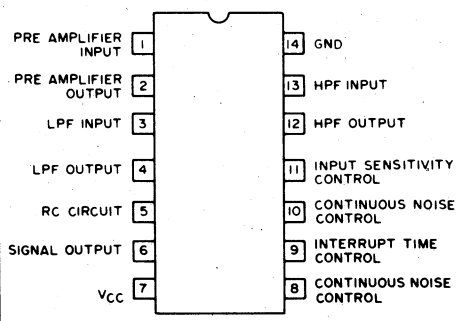
ECG1431 7-Pin SIP See Fig. L26

IC-Audio Driver



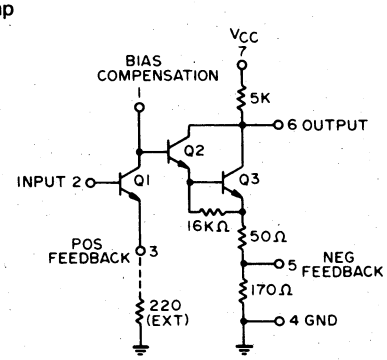
ECG1432 14-Pin DIP See Fig. L104

IC-FM Noise Canceller (Auto Ignition)



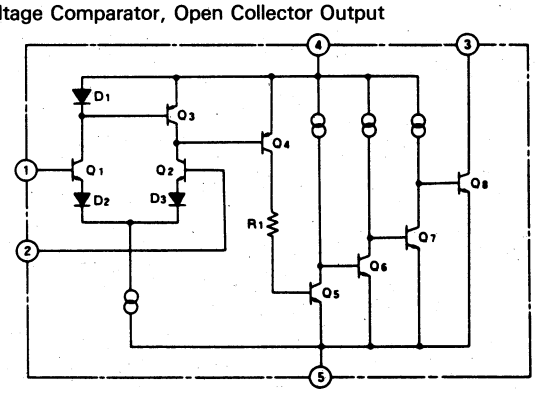
ECG1433 7-Pin SIP See Fig. L26

IC-Audio Preamp



ECG1434 5-Pin SIP See Fig. L22

IC-Voltage Comparator, Open Collector Output



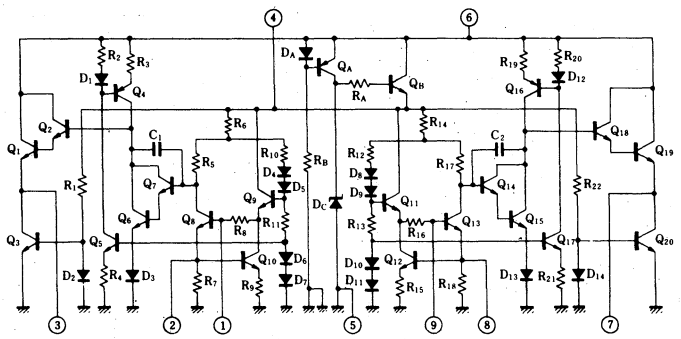
Package Outlines - See Page 1-297

N

Linear IC and Module Circuits (cont'd)

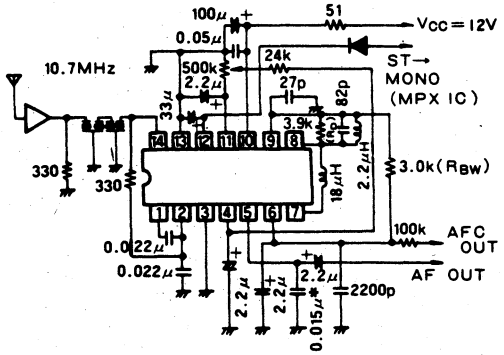
ECG1435 9-Pin SIP See Fig. L41

IC-Dual Audio Preamp



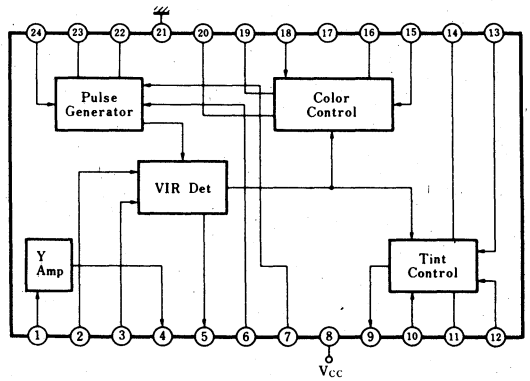
ECG1436 14-Pin DIP See Fig. L104

IC-FM IF Amp, Limiter, Det, AFC, Stereo-Mono Switch



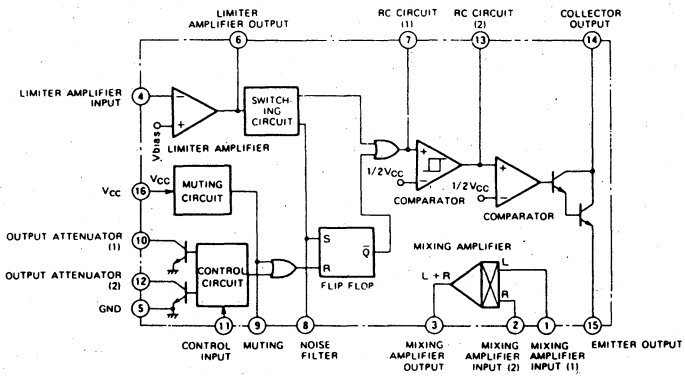
ECG1437 24-Pin DIP See Fig. L122

IC-VIR Signal Processor



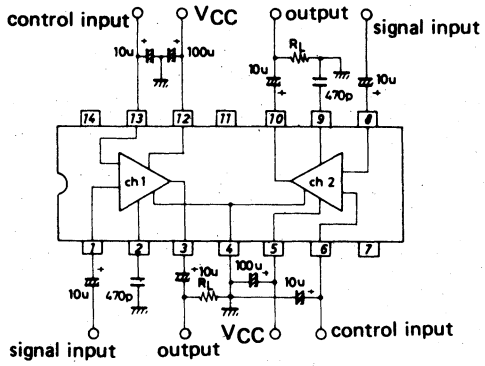
ECG1438 16-Pin ZIL See Fig. L47

IC-Audio Tape Program Selector



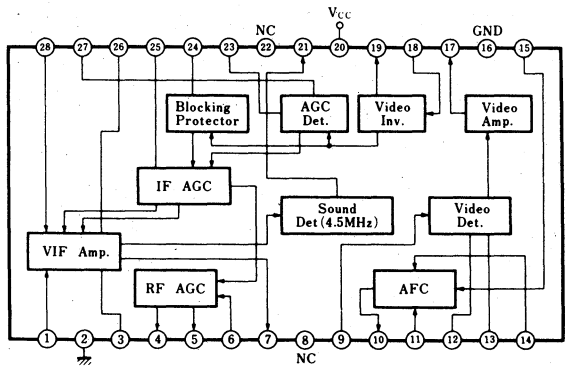
ECG1439 14-Pin DIP-ET See Fig. L140

IC-Dual Attenuator, V_{CC} = 12 V



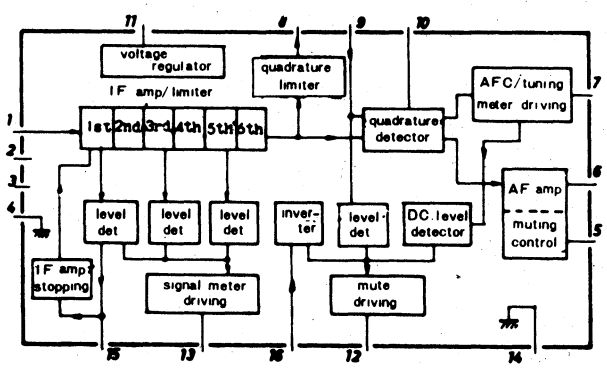
ECG1440 28-Pin DIP See Fig. L124

IC-Video IF Amp, Det, AGC, AFC



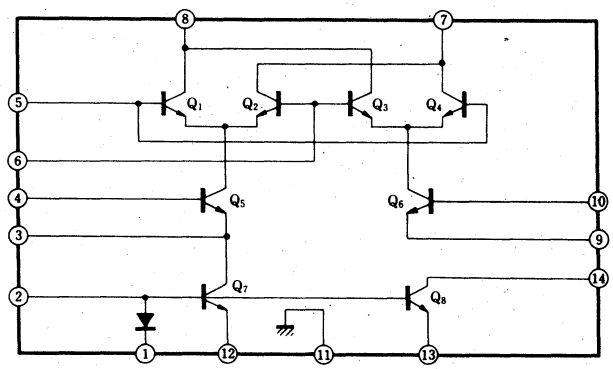
ECG1441 16-Pin DIP See Fig. L111

IC-FM IF Amp, Limiter, Det, AF Amp



ECG1442 14-Pin DIP See Fig. L104

IC-Balanced Modulator, 10 MHz BW

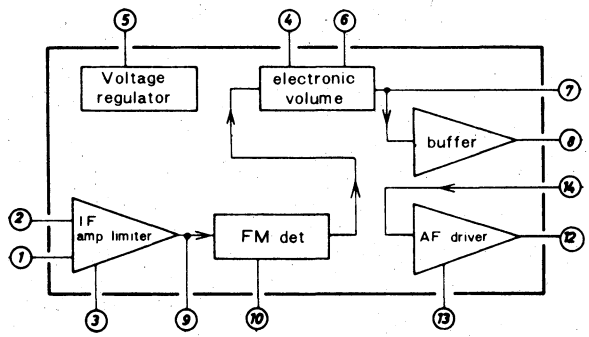


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

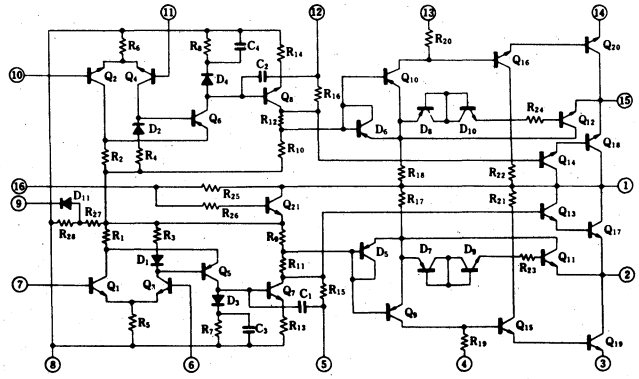
ECG1443 14-Pin DIP See Fig. L104

IC-TV Sound IF Amp



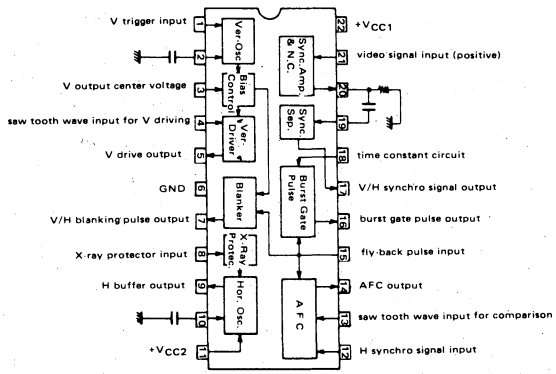
ECG1444 16-Pin DIP See Fig. L109

IC-Dual Audio Pwr Amp, 3 W, V_{CC} = 16 V, R_L = 8 Ω



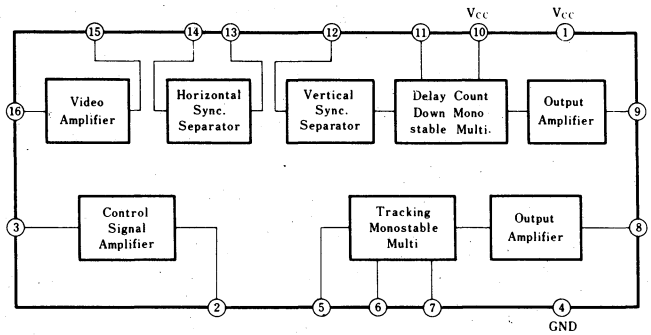
ECG1445 22-Pin DIP See Fig. L121

IC-Horiz/Vert Osc, AFC, Sync Sep



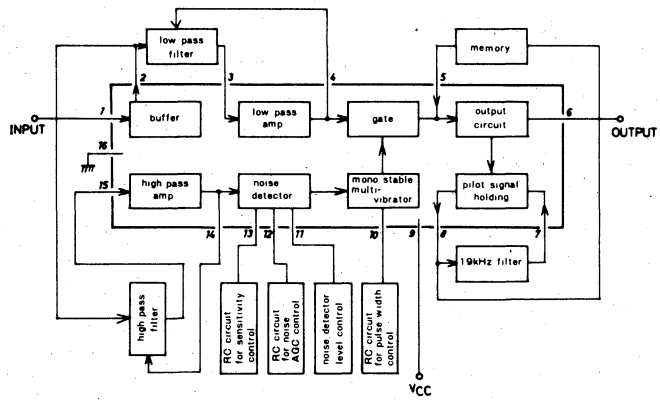
ECG1446 16-Pin DIP See Fig. L112

IC-VCR Servo Control



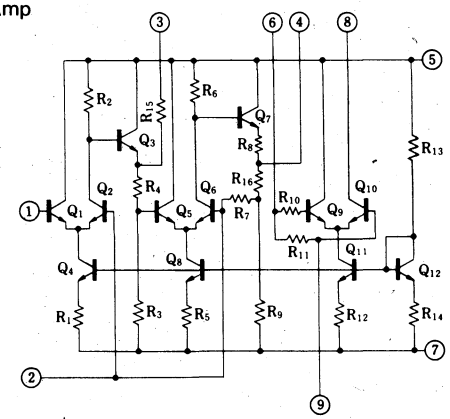
ECG1447 16-Pin DIP See Fig. L111

IC-FM Noise Canceller (Auto Ignition)



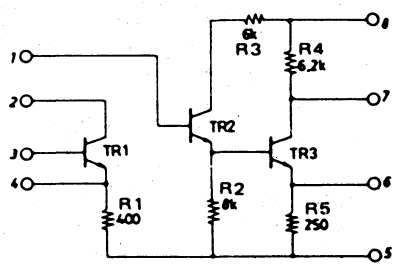
ECG1448 9-Pin SIP See Fig. L41

IC-FM IF Amp



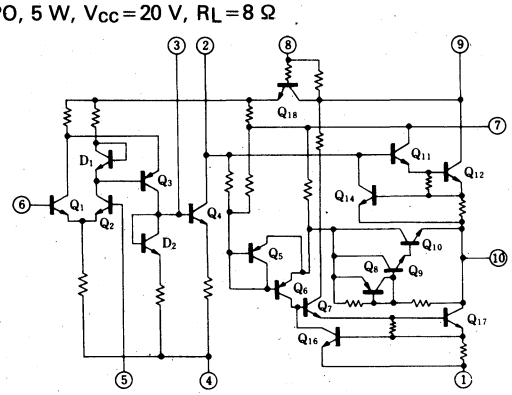
ECG1449 8-Pin SIP See Fig. L32

IC-Lo Noise Equalizer Amp, V_{CC} = 30 V, V_G = 89 dB



ECG1450 10-Pin DIP See Fig. L102

IC-AF PO, 5 W, V_{CC} = 20 V, R_L = 8 Ω



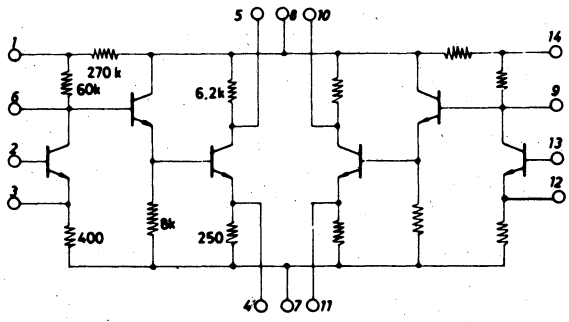
Package Outlines - See Page 1-297

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Linear IC and Module Circuits (cont'd)

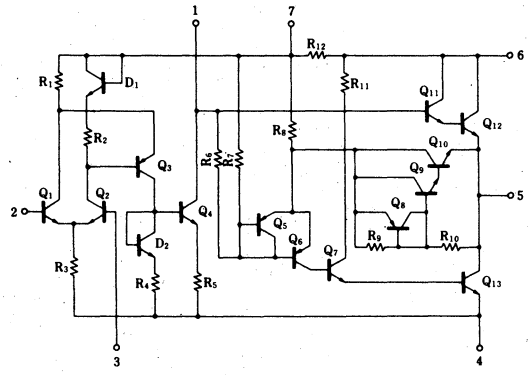
ECG1451 14-Pin DIP See Fig. L104

IC-Dual Channel Equalizer Amp, $V_{CC}=30$ V, $V_G=89$ dB



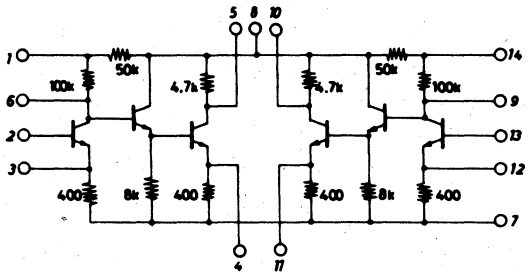
ECG1452 7-Pin SIP See Fig. L27

IC-AF PO, 1 W, $V_{CC}=9$ V, $R_L=8\ \Omega$



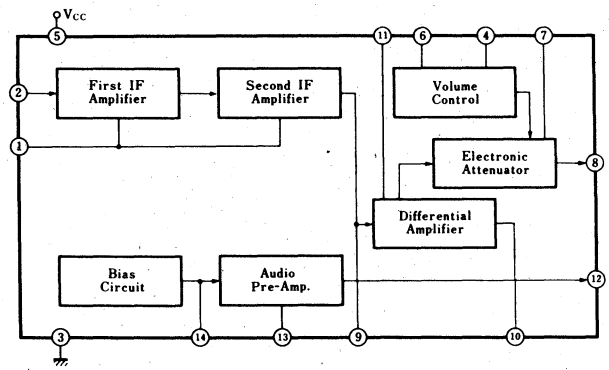
ECG1453 14-Pin DIP See Fig. L104

IC-Dual Channel Equalizer Amp, $V_{CC}=15$ V, $V_G=88$ dB



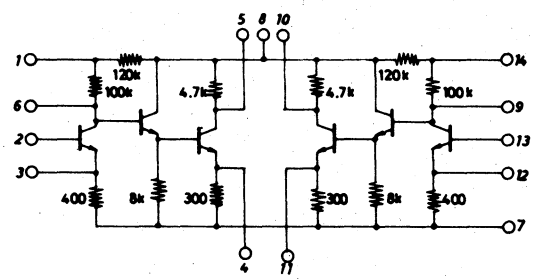
ECG1454 14-Pin DIP See Fig. L104

IC-Sound IF Amp, FM Det



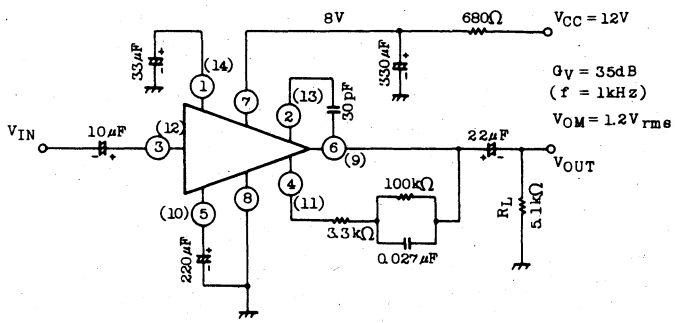
ECG1455 14-Pin DIP See Fig. L104

IC-Dual Channel Equalizer Amp, $V_{CC}=20$ V, $V_G=90$ dB



ECG1456 14-Pin DIP See Fig. L104

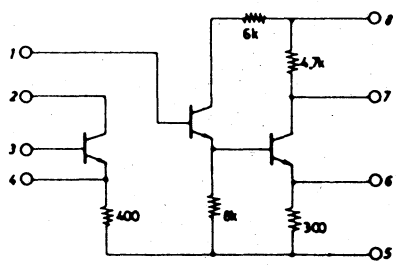
IC-Dual Audio Preamp, $V_{CC}=8$ V, $V_G=46$ dB min



Pins in ( ) are 2nd channel.

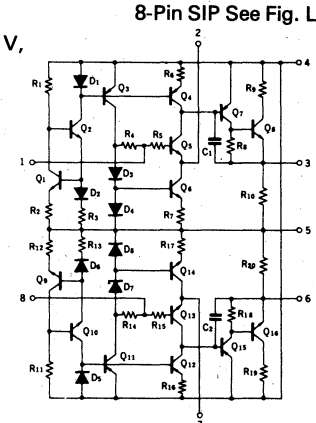
ECG1457 8-Pin SIP See Fig. L32

IC-Lo Noise Audio Preamp, $V_{CC}=20$ V, $V_G=89$ dB, $R_L=47$ KΩ



ECG1458 8-Pin SIP See Fig. L35

IC-Dual Audio Preamp, $V_{CC}=13.2$ V, $V_G=88$ dB, $R_L=10$ KΩ

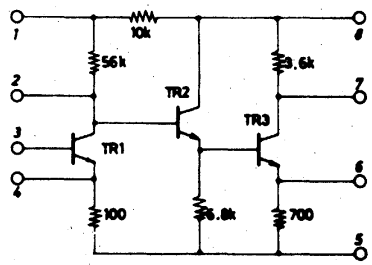


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

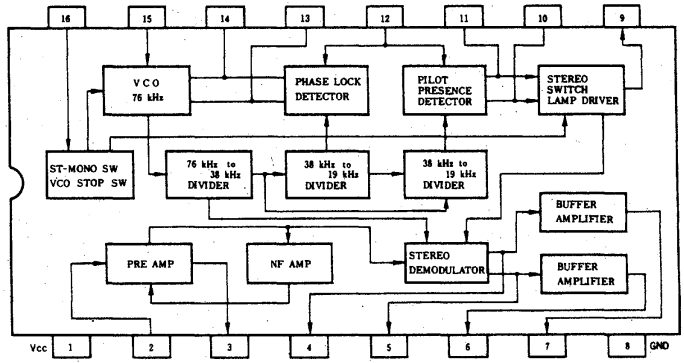
ECG1459 8-Pin SIP See Fig. L32

IC-Lo Noise Equalizer Amp, V_{CC} = 9 V, V_G = 79 dB



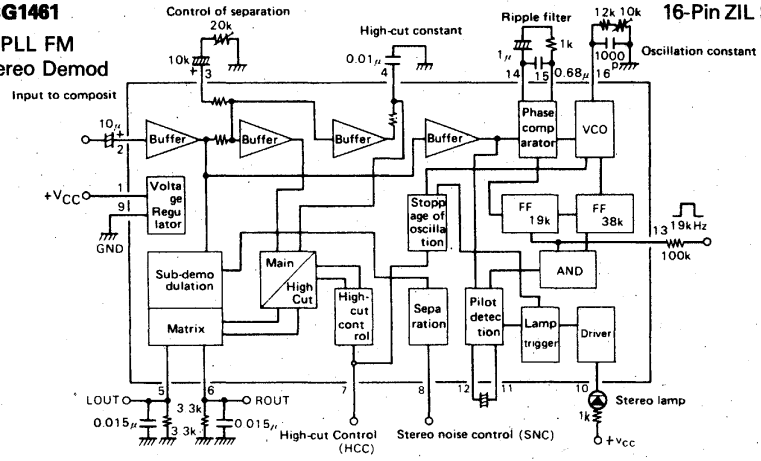
ECG1460 16-Pin DIP See Fig. L111

IC-Stereo Demod w/PLL, Stereo/Mono Sw, Stereo Indicator, Lamp Driver



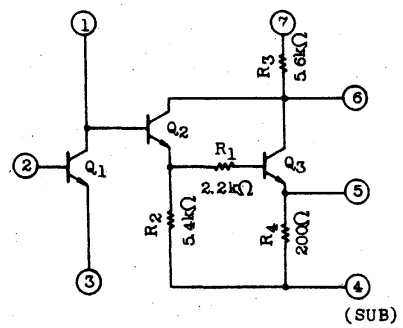
ECG1461 16-Pin ZIL See Fig. L46

IC-PLL FM Stereo Demod



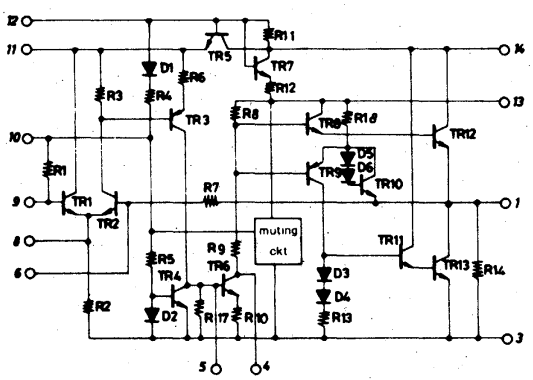
ECG1462 7-Pin SIP See Fig. L24

IC-Audio Preamp, V_{CC} = 35 V, V_G = 40 dB



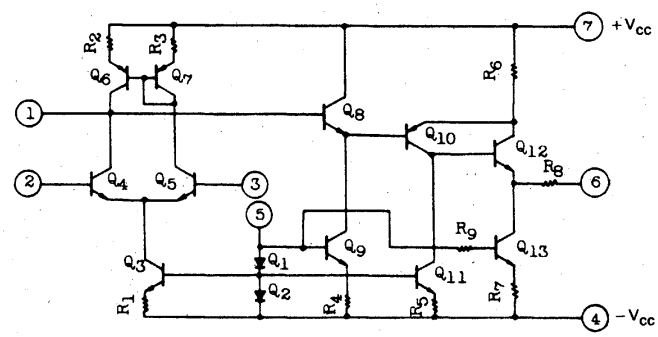
ECG1463 14-Pin DIP-ET See Fig. L144

IC-AF PO, 2.3 W, V_{CC} = 9 V, R_L = 4 Ω



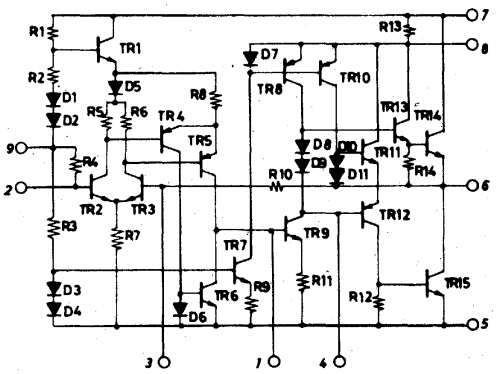
ECG1464 7-Pin SIP See Fig. L24

IC-Audio Preamp, V_{CC} = ±15 V, V_G = 92 dB



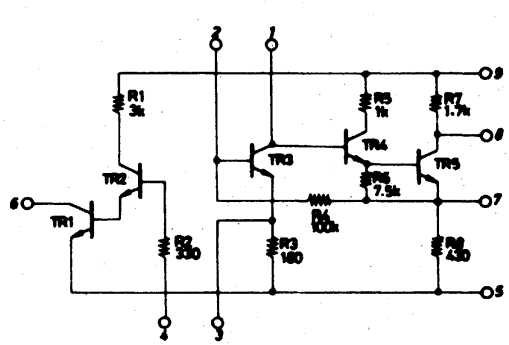
ECG1465 9-Pin SIP See Fig. L36

IC-AF PO, 500 mW, V_{CC} = 6 V, R_L = 8 Ω



ECG1466 9-Pin SIP See Fig. L39

IC-Audio Preamp, V_{CC} = 5 V, V_G = 35 dB



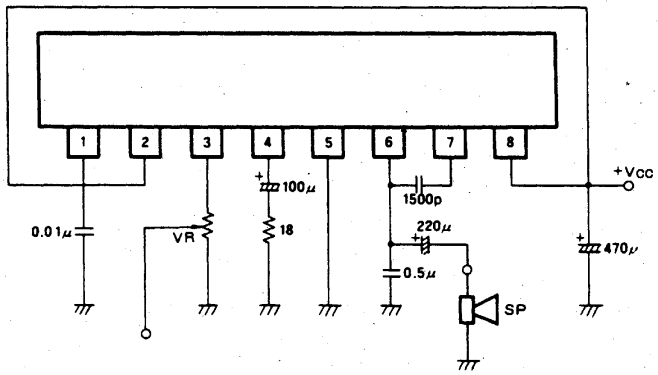
Package Outlines - See Page 1-297

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Linear IC and Module Circuits (cont'd)

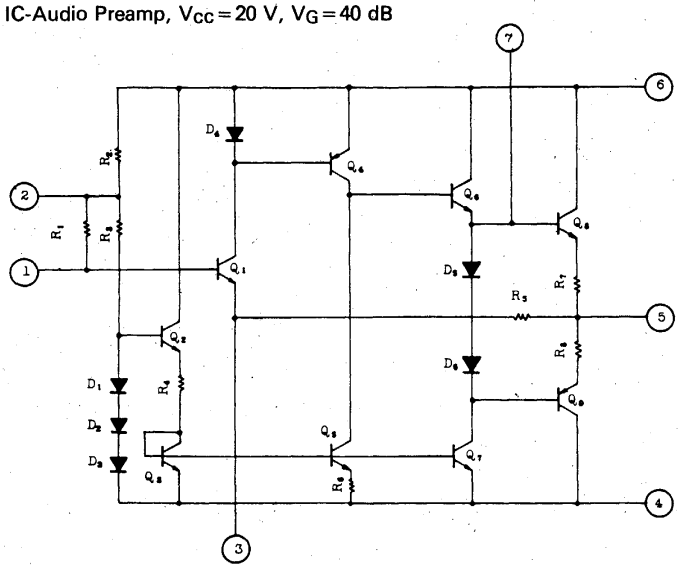
ECG1467 8-Pin SIP See Fig. L35

IC-AF PO, 500 mW, V_{CC} = 6 V, R_L = 8 Ω



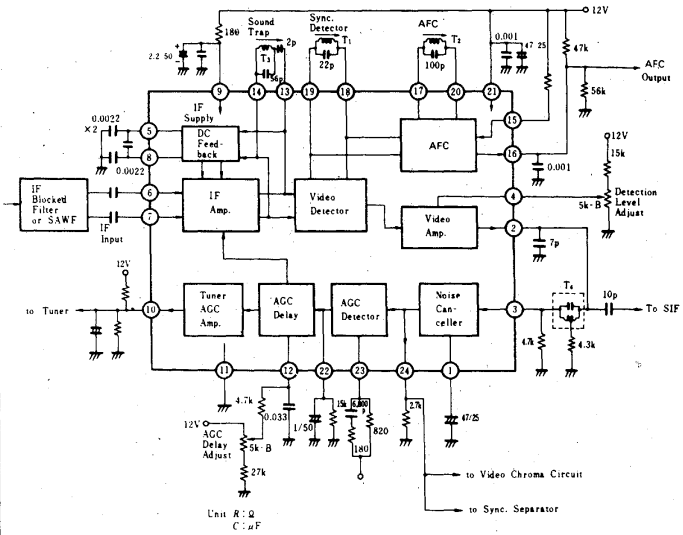
ECG1468 7-Pin SIP See Fig. L24

IC-Audio Preamp, V_{CC} = 20 V, V_G = 40 dB



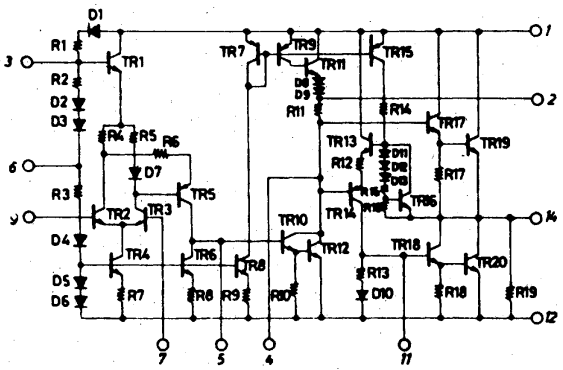
ECG1469 24-Pin DIP See Fig. L122

IC-TV Video IF Amp, Det, AGC, AFC and Noise Filter



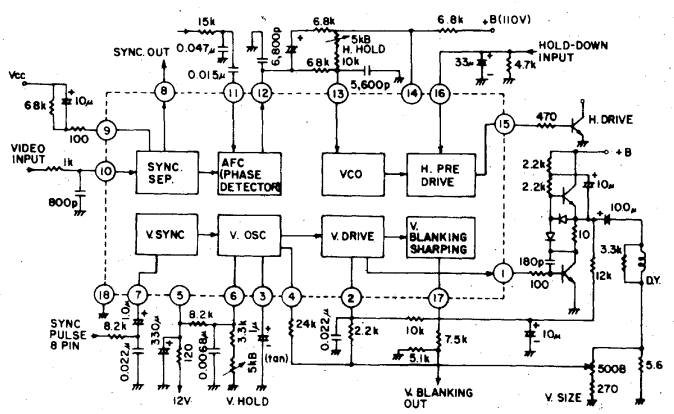
ECG1470 14-Pin DIP-ET See Fig. L144

IC-AF PO, 2.5 W, V_{CC} = 14 V, R_L = 8 Ω



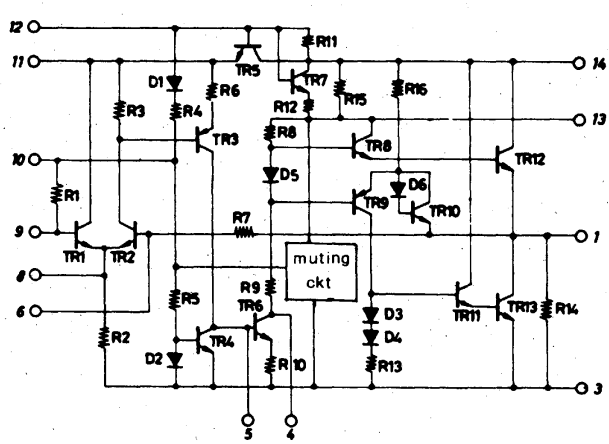
ECG1471 16 + 2-Pin DIP-ET See Fig. L114

IC-TV Horiz Osc, AFC, Sync Sep, Vert Osc and Blanking Pulse Gen



ECG1472 14-Pin DIP-ET See Fig. L144

IC-AF PO, 1 W, V_{CC} = 6 V, R_L = 4 Ω

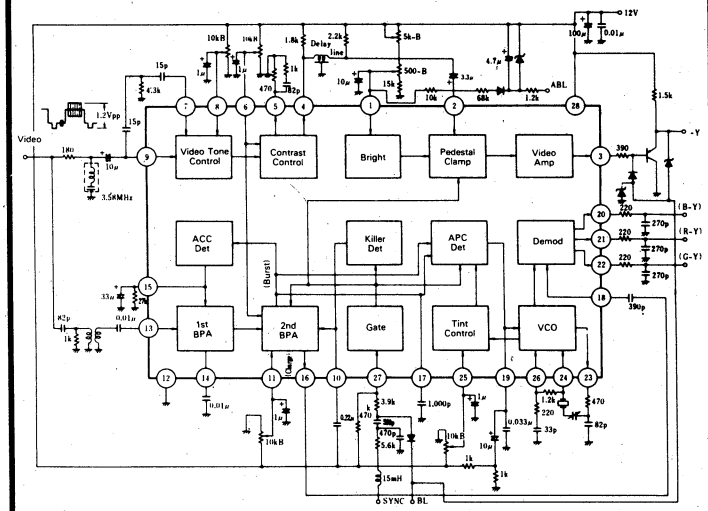


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

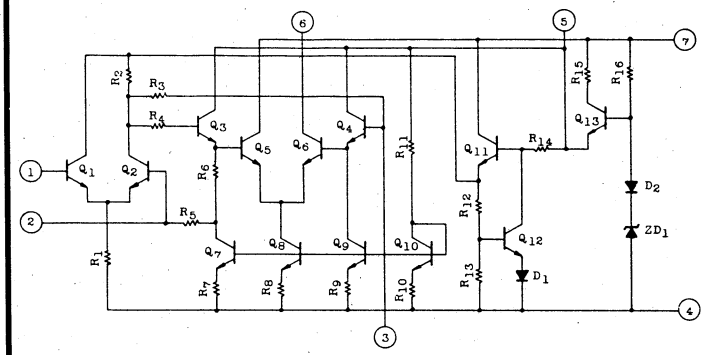
ECG1473 28-Pin DIP See Fig. L124

IC-TV Chroma and Video Processor



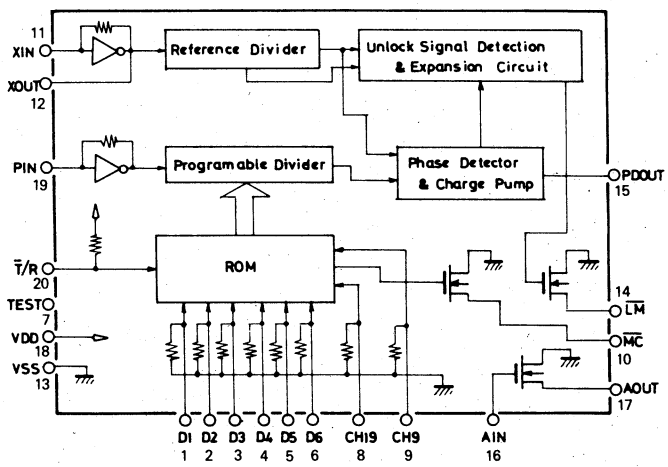
ECG1474 7-Pin SIP See Fig. L24

IC-FM IF Amp, V_{CC} = 12 V, V_G = 34 dB



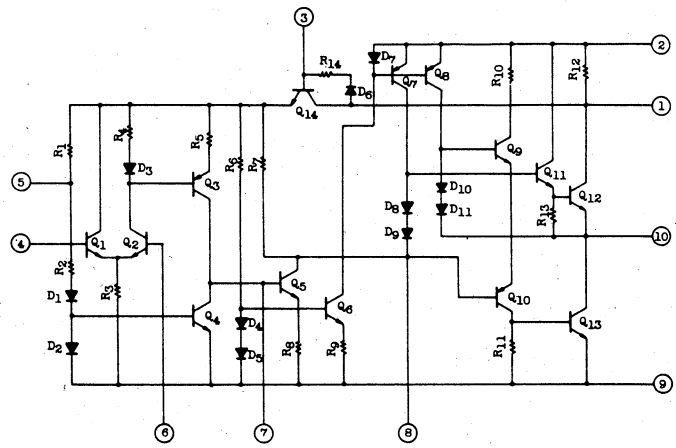
ECG1475 20-Pin DIP See Fig. L118

IC-CB PLL Freq Synthesizer (CMOS)



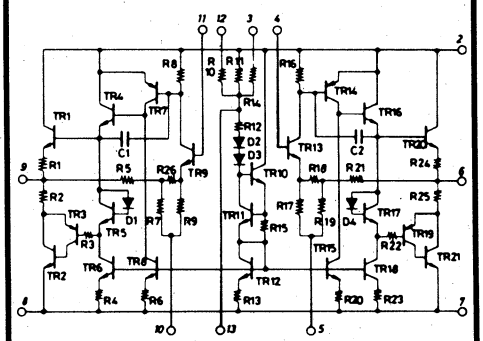
ECG1476 10-Pin SIP-HS See Fig. L85

IC-AF PO, 1.4 W, V_{CC} = 7.5 V, R_L = 4 Ω



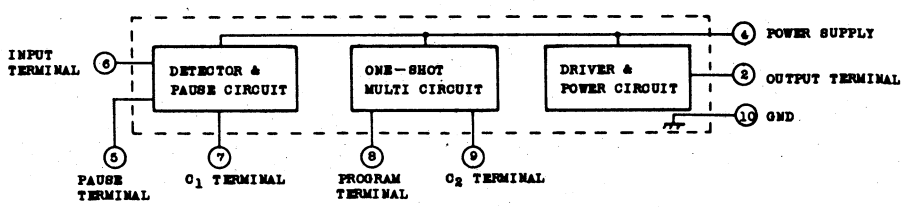
ECG1477 14-Pin DIP-ET See Fig. L144

IC-Dual Lo Pwr AF PO or Driver, V_{CC} = 14 V, V_G = 9 dB, R_L = 8 Ω



ECG1478 10-Pin SIP-HS See Fig. L86

IC-Solenoid Driver and Signal Sensing Ckt, V_{CC} = 13.2 V, 4 A



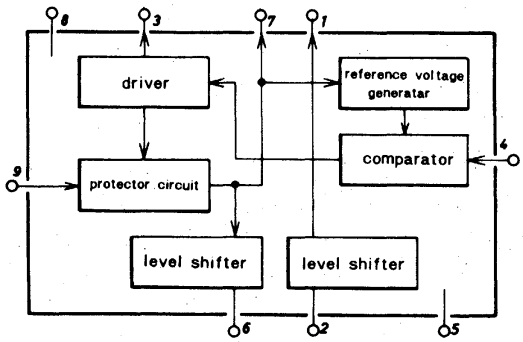
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Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

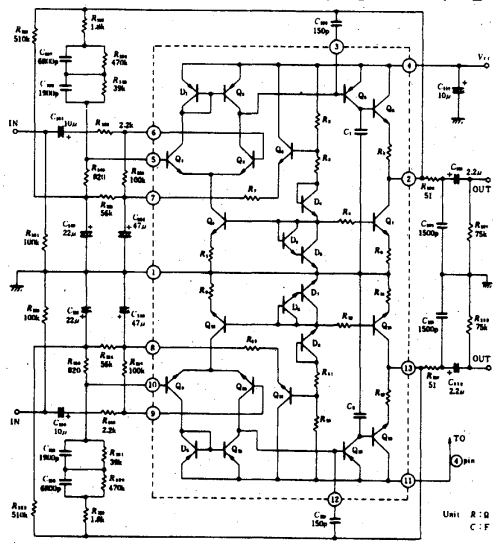
ECG1479 9-Pin SIP See Fig. L36

IC-TV Pwr Supply Controller



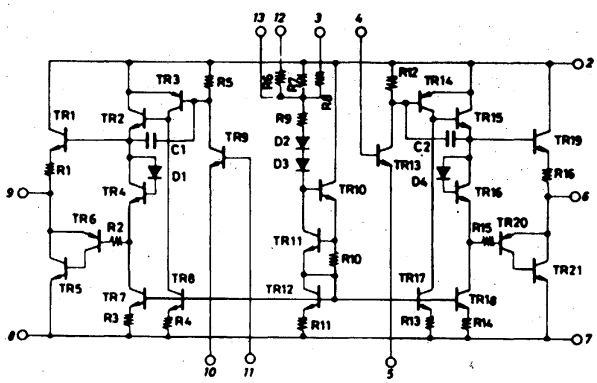
ECG1480 14-Pin DIP See Fig. L104

IC-Dual Channel Audio Preamp, $V_{CC}=25$ V, $V_G=95$ dB, $R_L=75$ KΩ



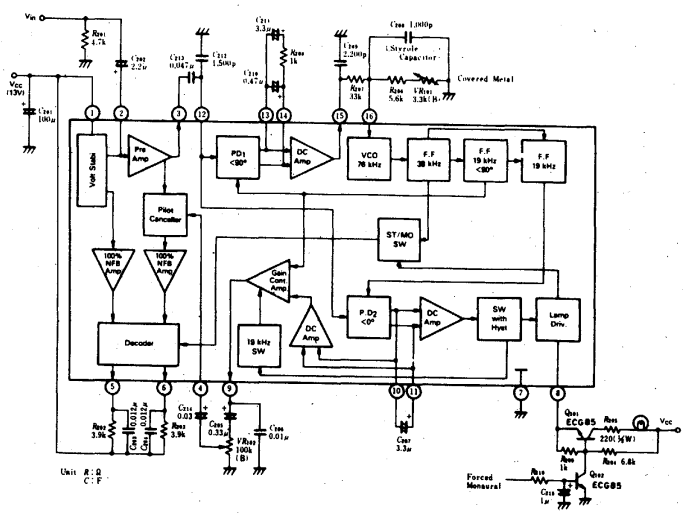
ECG1481 14-Pin DIP-ET See Fig. L144

IC-Dual Channel Audio Amp, Headphone Amp, Line Amp, $V_{CC}=12$ V, $V_G=38$ dB, $R_L=39$ Ω



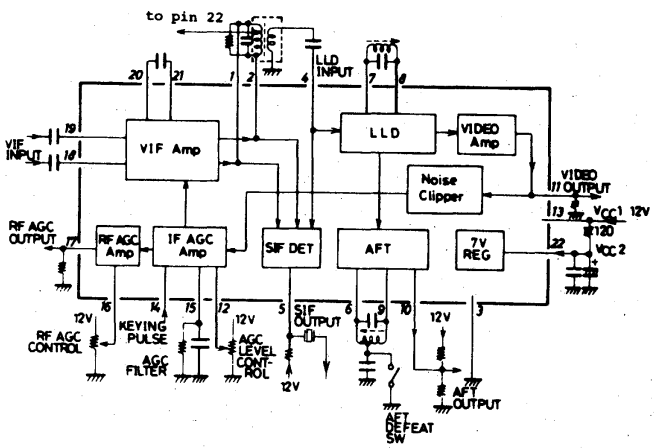
ECG1482 16-Pin DIP See Fig. L112

IC-FM PLL Stereo Demod w/Pilot Cancel



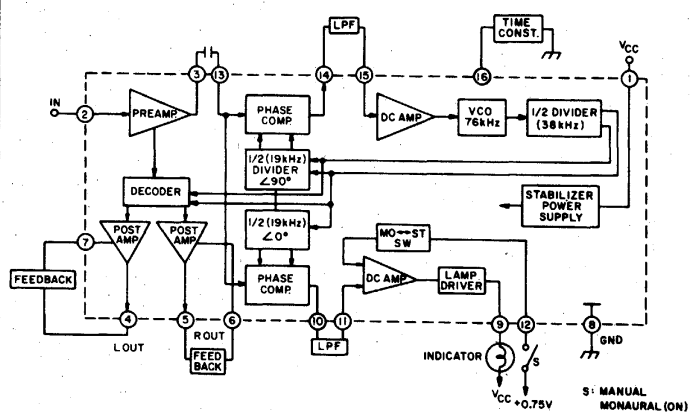
ECG1483 22-Pin DIP See Fig. L121

IC-TV Video IF Amp, Det, AGC, AFT, RF AGC, Sound IF Det and Noise Clip



ECG1484 16-Pin DIP See Fig. L111

IC-FM PLL Stereo Demod, Indicator Lamp Dr

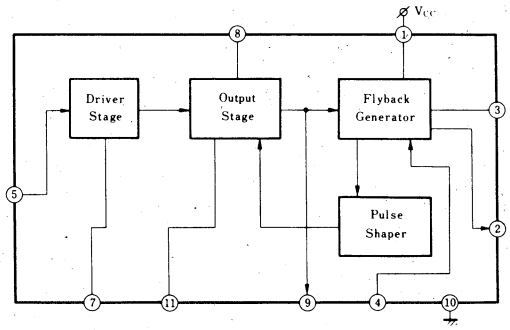


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Linear IC and Module Circuits (cont'd)

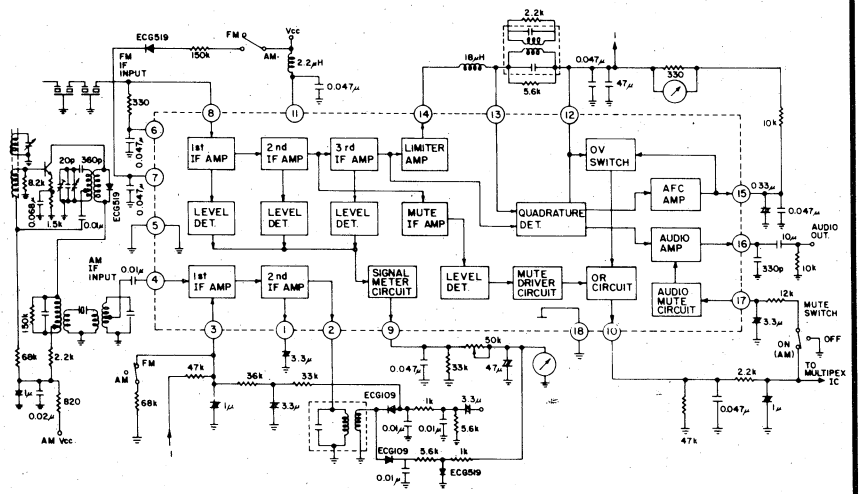
ECG1485 11-Pin SIP See Fig. L54

IC-TV Vert Driver and Output, $V_{CC} = 24$ V



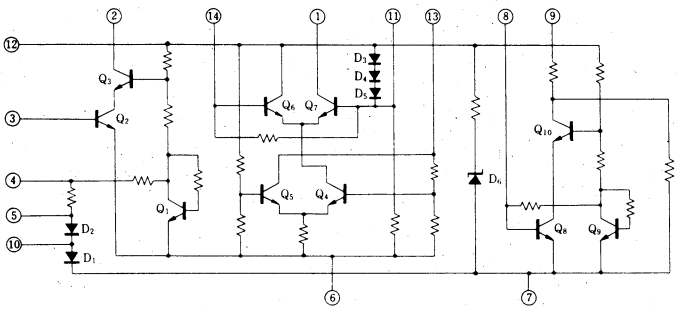
ECG1486 16+2-Pin DIP-HS See Fig. L114

IC-AM/FM IF Amp, Limiter, Det, AFC, Mute and Meter Level Drivers



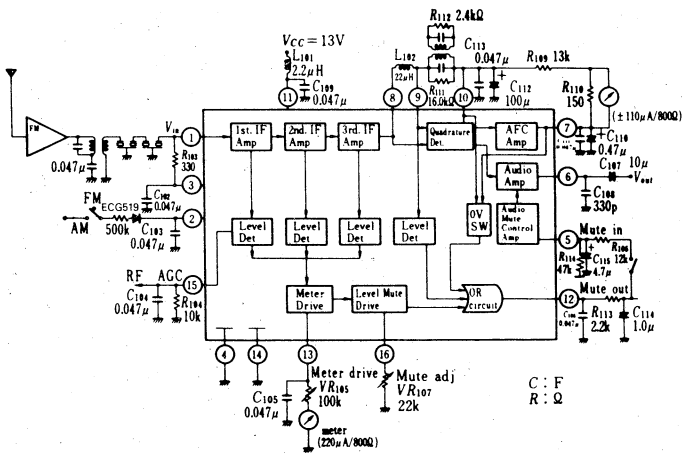
ECG1487 14-Pin DIP See Fig. L104

IC-AM RF Amp, Mixer, Osc, IF Amp, Det and AGC



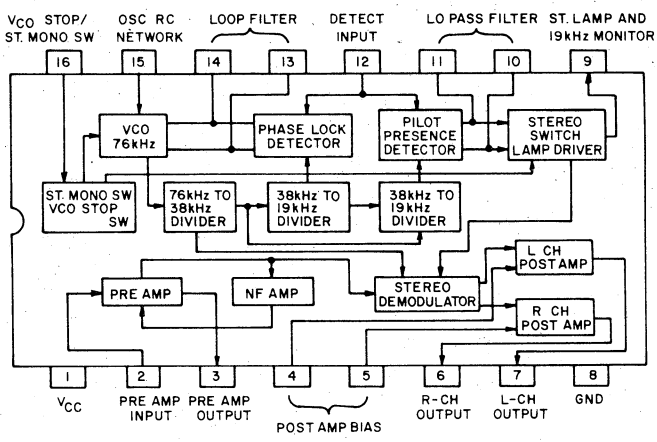
ECG1488 16-Pin DIP See Fig. L111

IC-FM IF Amp, Det, Audio Preamp w/Mute, AGC and AFC and Meter Driver



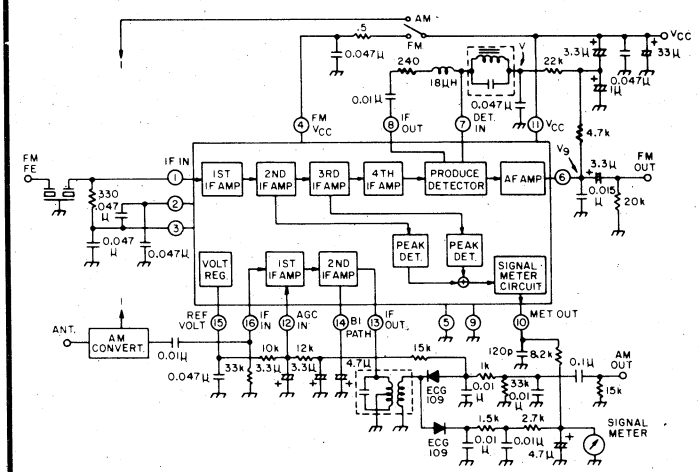
ECG1489 16-Pin DIP See Fig. L111

IC-Stereo Demodulator



ECG1490 16-Pin DIP See Fig. L111

IC-AM/FM IF Amp, Det, AF Preamp and Meter Driver



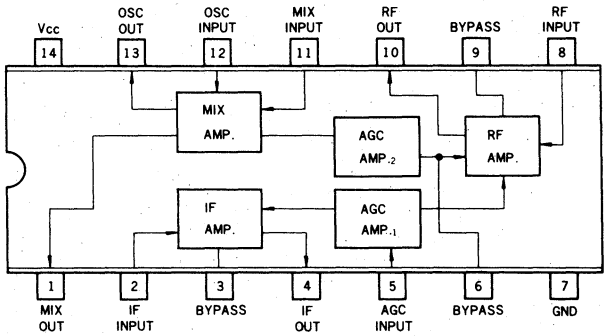
Package Outlines - See Page 1-297

N

Linear IC and Module Circuits (cont'd)

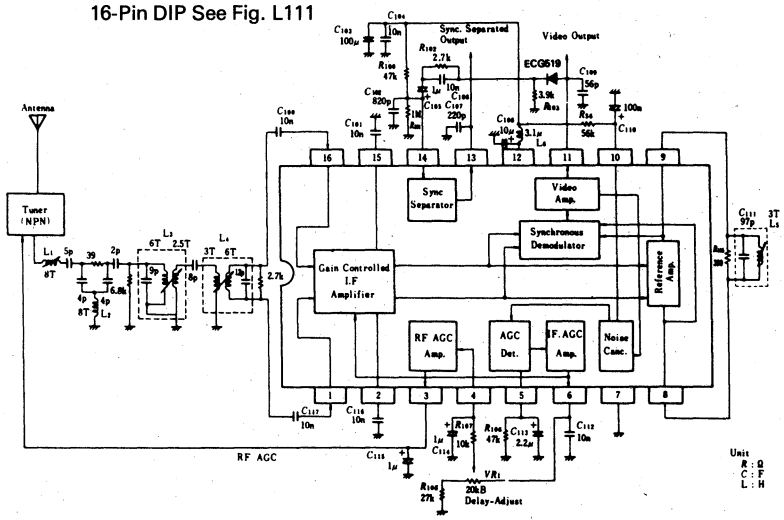
ECG1491
IC-AM RF/IF Amp

14-Pin DIP See Fig. L104



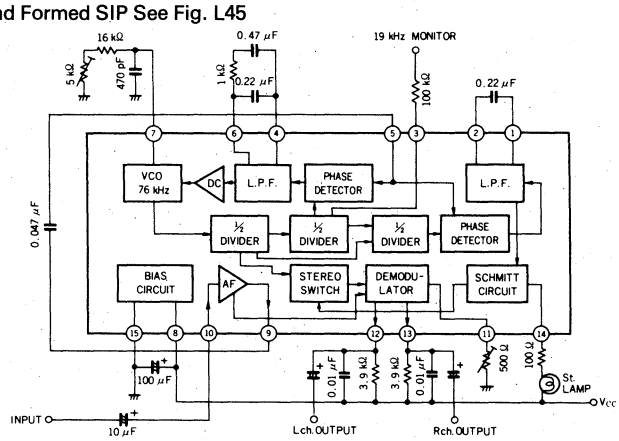
ECG1492
IC-TV Video IF Amp, Sync Sep and AGC

16-Pin DIP See Fig. L111



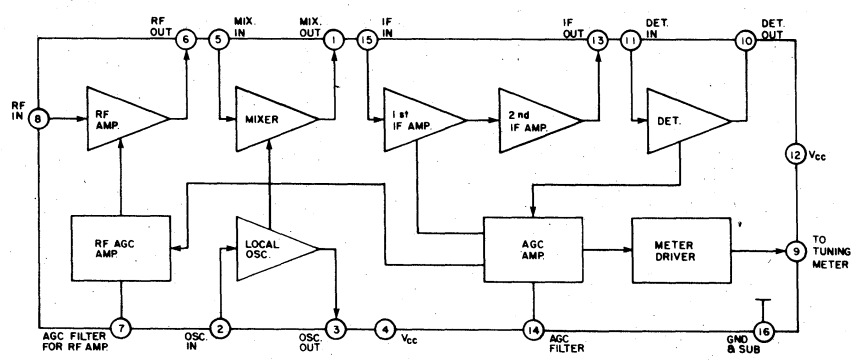
ECG1493
IC-FM Mux Stereo Demodulator

15-Lead Formed SIP See Fig. L45



ECG1494
IC-AM RF Amp, Osc Mixer, IF Amp, Det, AGC and Meter Driver Ckt

16-Pin DIP See Fig. L111

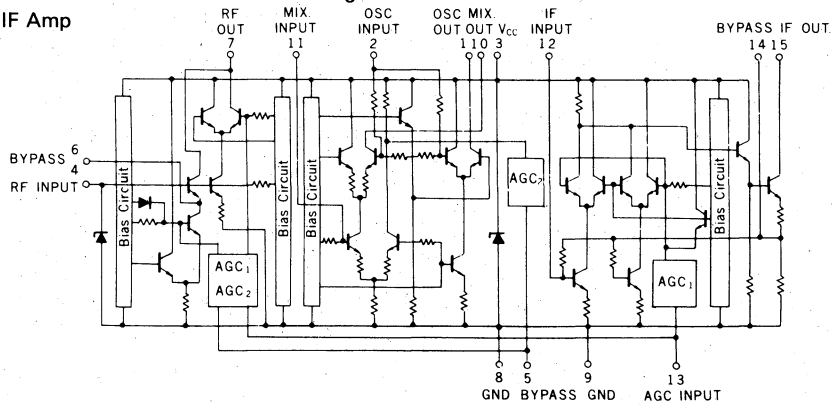


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

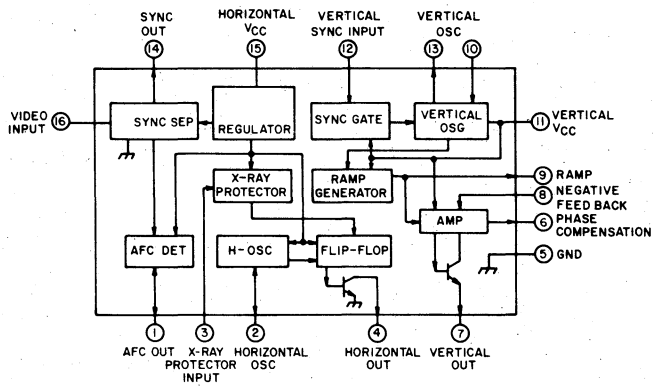
ECG1495 15-Lead Formed SIP See Fig. L45

IC-AM RF Amp, Mixer and IF Amp



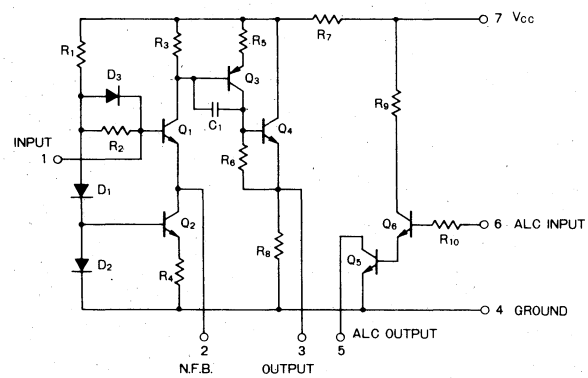
ECG1496 16-Pin DIP See Fig. L111

IC-Sync Sep, Vert/Horiz Osc and X-Ray Prot. Ckt



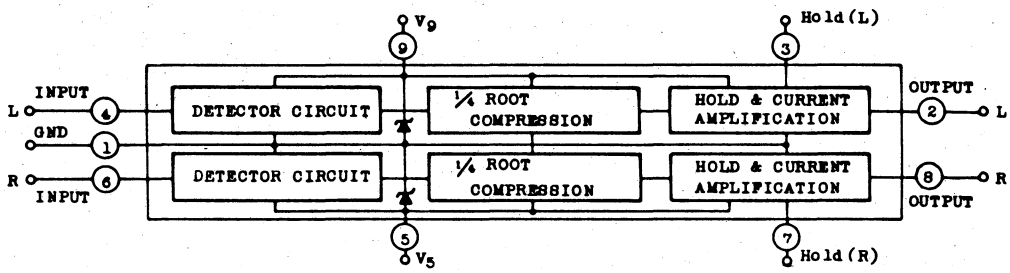
ECG1497 7-Pin SIP See Fig. L25

IC-AF Preamp w/Automatic Level Control



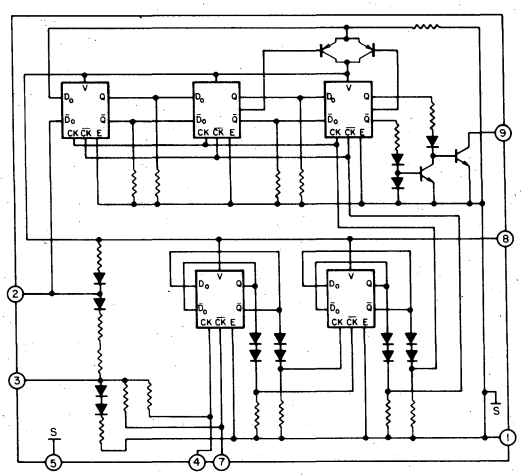
ECG1498 9-Pin SIP See Fig. L39

IC-Dual Channel Peak Pwr Meter Driver



ECG1499 9-Pin SIP See Fig. L39

IC-1/20 Divider Prescaler, Input Freq, 40 - 120 MHz



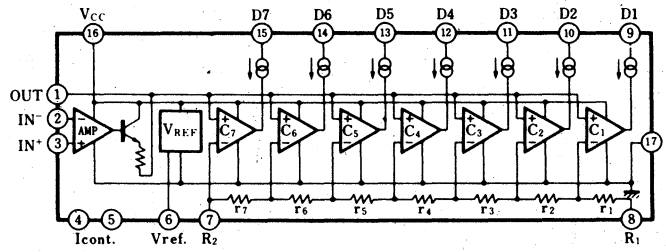
Package Outlines - See Page 1-297

N

Linear IC and Module Circuits (cont'd)

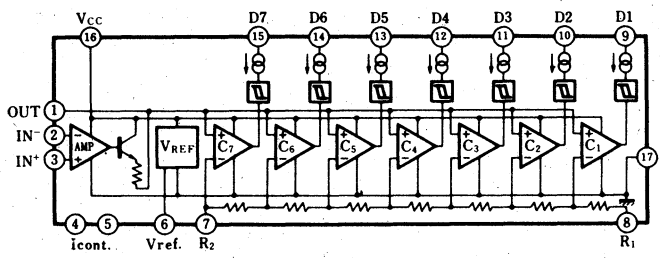
ECG1500 16-Pin DIP-ET See Fig. L151

IC-Voltage Level Ind. Dr, 7 Step Output for LED, Log Scale



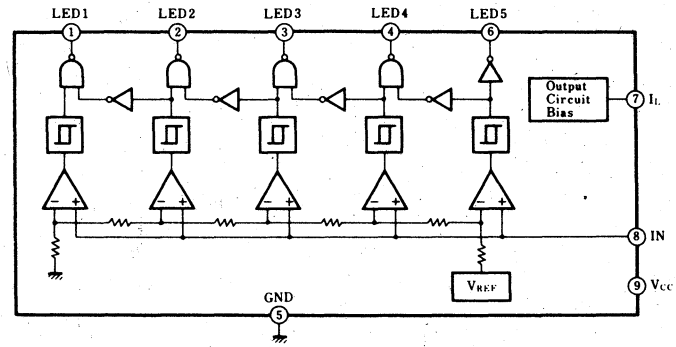
ECG1501 16-Pin DIP-ET See Fig. L151

IC-Voltage Level Ind. Dr, 7 Step Output for LED, Linear Scale



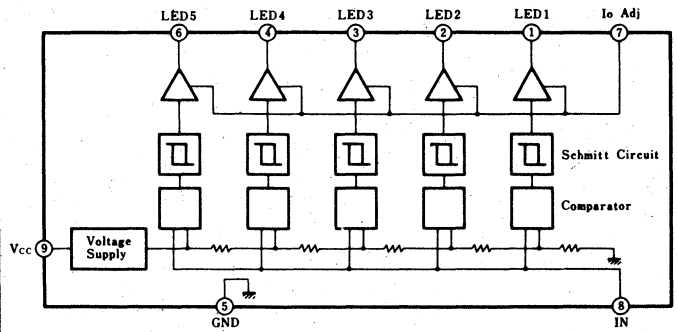
ECG1502 9-Pin SIP See Fig. L41

IC-Voltage Level Ind. Dr, 5 Step Output for LED, Linear Scale



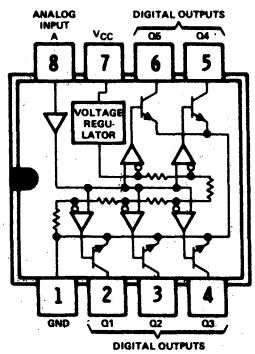
ECG1503 9-Pin SIP See Fig. L41

IC-Voltage Level Ind. Dr, 5 Step Output for LED, Log Scale



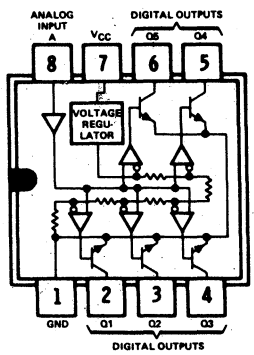
ECG1504 8-Pin DIP See Fig. L97

IC-Voltage Level Ind. Dr, 5 Step Log, Open Collector Outputs



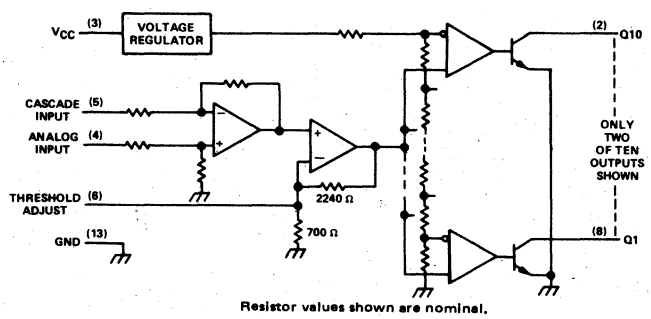
ECG1505 8-Pin DIP See Fig. L97

IC-Voltage Level Ind. Dr, 5 Step Linear, Open Collector Outputs



ECG1506 16-Pin DIP See Fig. L111

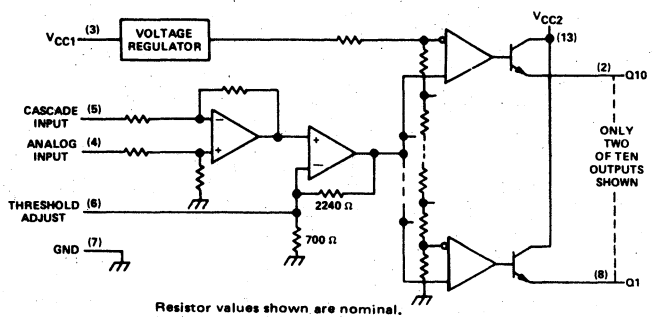
IC-Voltage Level Ind. Dr, 10 Step Linear, Open Collector Outputs



Resistor values shown are nominal.

ECG1507 16-Pin DIP See Fig. L111

IC-Voltage Level Ind. Dr, 10 Step Linear, Open Emitter Outputs



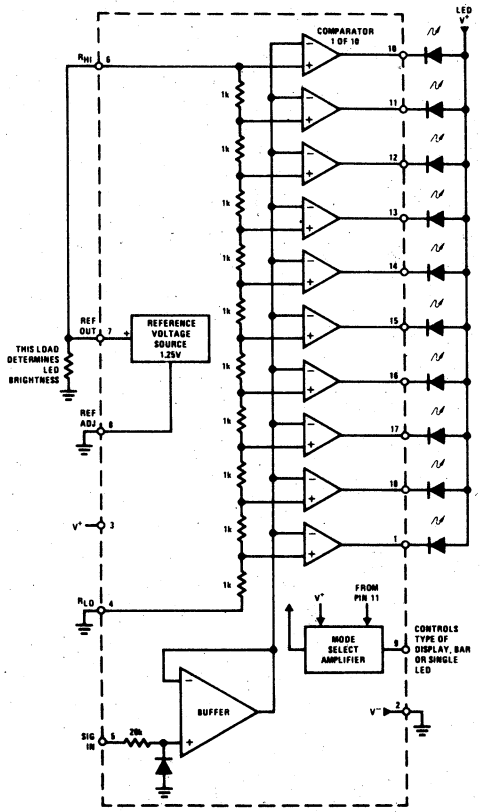
Resistor values shown are nominal.

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Linear IC and Module Circuits (cont'd)

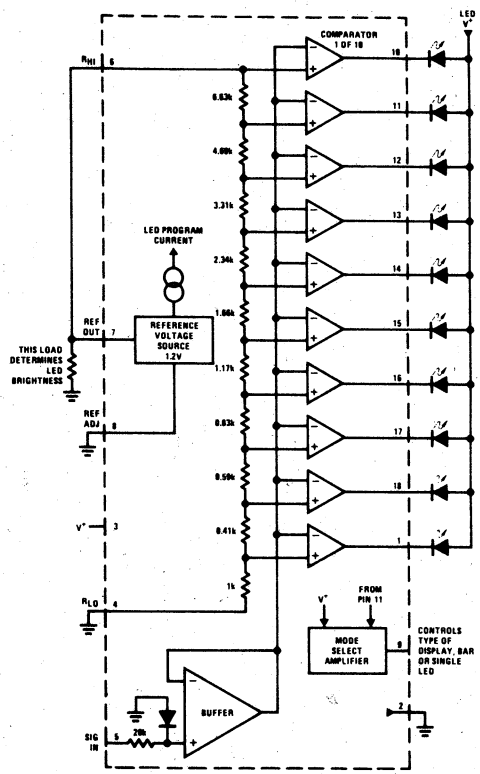
ECG1508 18-Pin DIP See Fig. L115

IC-Voltage Level Ind. Dr, 10 Step Linear, Open Collector Outputs



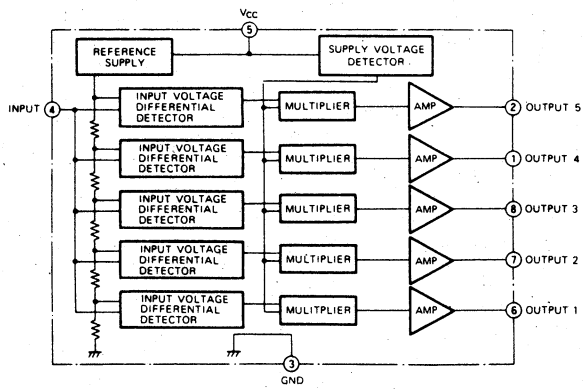
ECG1509 18-Pin DIP See Fig. L115

IC-Voltage Level Ind. Dr, 10 Step Log, Open Collector Outputs



ECG1510 8-Pin SIP See Fig. L35

IC-Voltage Level Ind. Dr, 5 Step Output for LED, Linear Scale

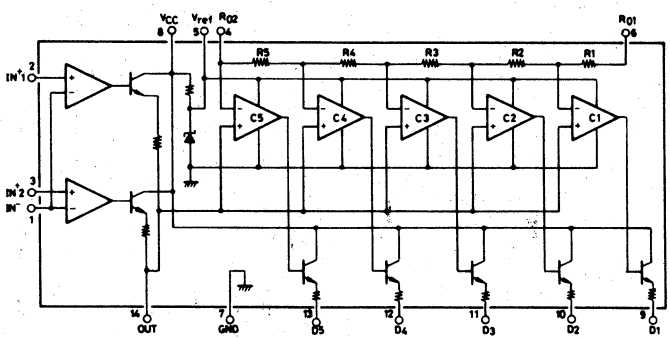


ECG1511 14-Pin DIP-ET See Fig. L144

IC-Voltage Level Ind. Dr, 5 Step Output for LED, Linear Scale

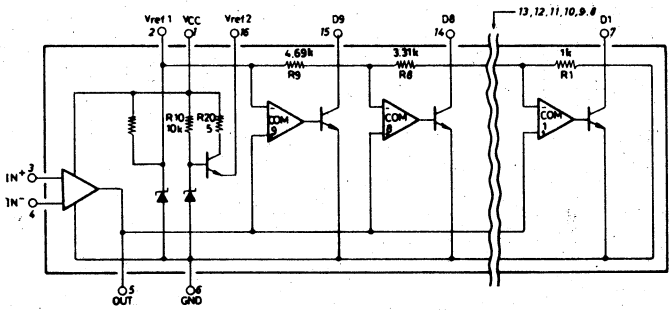
ECG1512

IC-Voltage Level Ind. Dr, 5 Step Output for LED, Log Scale



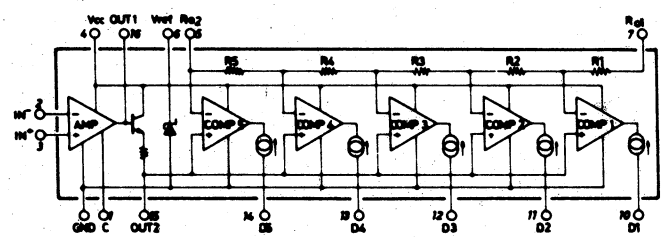
ECG1513 16-Pin DIP See Fig. L111

IC-Voltage Level Ind. Dr, 9 Step Output for LED, Log Scale



ECG1514, ECG1515 16-Pin DIP See Fig. L111

IC-Voltage Level Ind. Dr, 5 Step Output for LED, Log Scale

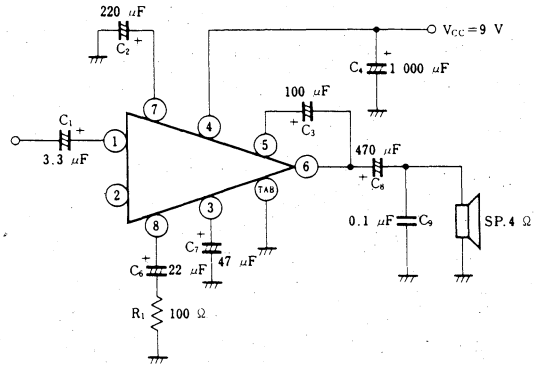


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

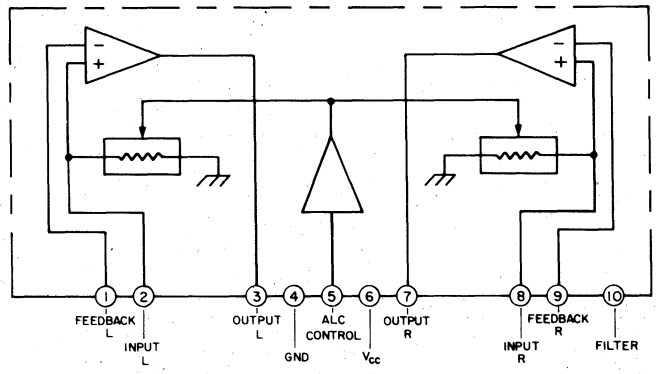
ECG1516 8-Pin DIP-ET See Fig. L138

IC-AF PO, 1.8 W, V_{CC} = 9 V, R_L = 4 Ω



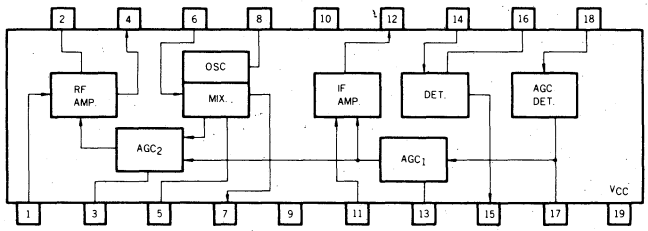
ECG1517 10-Pin SIP See Fig. L42

IC-Dual Audio Preamp w/ALC, V_G = 46 dB



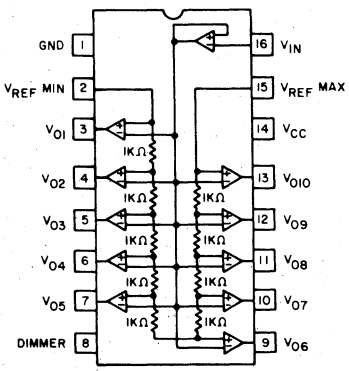
ECG1518 19-Lead Formed SIP See Fig. L48

IC-AM RF/IF/Detector/AGC



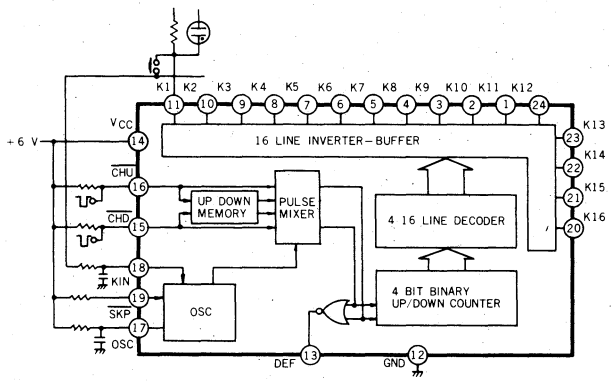
ECG1519 16-Pin DIP See Fig. L111

IC-Voltage Level Ind. Dr, 10 Step Output for LED, Linear Scale



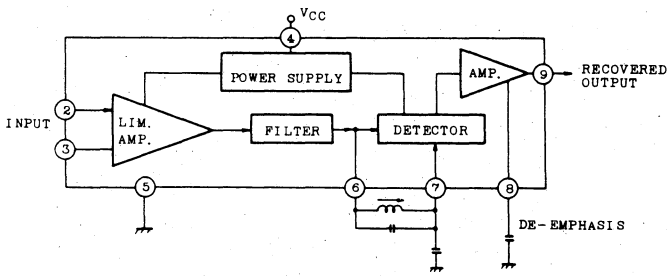
ECG1520 24-Pin DIP See Fig. L122

IC-Electronic Channel Selector



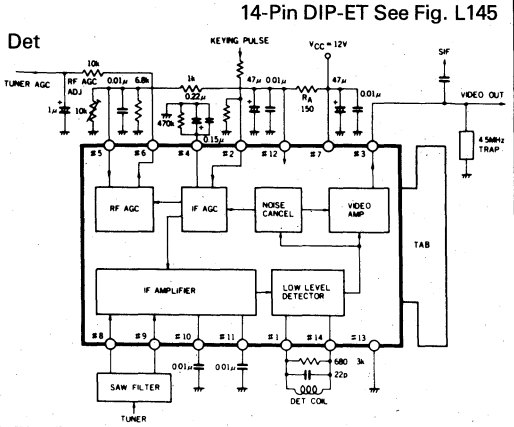
ECG1521 9-Pin SIP See Fig. L39

IC-TV Sound IF Amp and Detector



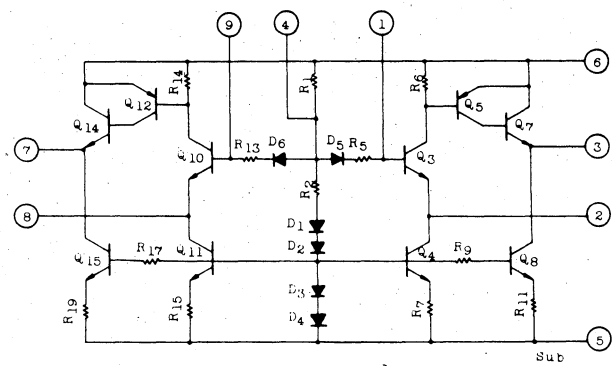
ECG1522 14-Pin DIP-ET See Fig. L145

IC-Video IF Amp, Det and Video Amp



ECG1523 9-Pin SIP See Fig. L39

IC-Dual Lo Noise Audio Preamp, V_{CC} = 8 V, V_G = 70 dB, R_L = 10 KΩ

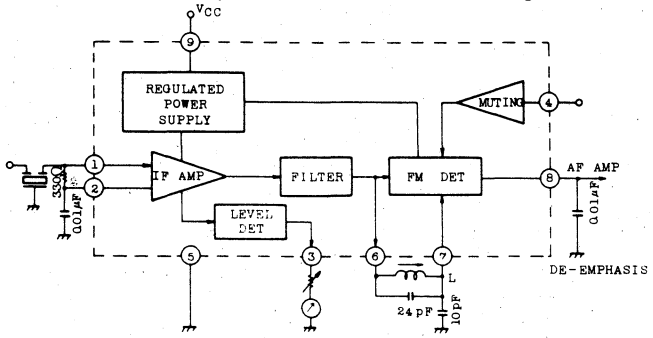


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

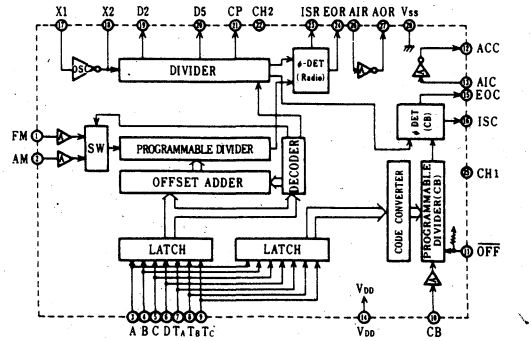
ECG1525 9-Pin SIP See Fig. L39

IC-FM Differential IF Amp Det w/Meter Driver and Muting Ckt



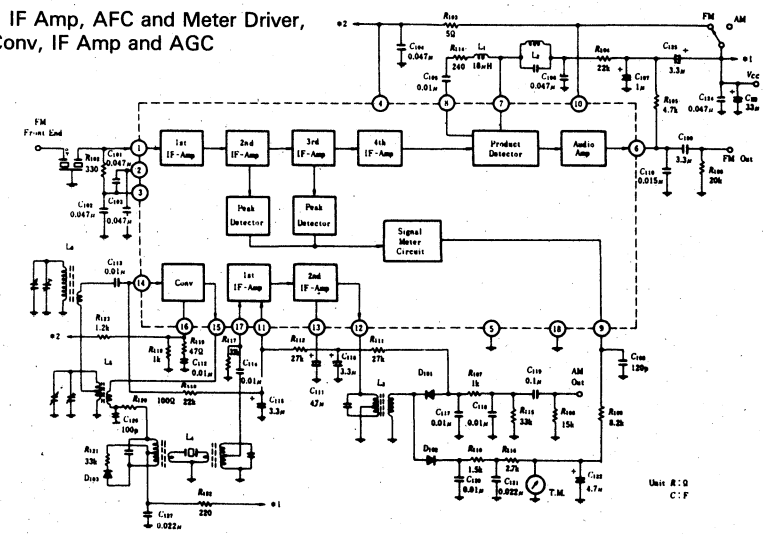
ECG1526 28-Pin DIP See Fig. L124

IC-PLL Freq Synthesizer for FM Stereo (CMOS)



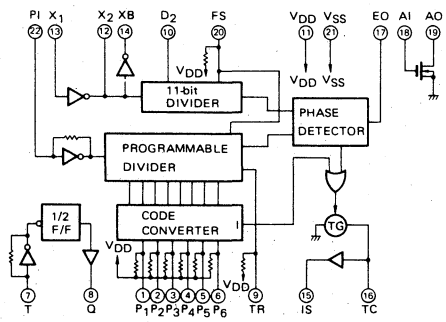
ECG1527 16+2-Pin DIP-ET See Fig. L114

IC-FM, IF Amp, AFC and Meter Driver, AM Conv, IF Amp and AGC



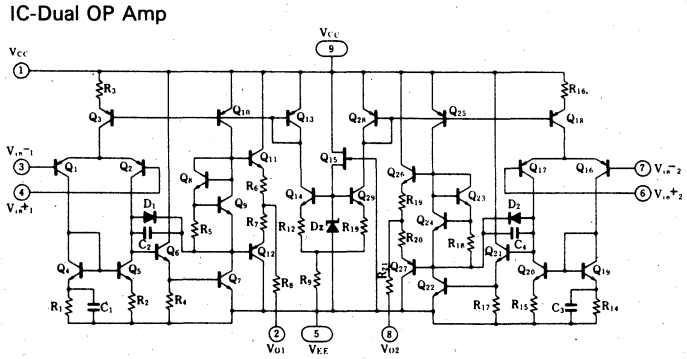
ECG1528 22-Pin DIP See Fig. L121

IC-PLL Freq Synthesizer for CB (CMOS)



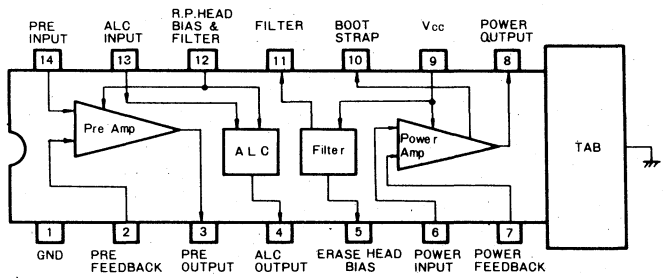
ECG1529 9-Pin SIP See Fig. L39

IC-Dual OP Amp



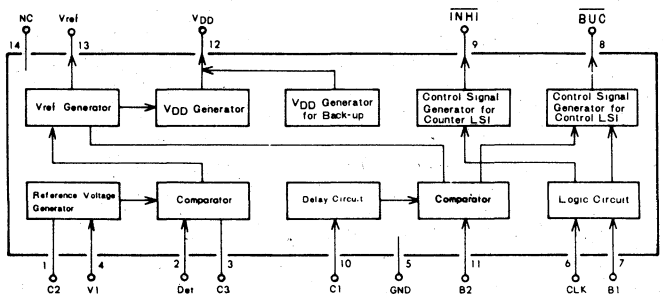
ECG1530 14-Pin DIP-ET See Fig. L146

IC-AF PO, 450 mW



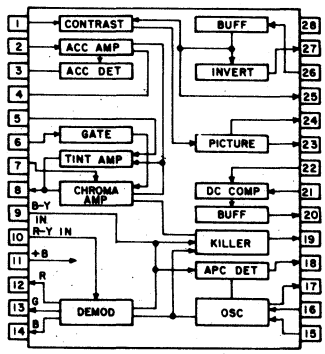
ECG1531 14-Pin DIP-ET See Fig. L144

IC-Voltage Regulator for Electronic Tuner



ECG1532 28-Pin DIP See Fig. L124

IC-TV Video, Chroma Amp, Demod, ACC, APC, VCO



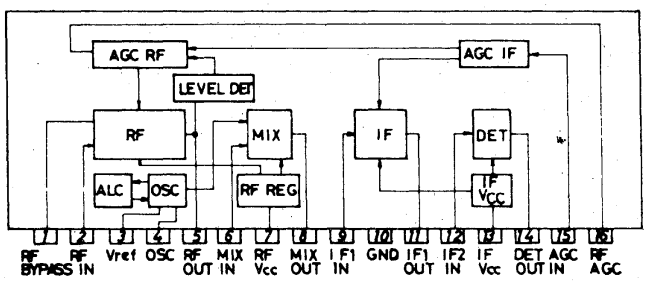
Package Outlines - See Page 1-297

N

Linear IC and Module Circuits (cont'd)

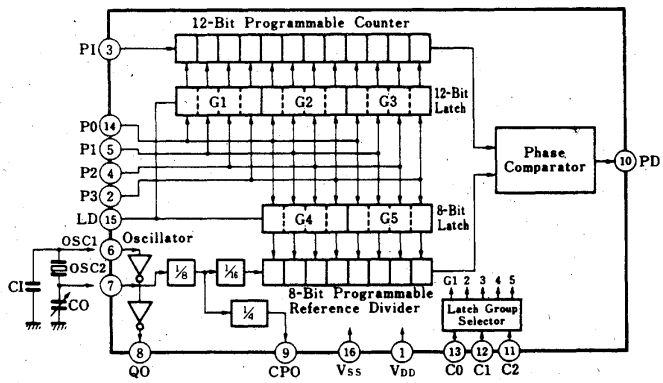
ECG1533 16-Pin ZIL See Fig. L46

IC-AM RF Amp, Mixer, Osc, IF Amp, Det and AGC



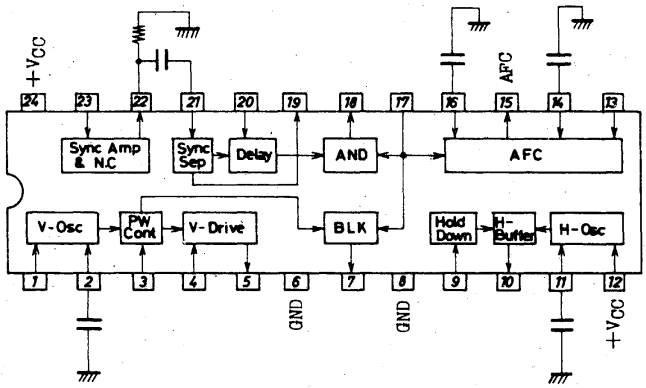
ECG1534 16-Pin DIP See Fig. L111

IC-AM/FM PLL Freq Synthesizer (CMOS)



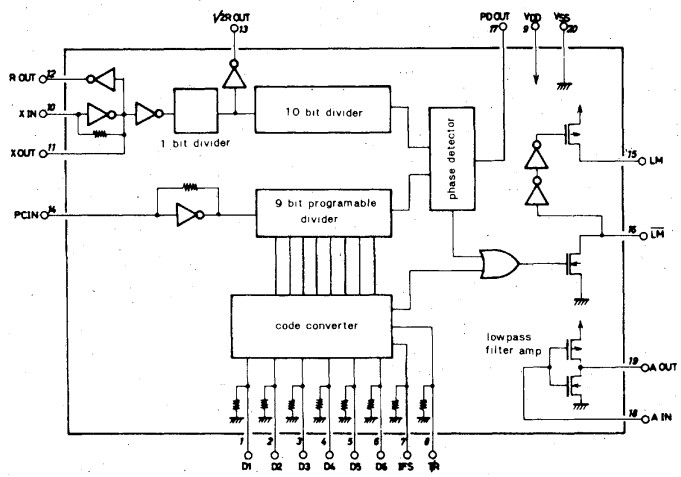
ECG1535 24-Pin DIP See Fig. L122

IC-TV Sync, Horiz/Vert Osc, Driver, AFC and HV Holddown



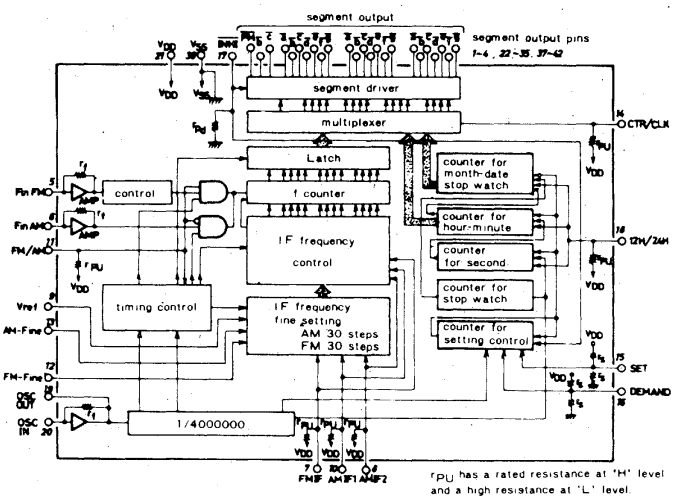
ECG1536 20-Pin DIP See Fig. L118

IC-CB PLL Freq Synthesizer (CMOS)



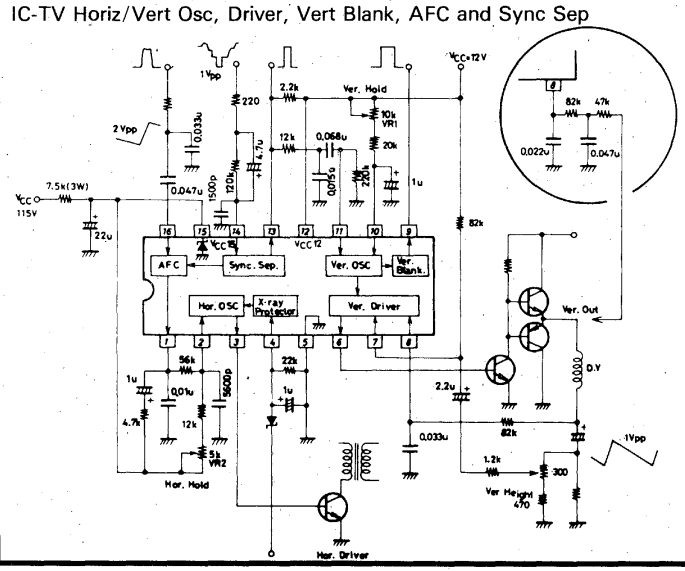
ECG1537 42-Pin DIP See Fig. L126

IC-Time-Freq Display Dr for AM/FM w/Stopwatch Day/Date (CMOS)



ECG1538 16-Pin DIP See Fig. L111

IC-TV Horiz/Vert Osc, Driver, Vert Blank, AFC and Sync Sep

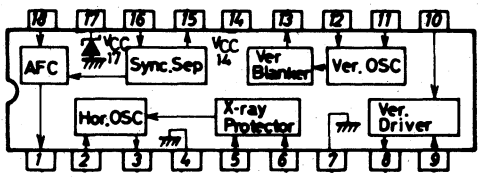


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

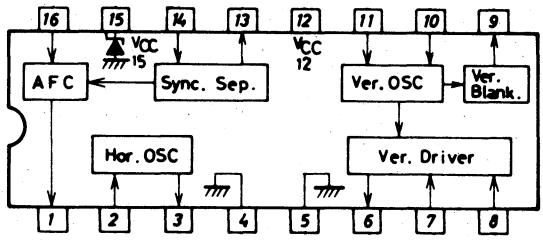
ECG1539 18-Pin DIP See Fig. L115

IC-TV Horiz/Vert Osc, Driver, Vert Blank, AFC and Sync Sep



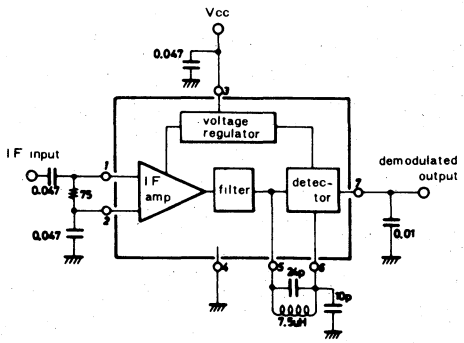
ECG1540 16-Pin DIP See Fig. L111

IC-TV Horiz/Vert Osc, Driver, Vert Blank, AFC and Sync Sep



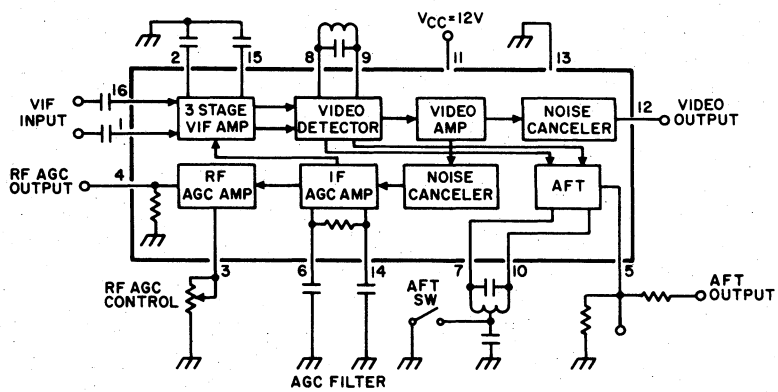
ECG1541 7-Pin SIP See Fig. L31

IC-FM IF Amp Detector



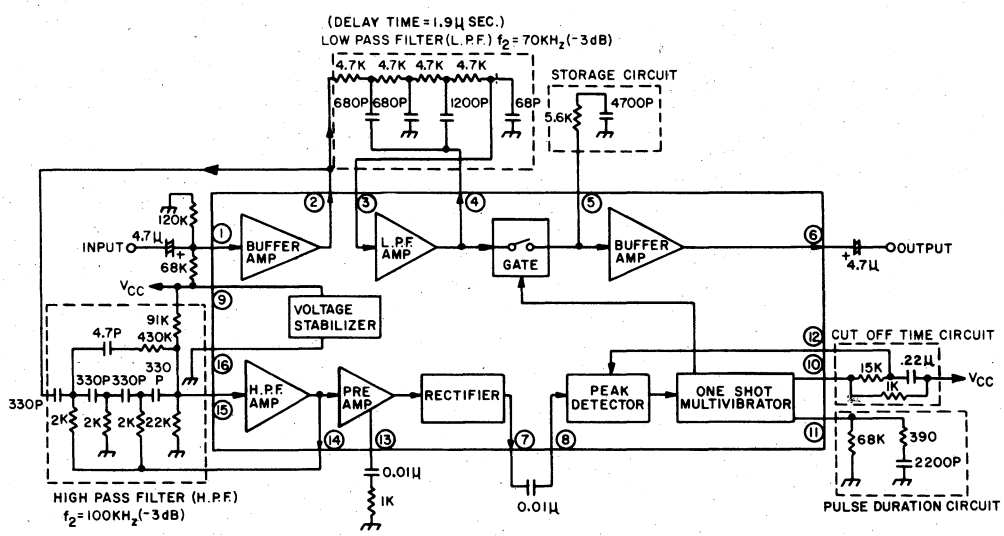
ECG1542 16-Pin DIP See Fig. L111

Video IF Amp/Detector/AGC/AFT



ECG1543 16-Pin DIP See Fig. L111

IC-FM Noise Suppressor (40 dB Typ)



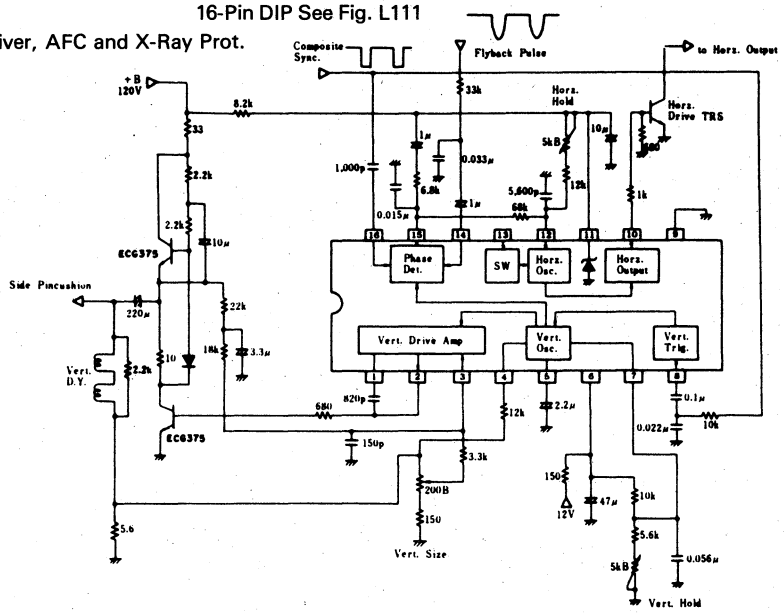
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Linear IC and Module Circuits (cont'd)

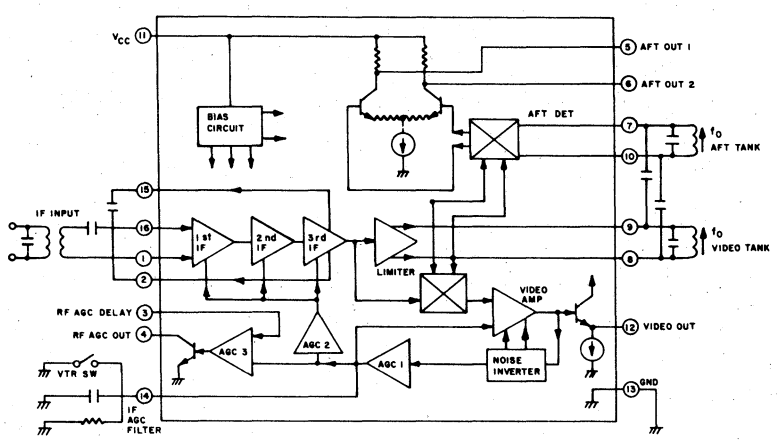
ECG1544 16-Pin DIP See Fig. L111

IC-TV Horiz/Vert Osc, Driver, AFC and X-Ray Prot.



ECG1545 16-Pin DIP See Fig. L111

IC-VIF, AGC Amp with AFT



ECG1546 TO-3, 3-Pin See Fig. L11A

Output = +130 V DC, 1 A

ECG1548

Output = +123 V DC, 1A

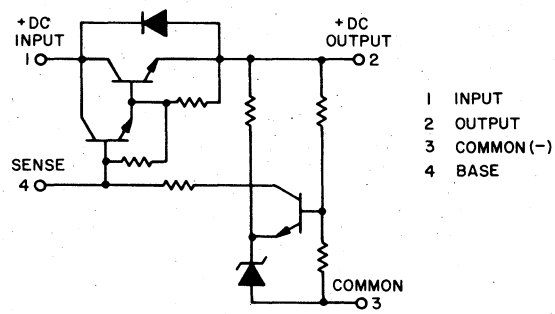
ECG1719

Output = +120 V DC, 1 A

ECG1553

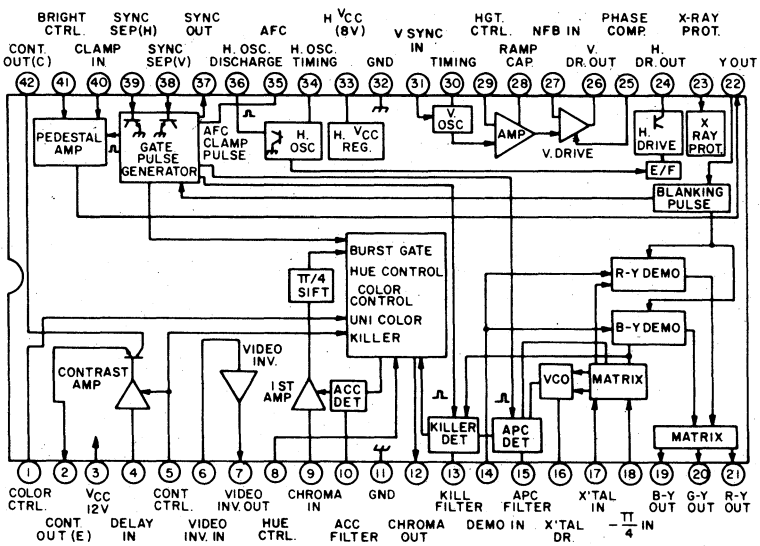
Output = +127 V DC, 1A

Hybrid TV Voltage Regulator



ECG1547 42-Pin DIP See Fig. L126

Video-Chroma Demod/Horiz/Vert/Osc Dr/HV Protect

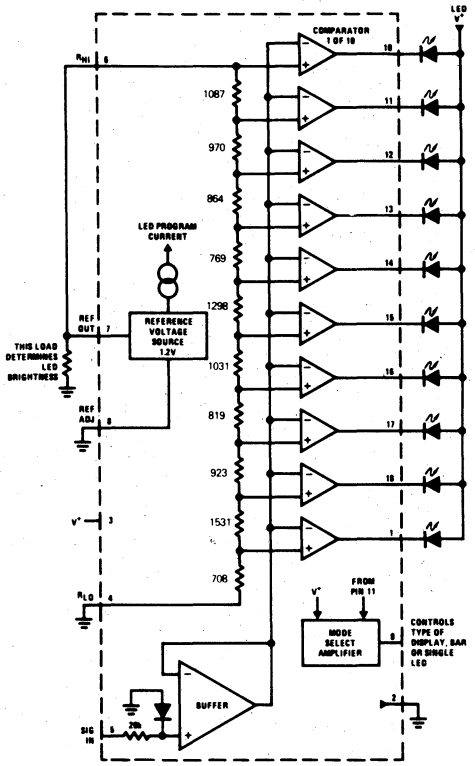


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

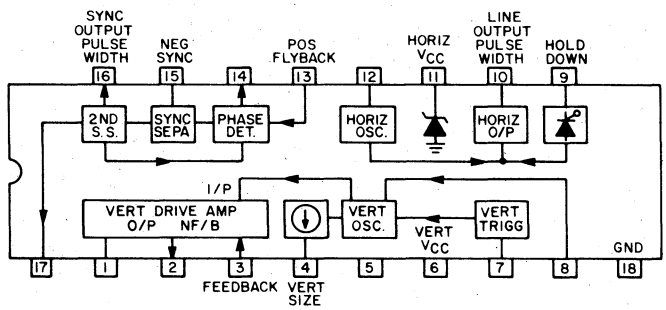
ECG1549 18-Pin DIP See Fig. L115

Voltage Level Ind. Dr., 10 Step VU Meter



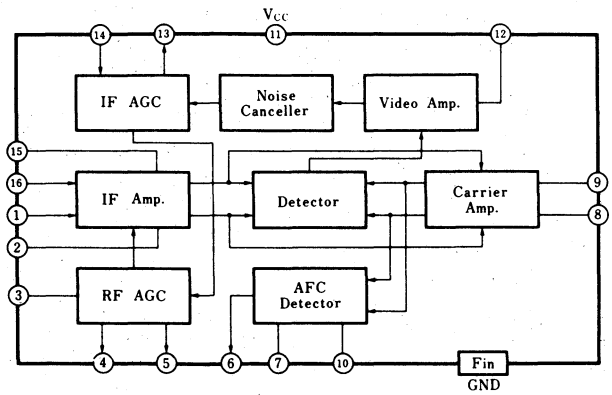
ECG1550 16+2 Pin DIP-ET See Fig. L114

TV Sync Signal Processor



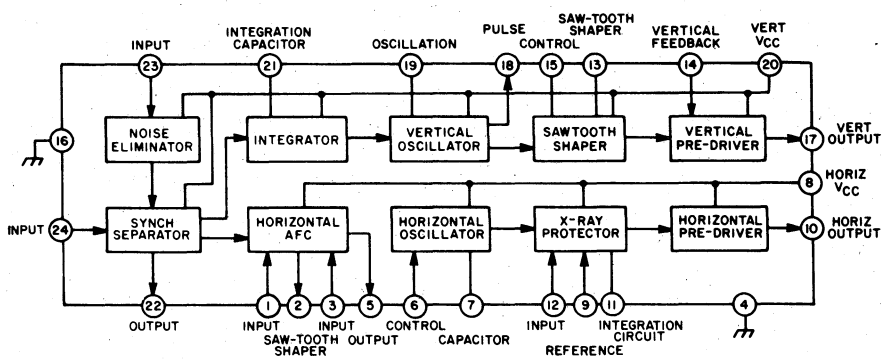
ECG1551 16-Pin DIP-ET See Fig. L151

TV Video IF Amp w/Detector, AGC, AFC



ECG1552 24-Pin DIP See Fig. L122

TV Signal Processor w/Vert Horiz Osc, Horiz AFC, X-Ray Protect

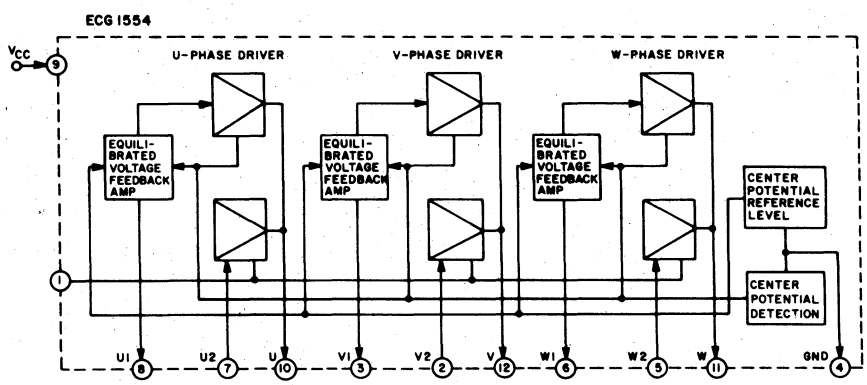


ECG1553

See ECG1546
Page 1-254

ECG1554 12-Pin DIP-W See Fig. L130

VCR Cylinder and Capstan Motor Drive



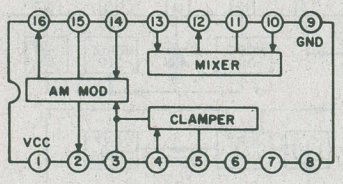
Package Outlines - See Page 1-297

N

Linear IC and Module Circuits (cont'd)

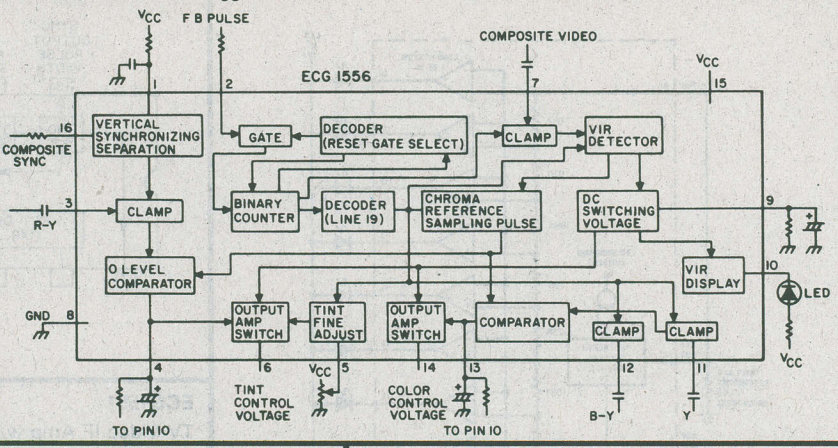
ECG1555 16-Pin DIP See Fig. L111

VCR Dual Balanced Mixer



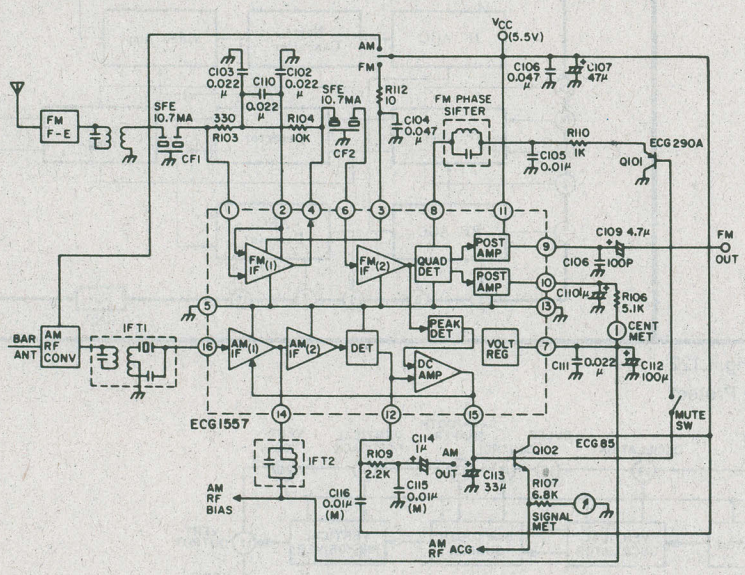
ECG1556 16-Pin DIP See Fig. L111

VIR Signal Processor, V_{CC} = 12 V Typ



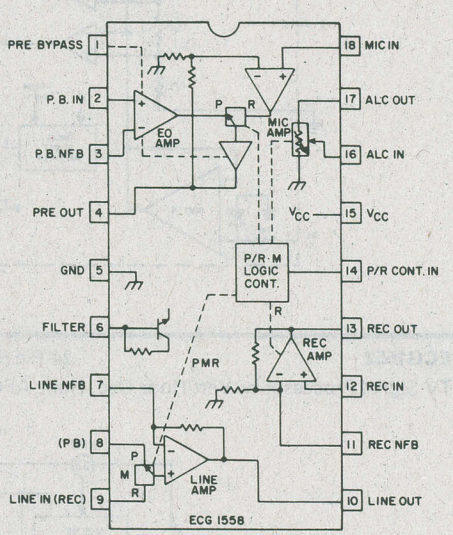
ECG1557 16-Pin DIP See Fig. L111

FM/AM IF Amp, w/Det, AM, AGC and Meter Driver, V_{CC} = 5.5 V Typ



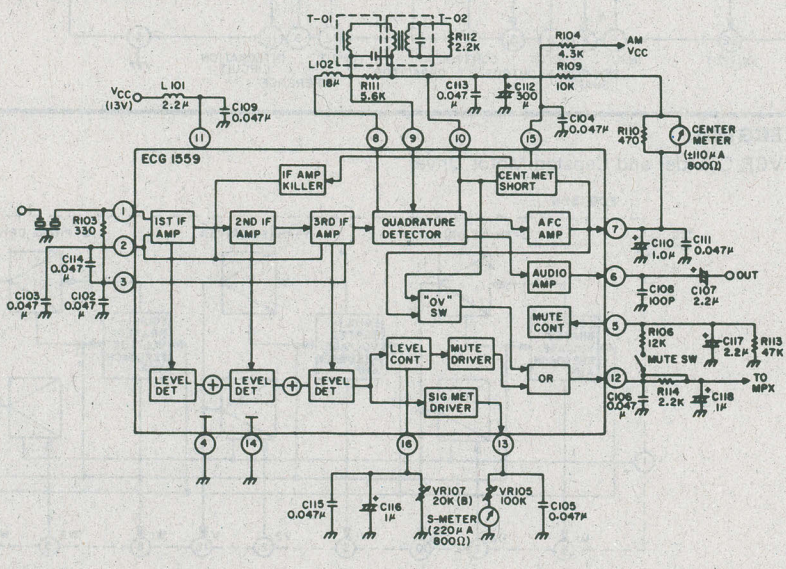
ECG1558 18-Pin DIP See Fig. L115

VCR Audio Record/Playback Amp, V_{CC} = 9 V Typ



ECG1559 16-Pin DIP See Fig. L111

FM IF Amp, AFC, Det, Mute and Meter Driver, V_{CC} = 13 V Typ

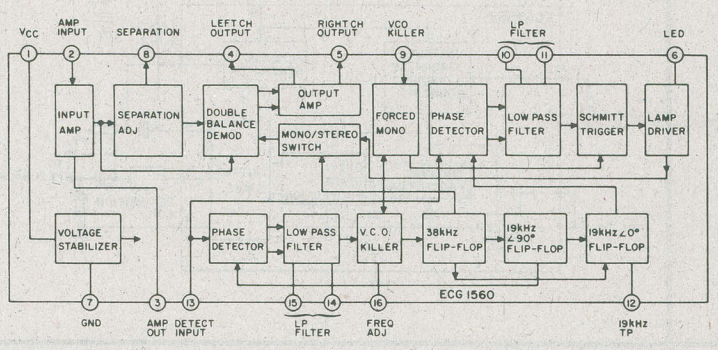


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

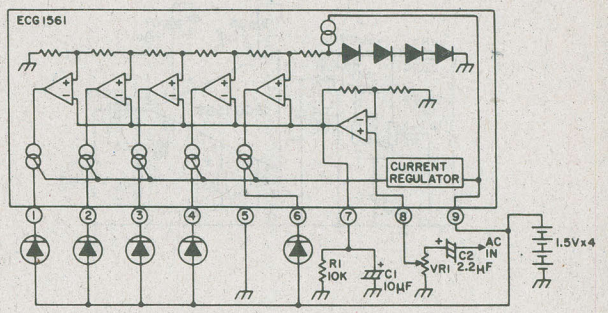
ECG1560 16-Pin DIP See Fig. L111

FM Stereo Demodulator, V_{CC} = 6 V Typ



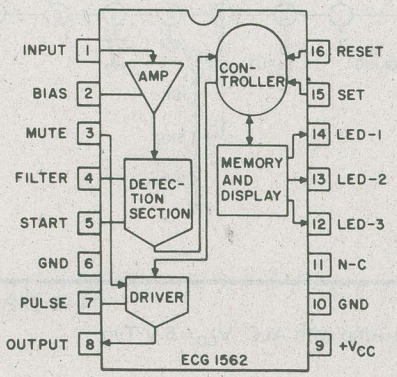
ECG1561 9-Pin SIP See Fig. L40

Voltage Level Ind. Dr., 5 Step VU Meter, Direct AC or DC Signal Inputs, I_O = 15 mA Typ/Seg, V_{CC} = 3.5-16 V



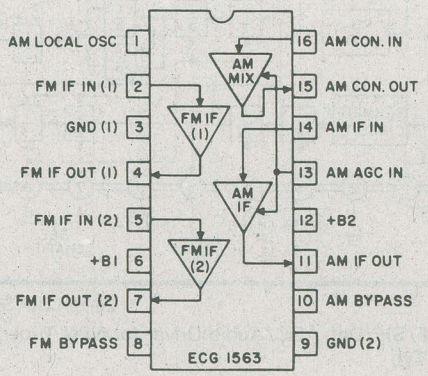
ECG1562 16-Pin DIP See Fig. L111

Programmable Search System for Audio Cassettes, V_{CC} = 9 V Typ



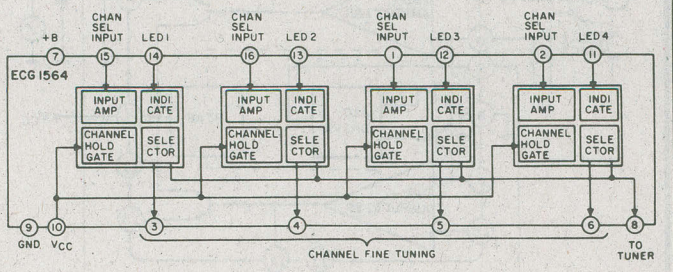
ECG1563 16-Pin DIP See Fig. L111

AM/FM IF Amp w/AM Tuner, V_{CC} = 4 V Typ



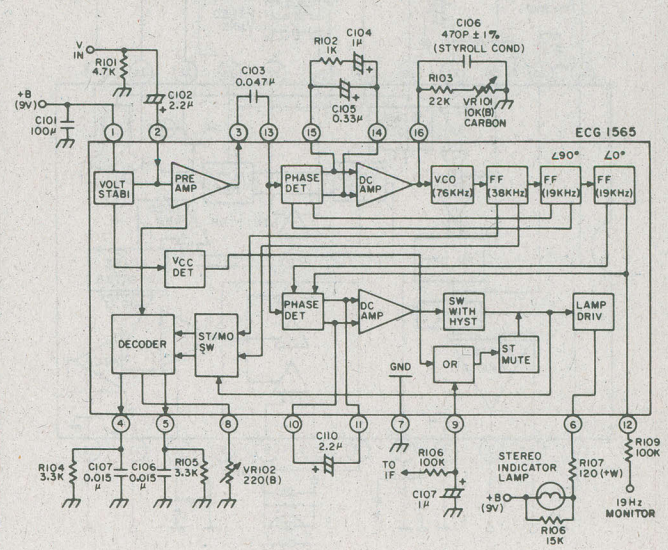
ECG1564 16-Pin DIP See Fig. L111

TV/FM Channel Selector System, B^+ = 33 V, V_{CC} = 17 V Typ



ECG1565 16-Pin DIP See Fig. L111

PLL FM Demod for Portable/Car Radio



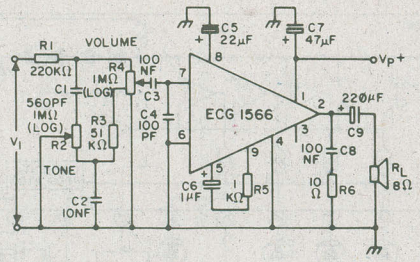
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Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

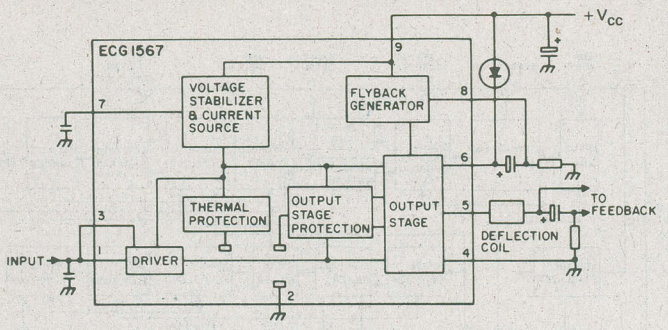
ECG1566 9-Pin SIP-HS See Fig. L81A

AF PO, 4.5 W, V_{CC} = 18 V, R_L = 8 Ω



ECG1567 9-Lead Formed SIP See Fig. L81B

TV Vertical Deflection, V_{CC} = 26 V Typ



ECG1568 16-Pin DIP See Fig. L112

Capstan Freq Gen for 2, 4, 6 Hr Speed Control, V_{CC} = 12 V

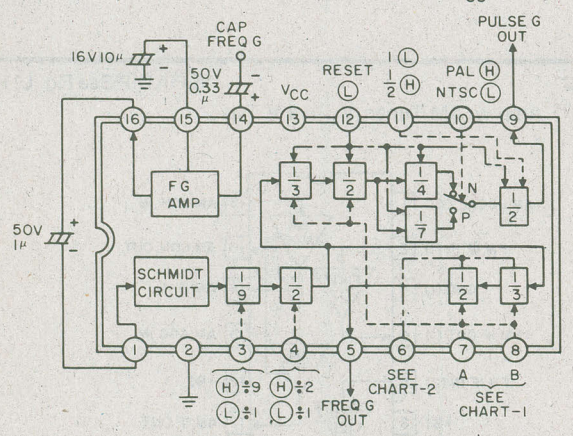


CHART-1

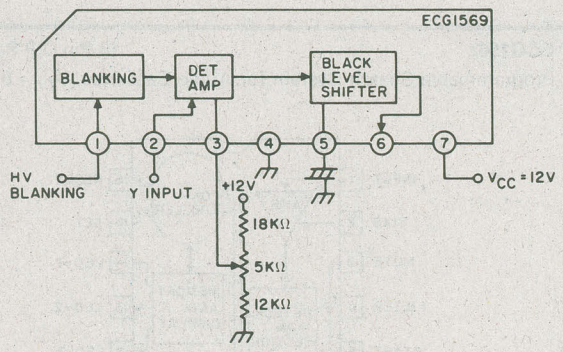
	2 HR	4 HR	6 HR
A	L	H	H
B	L	L	H

CHART-2

	2 HR	4 HR	6 HR
H	1/2	1	1
L	1/6	1/3	1/2

ECG1569 7-Pin SIP See Fig. L29

Video Amp/Blanker/Black Control, V_{CC} = 12 V

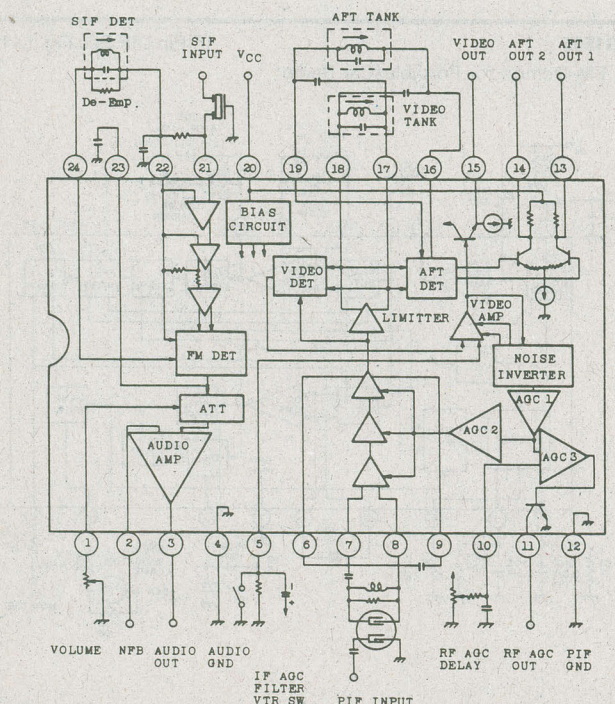


ECG1570 24-Pin DIP See Fig. L122

TV Video/IF/SIF/Det/AGC/Audio Driver for NPN Tuner, V_{CC} = 12 V Typ

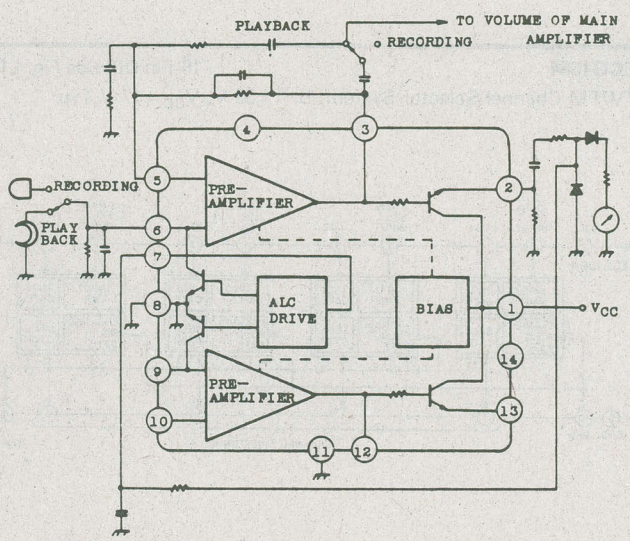
ECG1572

TV Video/IF/SIF/Det/AGC/Audio Driver for FET Tuner, V_{CC} = 12 V Typ



ECG1571 14-Pin DIP See Fig. L104

Dual Audio Pre-Amp with ALC, V_{CC} = 6 V Typ

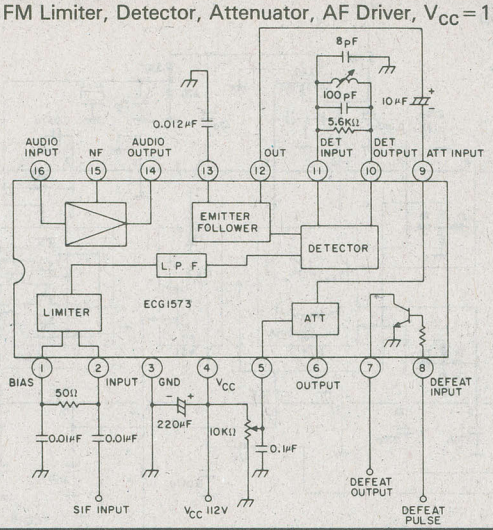


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

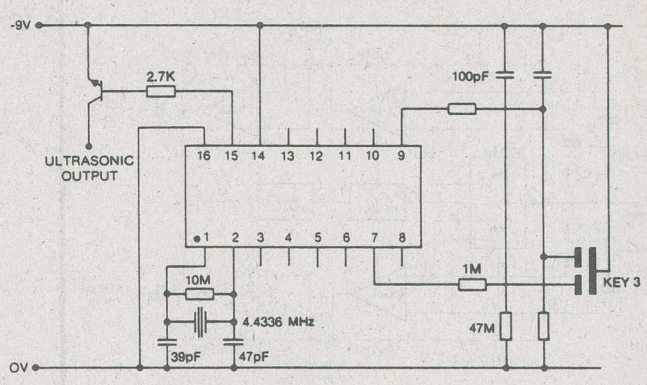
ECG1573 16-Pin DIP See Fig. L112

Sound IF, FM Limiter, Detector, Attenuator, AF Driver, V_{CC} = 11 V Typ



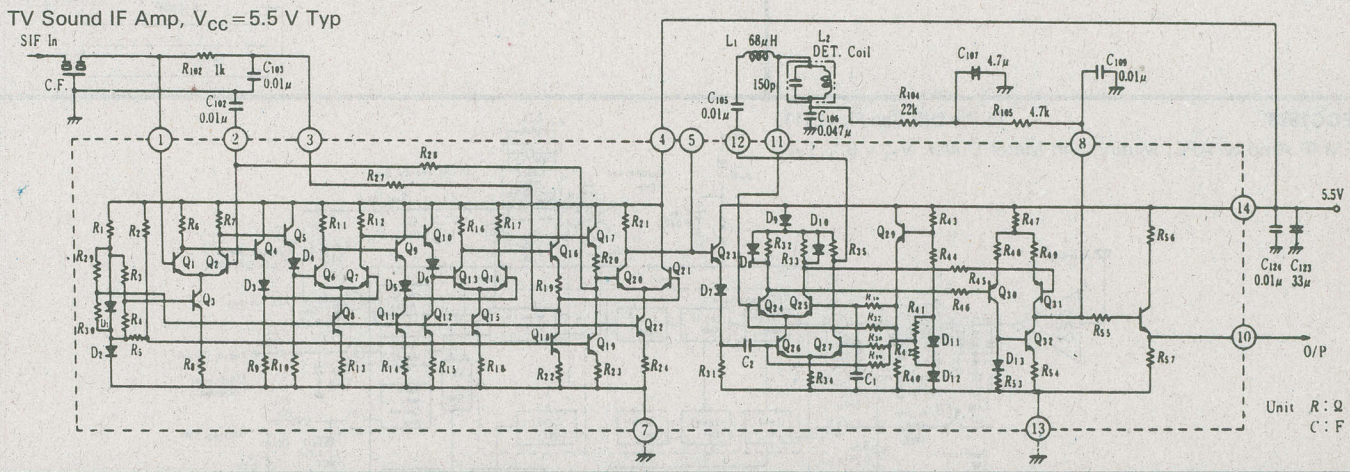
ECG1574 16-Pin DIP See Fig. L111

TV 30 Channel Remote Control Transmitter



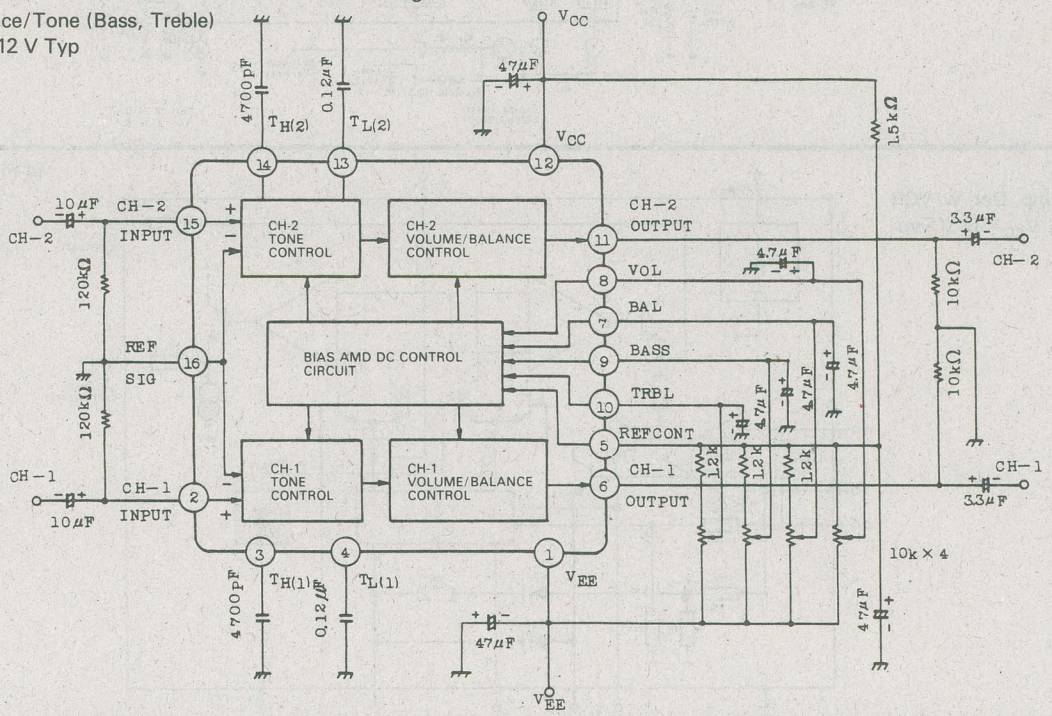
ECG1575 14-Pin DIP See Fig. L104

TV Sound IF Amp, V_{CC} = 5.5 V Typ



ECG1576 16-Pin DIP See Fig. L111

Dual Volume/Balance/Tone (Bass, Treble) DC Control, V_{CC} = 12 V Typ



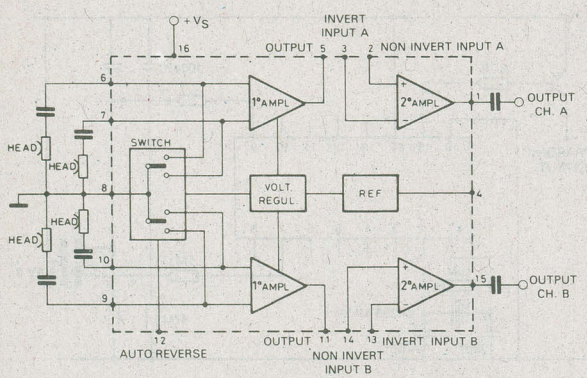
N

Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

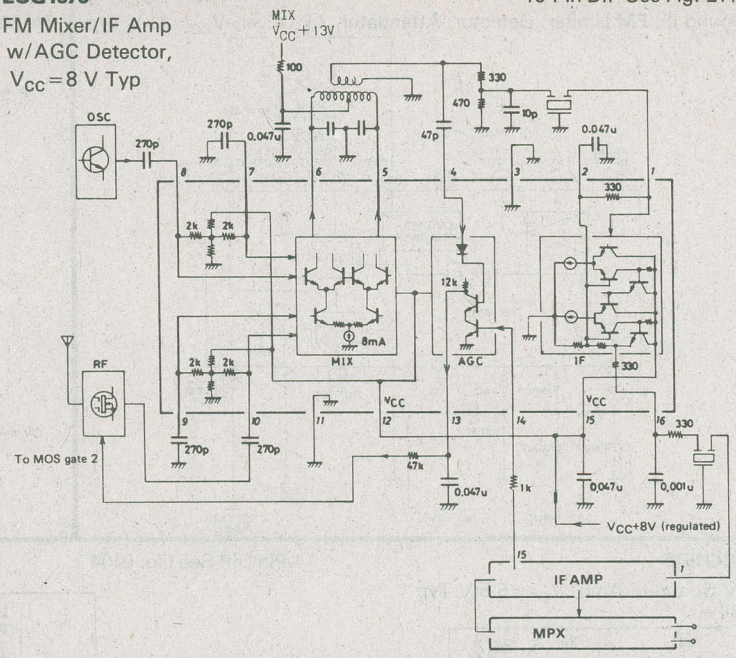
ECG1577 16-Pin DIP See Fig. L111

Dual Audio Tape Preamp (Lo-Noise) w/Auto Reverse



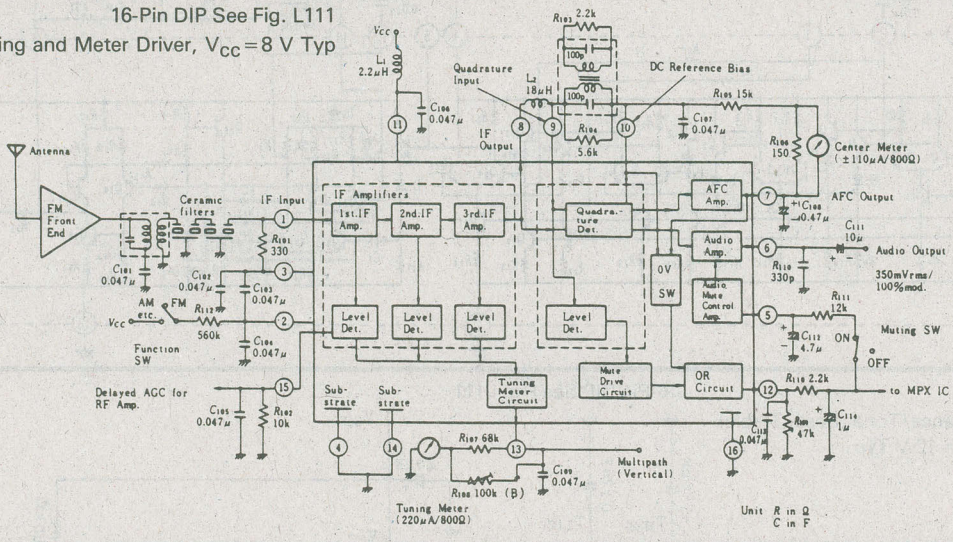
ECG1578 16-Pin DIP See Fig. L111

FM Mixer/IF Amp w/AGC Detector, V_{CC} = 8 V Typ



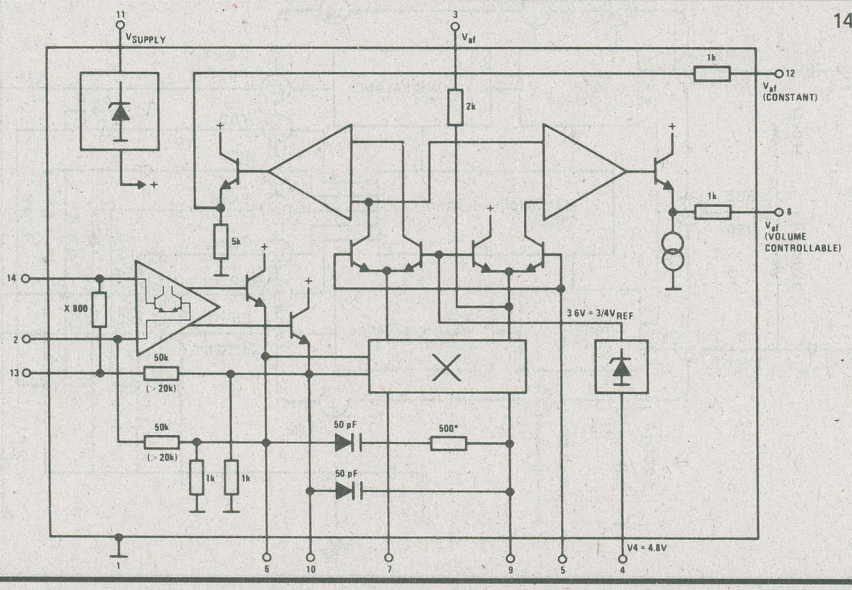
ECG1579 16-Pin DIP See Fig. L111

FM IF Amp w/AFC, Muting and Meter Driver, V_{CC} = 8 V Typ



ECG1580 14-Pin DIP See Fig. L104

TV/FM IF Amp, Det, w/VCR Audio Input, V_{CC} = 12 V Typ

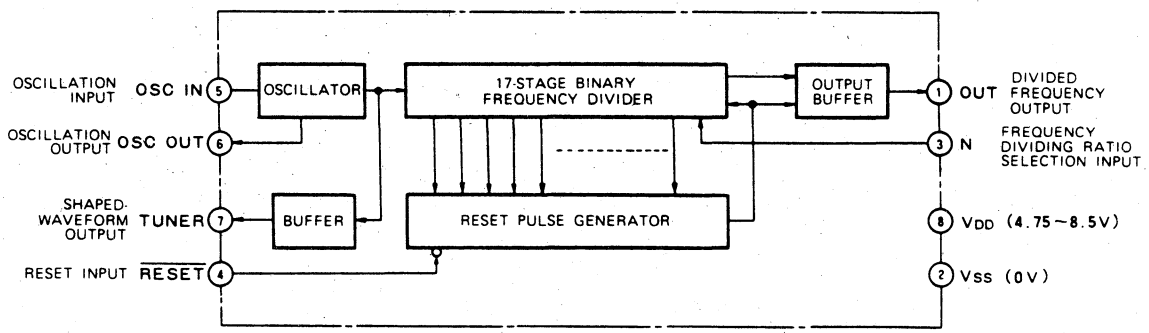


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

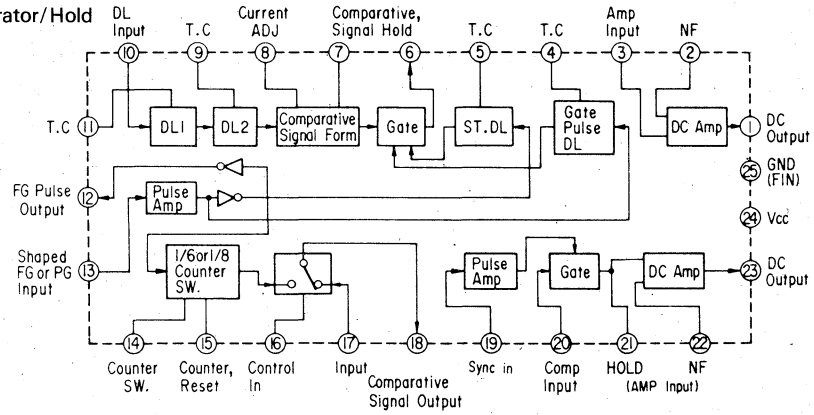
ECG1581 8-Pin DIP See Fig. L97

VCR Freq Divider/Counter (CMOS), V_{DD} = 6.5 V Typ



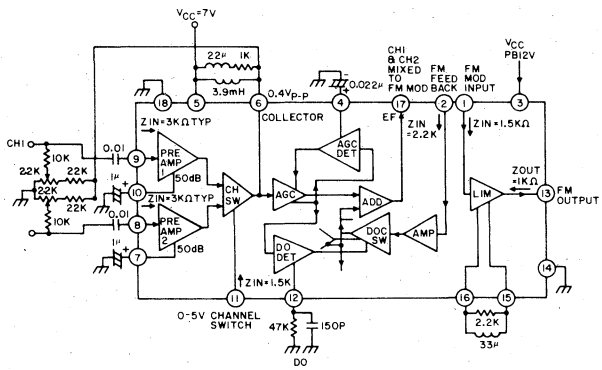
ECG1582 24-Pin DIP-ET See Fig. L153

VCR Counter/Dual Gate Amp/Comparator/Hold



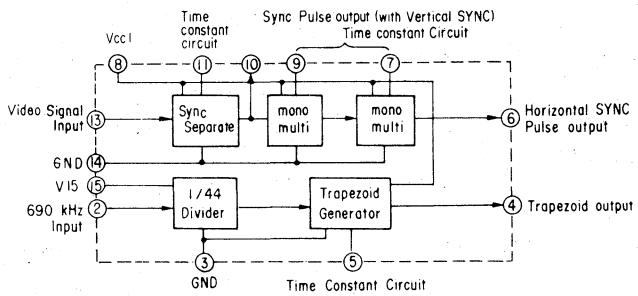
ECG1583 16+2-Pin DIP-ET See Fig. L114

VCR FM Demod/AGC/Clipper/Pre-Emph



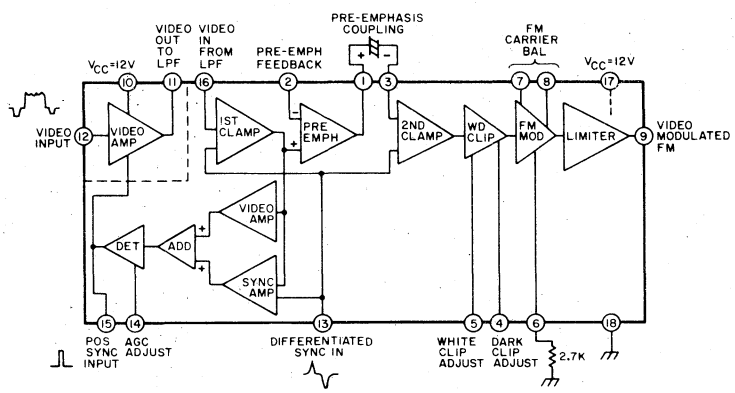
ECG1584 18-Pin DIP-ET See Fig. L152

VCR Sync Separator/Divider/Trapezoid Generator



ECG1585 16+2-Pin DIP-ET See Fig. L114

VCR Video/Sync Amp/AGC/FM Mod/Limiter



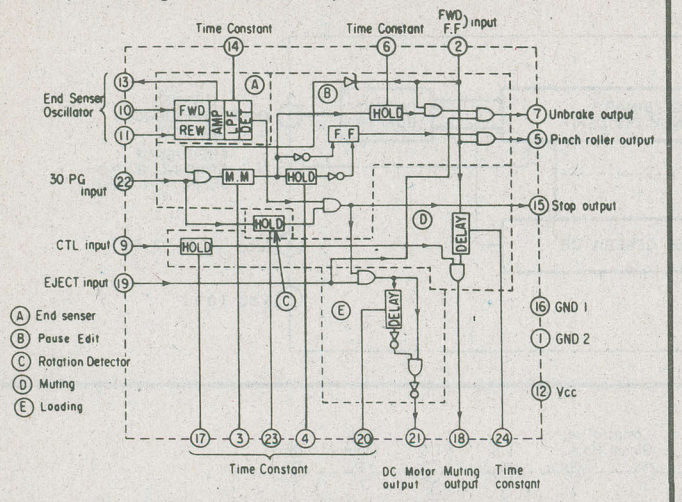
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Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

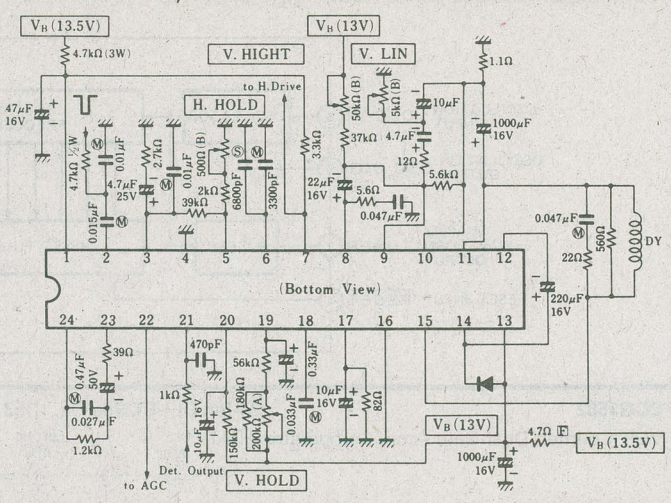
ECG1586 24-Pin DIP-ET See Fig. L153

VCR Tape Sensing/Mute/End of Tape Pause/Load/Rotation



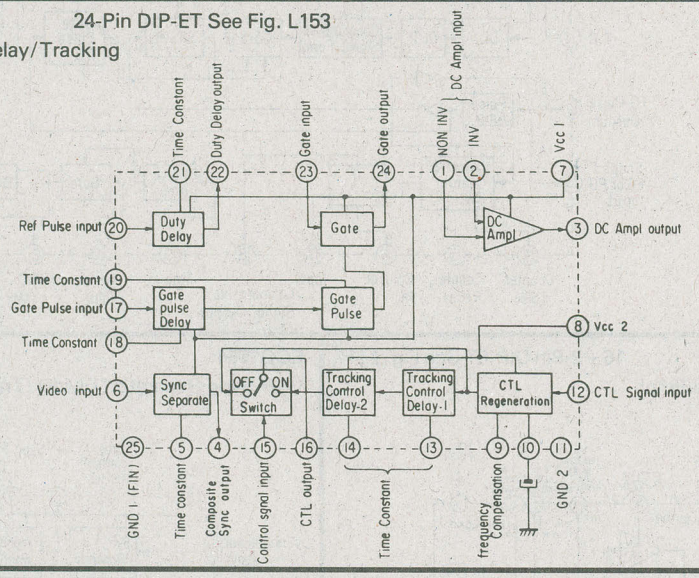
ECG1587 24-Pin DIP See Fig. L122A

Horiz/Vert/Osc/Sync/Driver



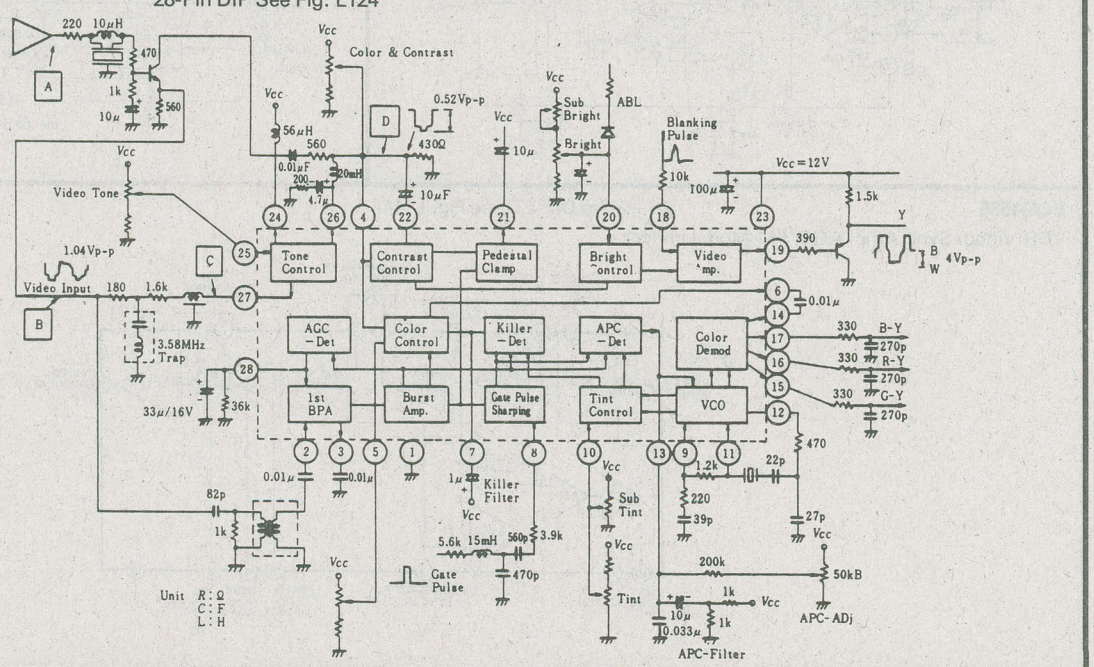
ECG1588 24-Pin DIP-ET See Fig. L153

VCR Drum Servo Control/Sync/Delay/Tracking



ECG1589 28-Pin DIP See Fig. L124

Chroma/Video Amp/Demod



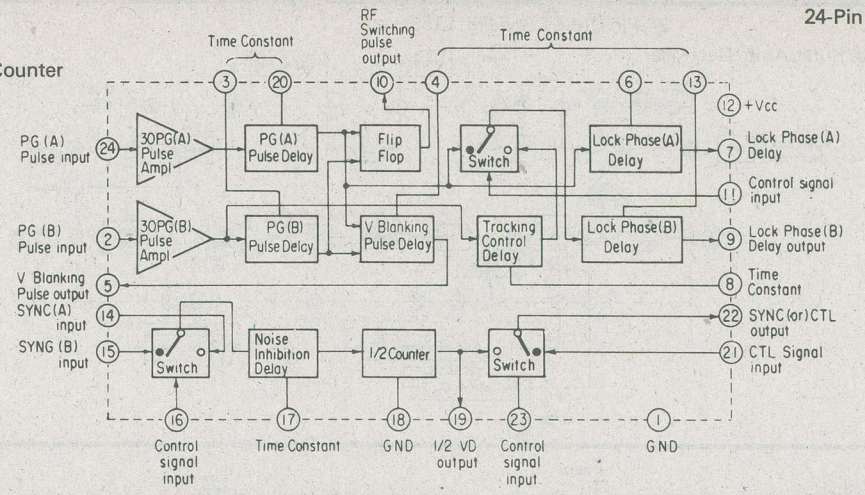
Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

ECG1590

VCR Drum/Capstan Servo Control/Phase/Blank Delay/Counter

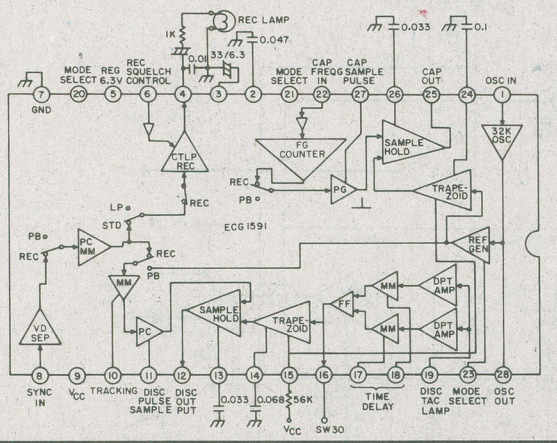
24-Pin DIP-ET See Fig. L153



ECG1591

VCR Capstan Phase Control System

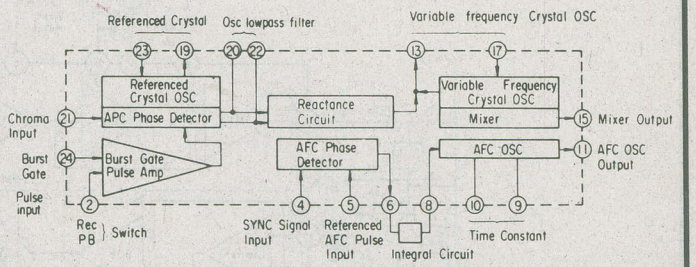
28-Pin DIP See Fig. L124



ECG1592

VCR Auto Phase/Freq Det/Color Osc and Mixer

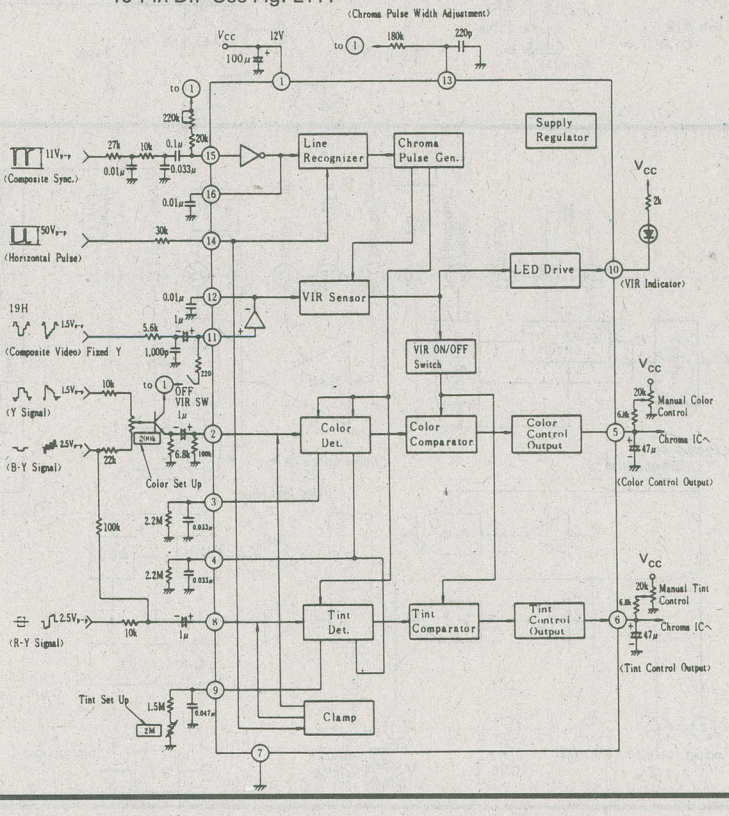
24-Pin DIP-ET See Fig. L153



ECG1593

VIR Signal Processor

16-Pin DIP See Fig. L111



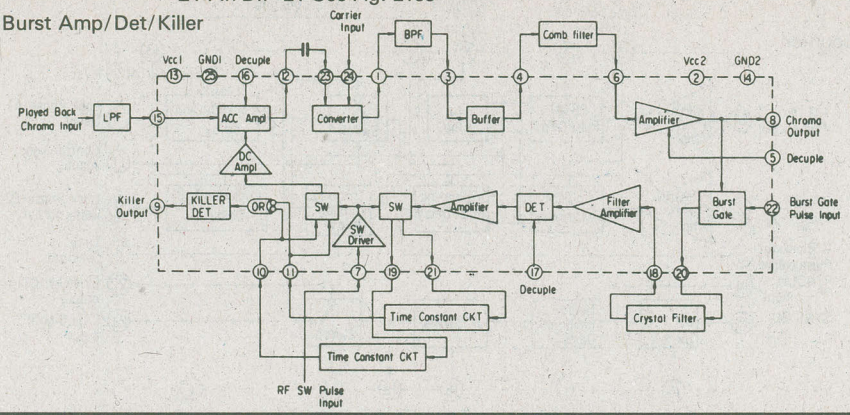
Package Outlines - See Page 1-297

N

Linear IC and Module Circuits (cont'd)

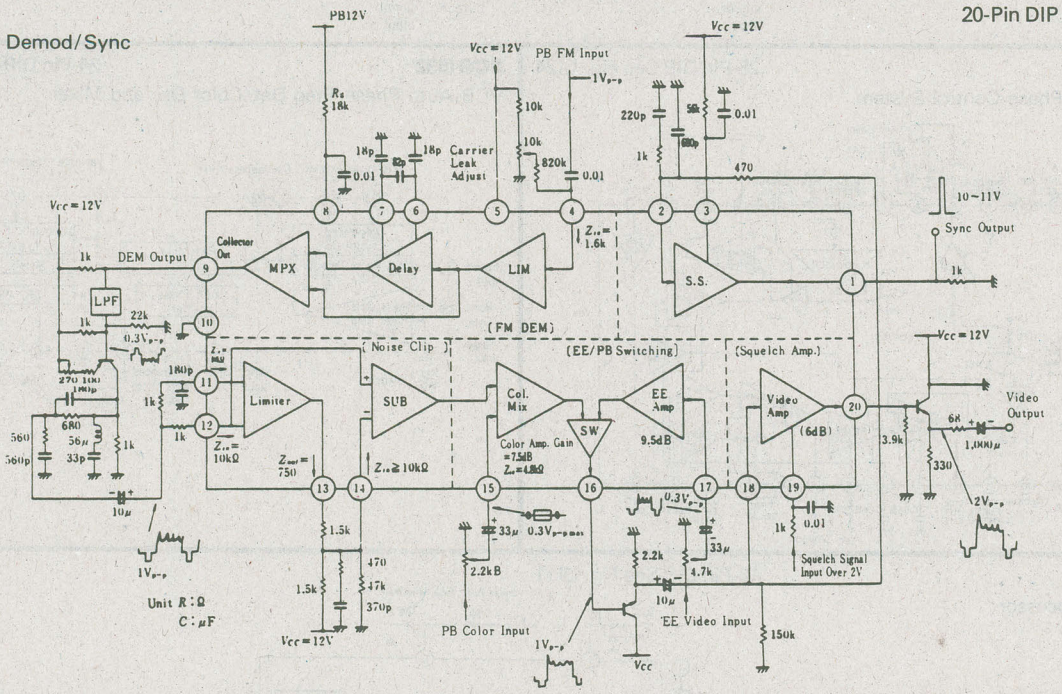
ECG1594 24-Pin DIP-ET See Fig. L153

VCR Playback/Chroma/Burst Amp/Det/Killer



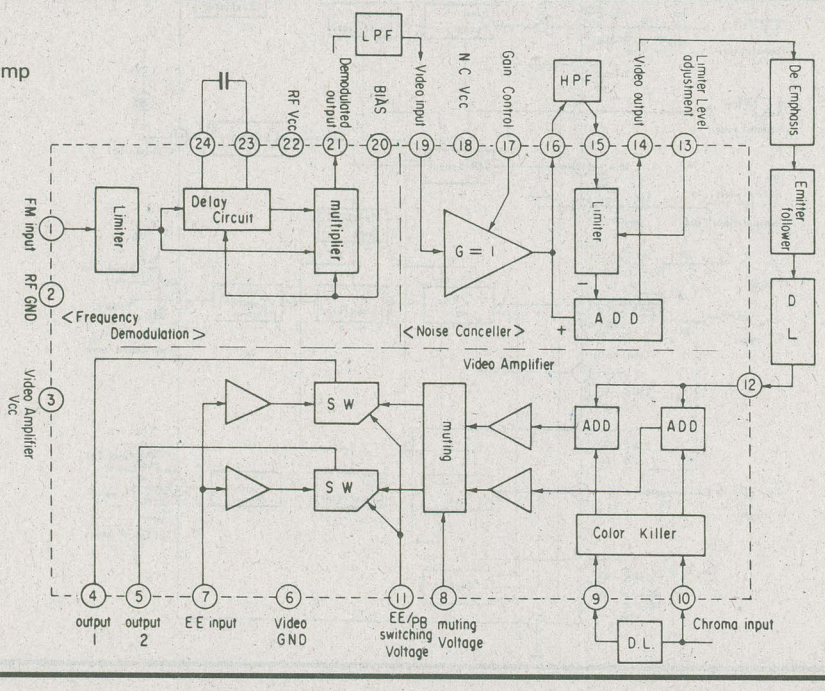
ECG1595 20-Pin DIP See Fig. L118

VCR FM Limiter Demod/Sync Sep/Video Amp



ECG1596 24-Pin DIP-ET See Fig. L153

VCR Freq Demod/Noise Cancel/Video Chroma Amp

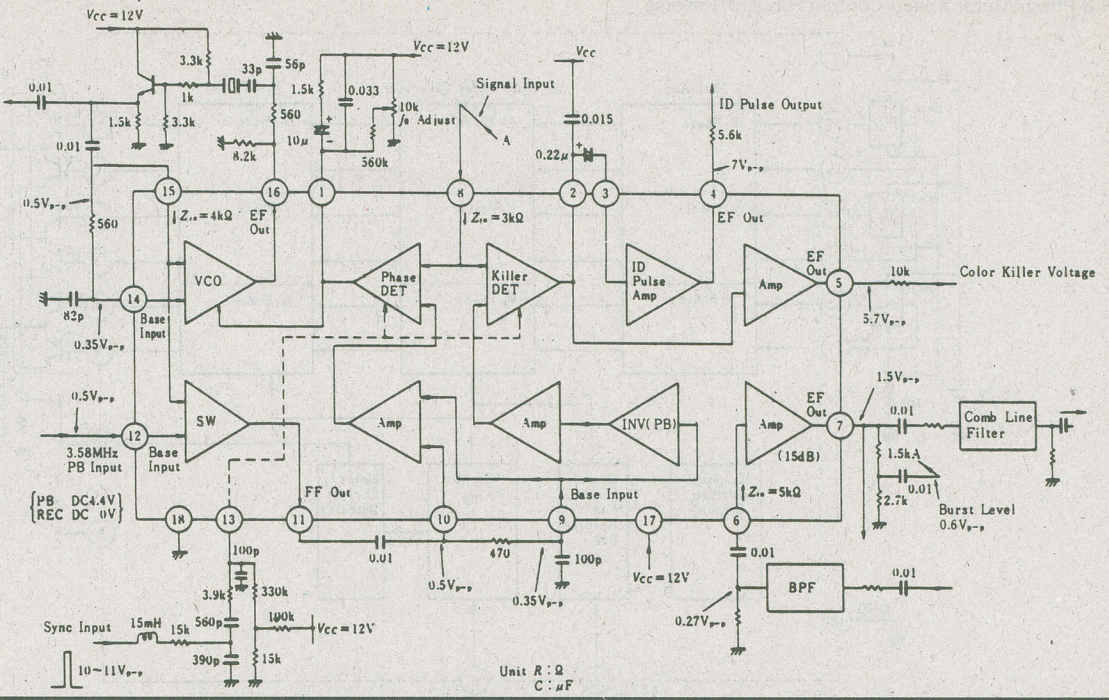


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

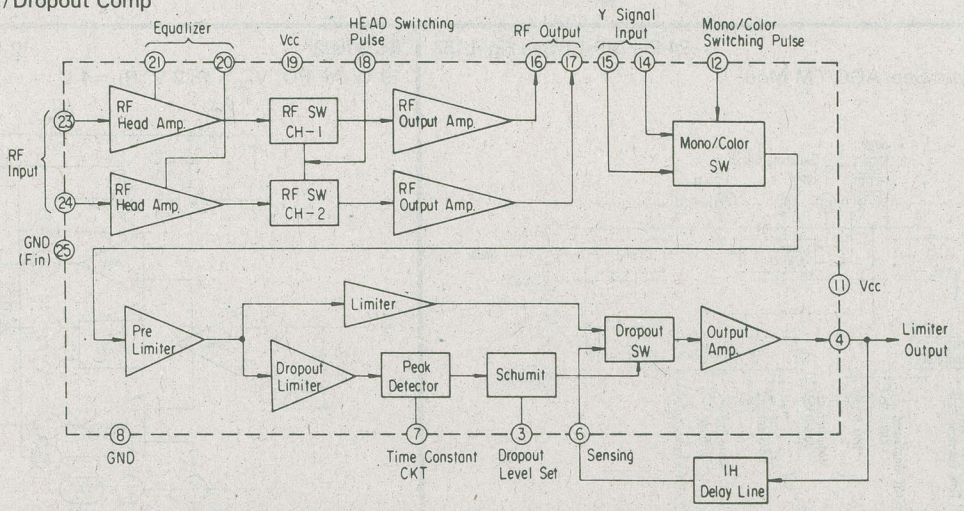
ECG1597 16+2-Pin DIP-ET See Fig. L114

Chroma Amp/VCO/Burst/Buffer Amp



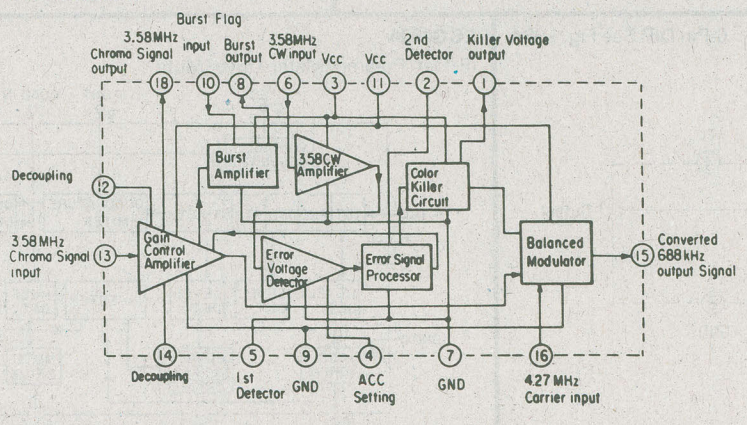
ECG1598 24-Pin DIP-ET See Fig. L153

VCR Head Amp/Limiter/Dropout Comp



ECG1599 18-Pin DIP-ET See Fig. L152

VCR Chroma Processor and 688 kHz Modulator



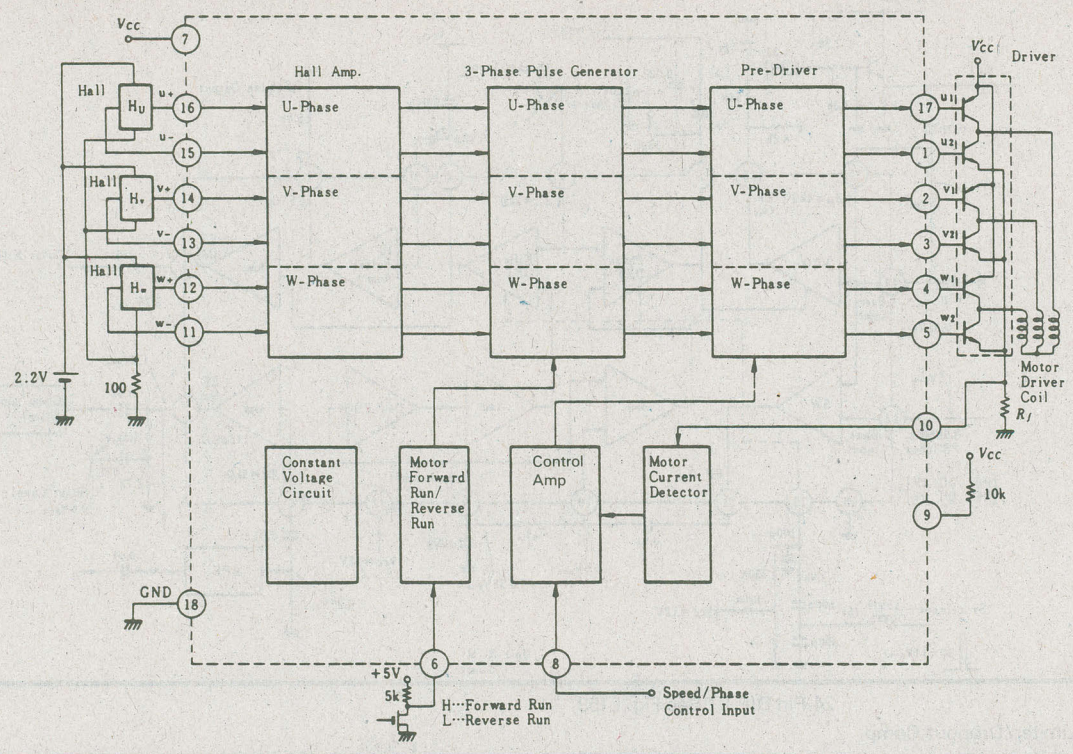
Package Outlines - See Page 1-297

N

Linear IC and Module Circuits (cont'd)

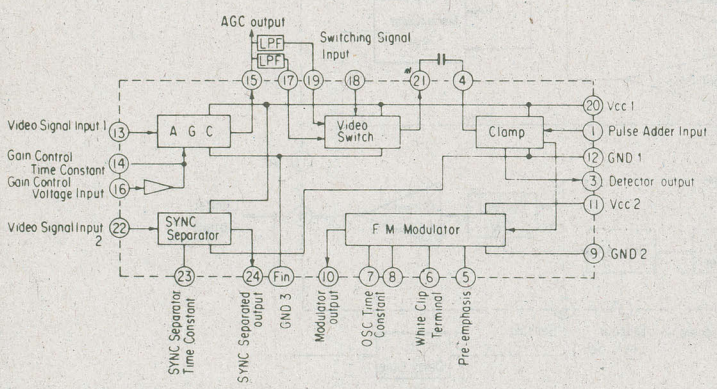
ECG1600 16+2-Pin DIP-ET See Fig. L114

VCR 3-Phase Motor Speed Control/Forward/Reverse



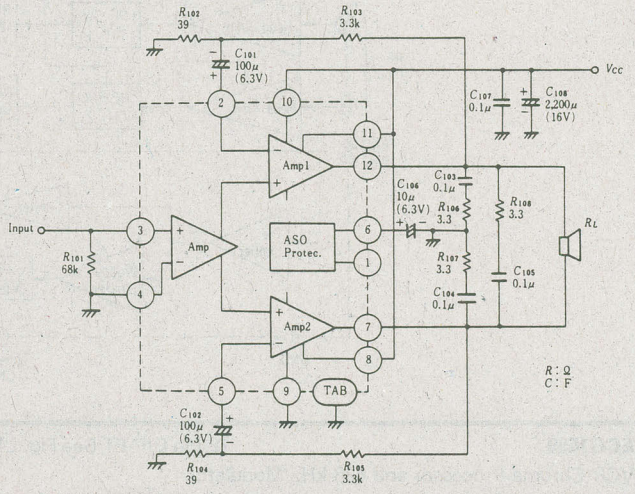
ECG1601 24-Pin DIP-ET See Fig. L153

VCR Video Sw/Sync Sep/AGC/FM Mod



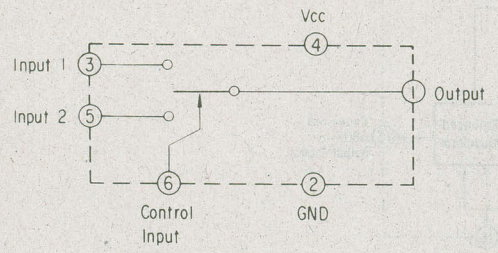
ECG1602 12-Pin SIP-HS See Fig. L92

19 W AF PO, V_{CC} = 13.2 V, R_L = 4 Ω



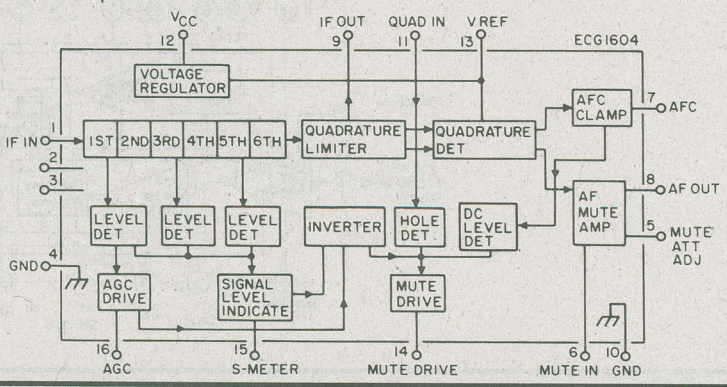
ECG1603 6-Pin DIP See Fig. L96A

VCR Electronic Switch



ECG1604 16-Pin ZIL See Fig. L46

IF/Det/Preamp/Meter Drive/Mute

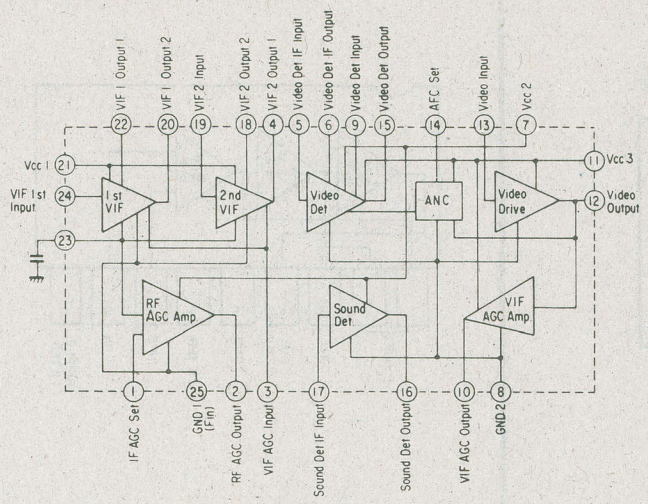


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

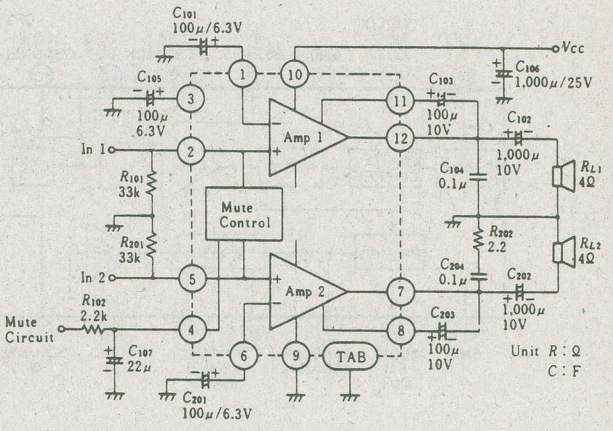
ECG1605 24-Pin DIP-ET See Fig. L153

VCR VIF Amp/Det/Video Amp/Audio Det/AGC



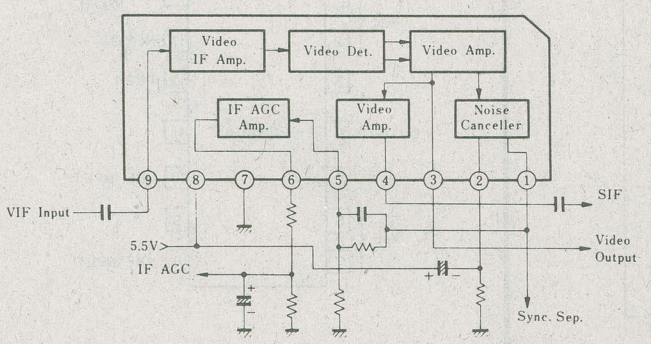
ECG1606 12-Pin SIP-HS See Fig. L92

Dual 4.3 W/Ch AF PO, V_{CC} = 12 VDC, R_L = 4 Ω



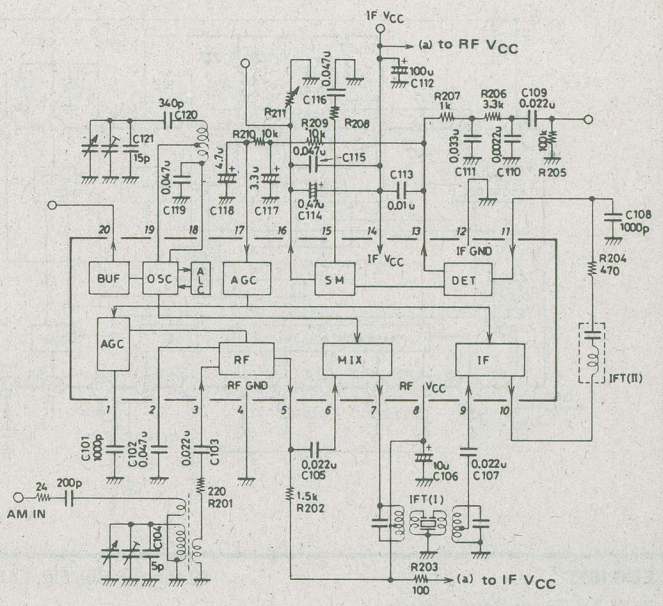
ECG1607 9-Pin SIP See Fig. L41

VIF/Det/Video Amp/AGC, V_{CC} = 5.5 V Typ



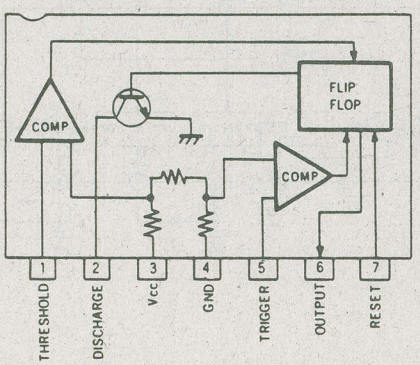
ECG1608 20-Pin DIP See Fig. L118

AM RF Amp/Osc/Mix/IF/Det for Electronic Tuning



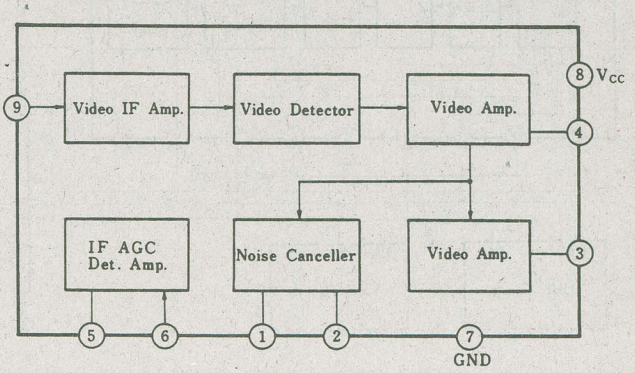
ECG1609 7-Pin SIP See Fig. L31A

VCR Instrumentation Timer



ECG1610 9-Pin SIP See Fig. L41

VIF Amp/Det/Video Amp/AGC, V_{CC} = 11 V Typ



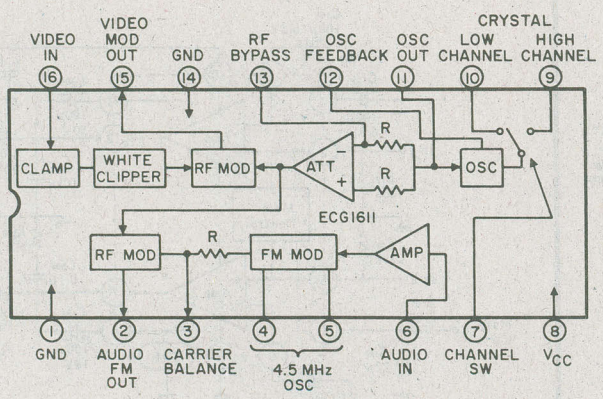
Package Outlines - See Page 1-297

N

Linear IC and Module Circuits (cont'd)

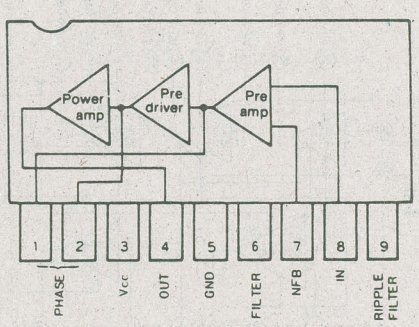
ECG1611 16-Pin DIP See Fig. L111

VCR Video and FM Sound Mod/Carrier Osc



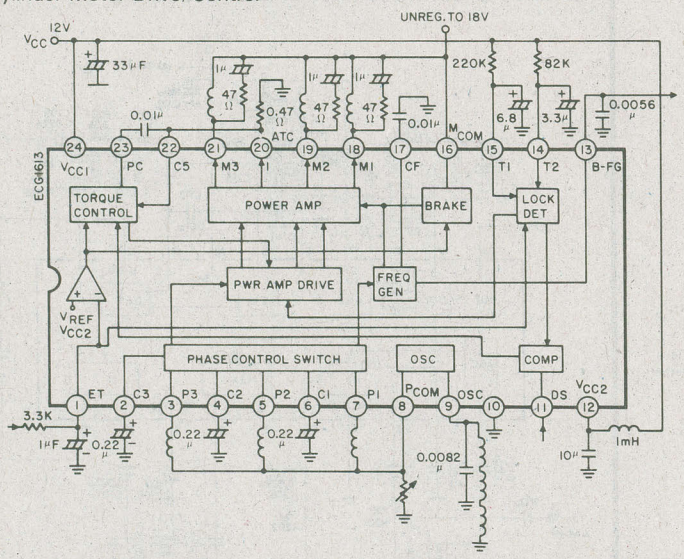
ECG1612 9-Pin SIP See Fig. L40

700 mW AF PO for Battery Use, V_{CC} = 6 V, R_L = 8 Ω



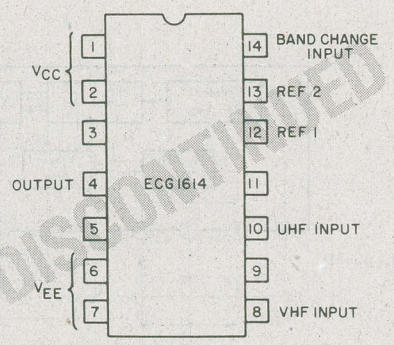
ECG1613 24-Pin DIP See Fig. L122A

VCR Cylinder Motor Drive/Control



ECG1614 14-Pin DIP See Fig. L104

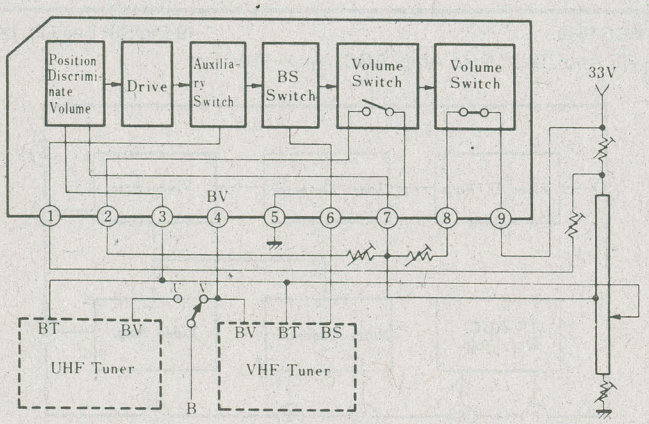
UHF/VHF TV Tuner Prescaler, ÷256



DISCONTINUED

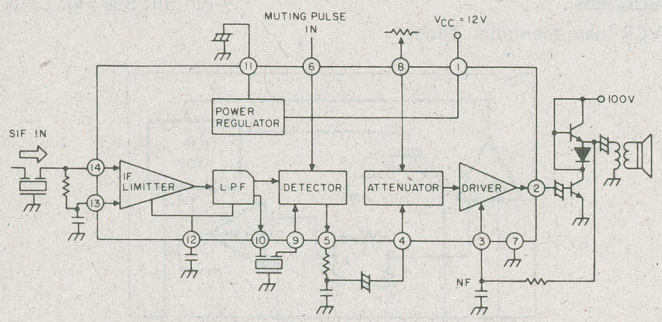
ECG1615 9-Pin SIP See Fig. L41

B/W TV Tuner Band Switch



ECG1616 14-Pin DIP See Fig. L104

TV Sound IF Amp/Det/Driver, V_{CC} = 12 V Typ

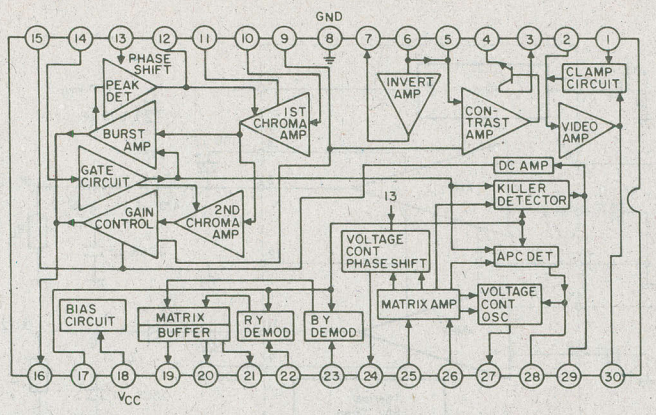


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

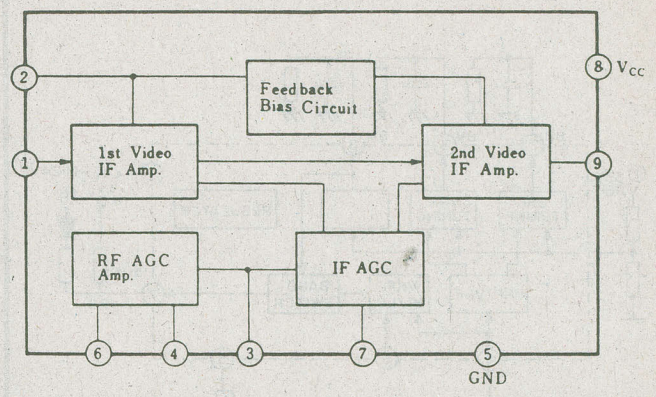
ECG1617 30-Pin DIP See Fig. L124B

TV Video and Chroma Processor/Demod, V_{CC} = 12 V Typ



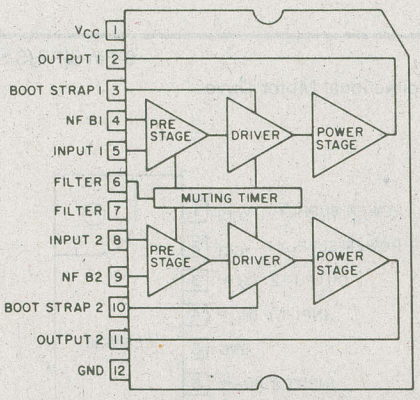
ECG1618 9-Pin SIP See Fig. L41

TV Video IF Amp and AGC, V_{CC} = 11 V Typ



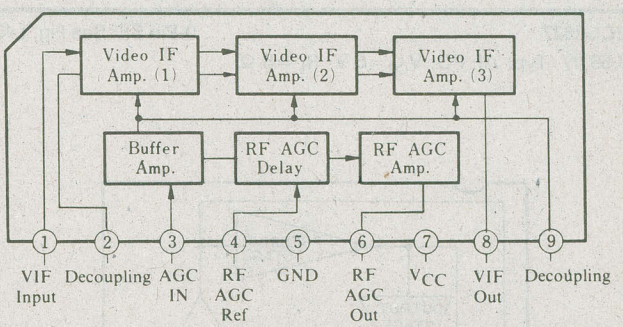
ECG1619 12-Pin SIP See Fig. L55

Dual 4.5 W/Ch AF PO, V_{CC} = 12 V, R_L = 4 Ω



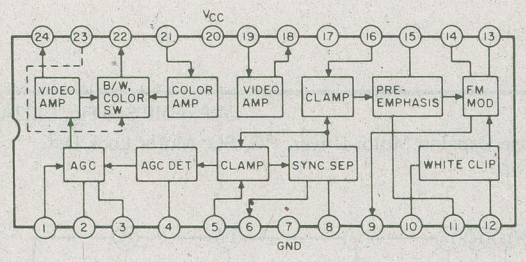
ECG1620 9-Pin SIP See Fig. L41

IC-TV Video IF/AGC, B & W, V_{CC} = 5.5 V Typ



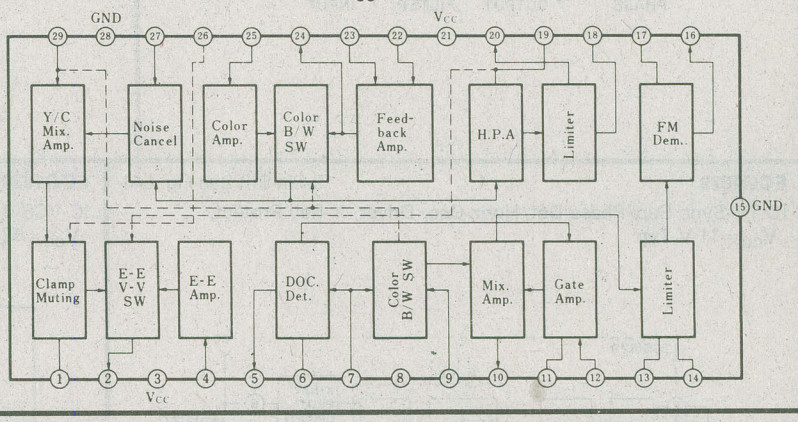
ECG1621 24-Pin DIP See Fig. L122

VCR Recording Video Proc/FM Mod/ AGC/Sync/Clamp, V_{CC} = 12 V DC



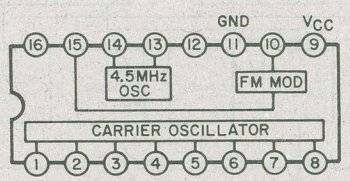
ECG1622 28-Pin DIP-HS See Fig. L154

VCR Video/Color Amp/FM Demod, V_{CC} = 12 V



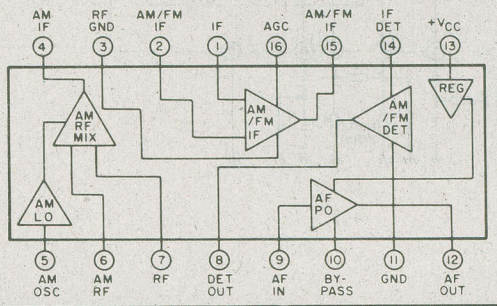
ECG1623 16-Pin DIP See Fig. L111

VCR Carrier Osc/FM Demod



ECG1624 16-Pin DIP See Fig. L111

AM/FM IF/Det/AM Osc/Mix/AGC/AF Out, V_{CC} = 9 V



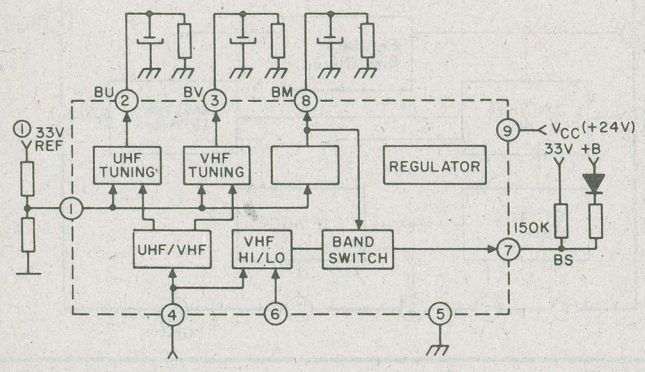
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Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

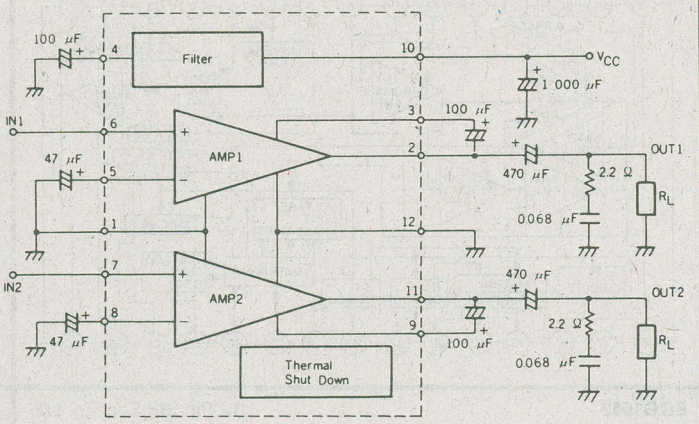
ECG1625 9-Pin SIP See Fig. L41

Tuner Band Switch/Tuning, $V_{CC}=24$ V, $V_{ref}=33$ V



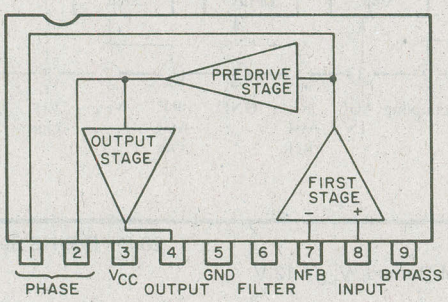
ECG1626 12-Pin SIP See Fig. L57

Dual 4.2 W/Ch AF PO, $V_{CC}=12$ V, $R_L=4\Omega$



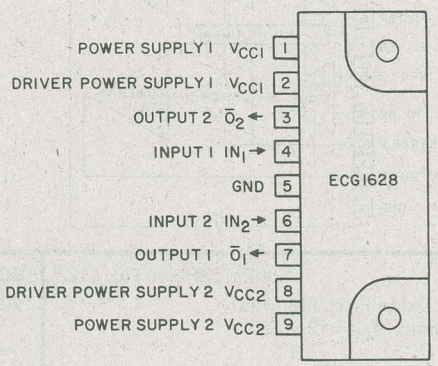
ECG1627 9-Pin SIP See Fig. L40

0.55 W (Typ) AF PO, $V_{CC}=6$ V, $R_L=8\ \Omega$



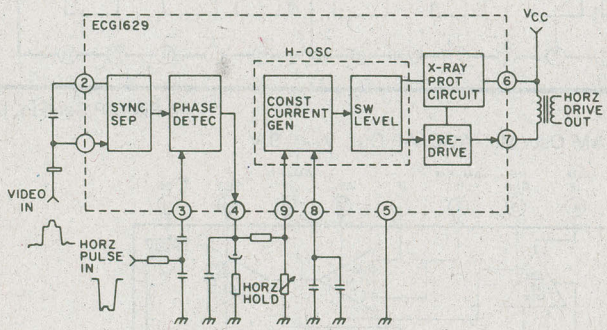
ECG1628 9-Pin SIP-HS See Fig. L80

VCR Loading/Bi-directional Motor Drive



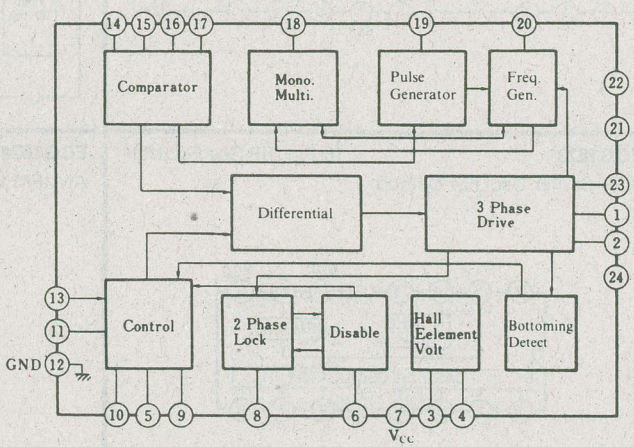
ECG1629 9-Pin SIP See Fig. L41

IC-TV Sync Sep/Phase Det/Horiz Osc, Driver, X-Ray Protect, $V_{CC}=11$ V Typ



ECG1630 24-Pin DIP See Fig. L122A

IC-VCR 3 Phase Capstan Motor Driver, PG, FG, Motor Lock Det. $V_{CC}=12$ V Typ

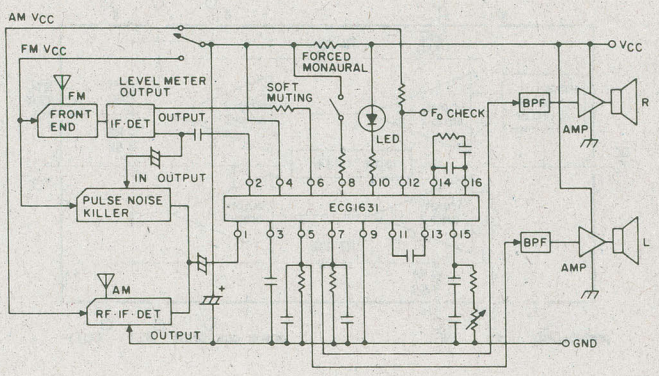


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

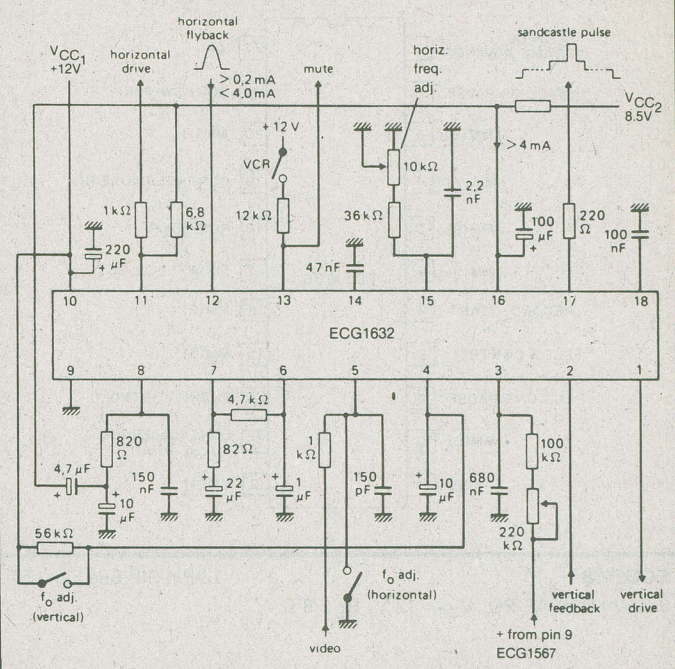
ECG1631 16-Pin ZIL See Fig. L47A

IC-FM Stereo Demod, Soft Muting, Pop Noise Reduction, V_{CC} = 9 V Typ



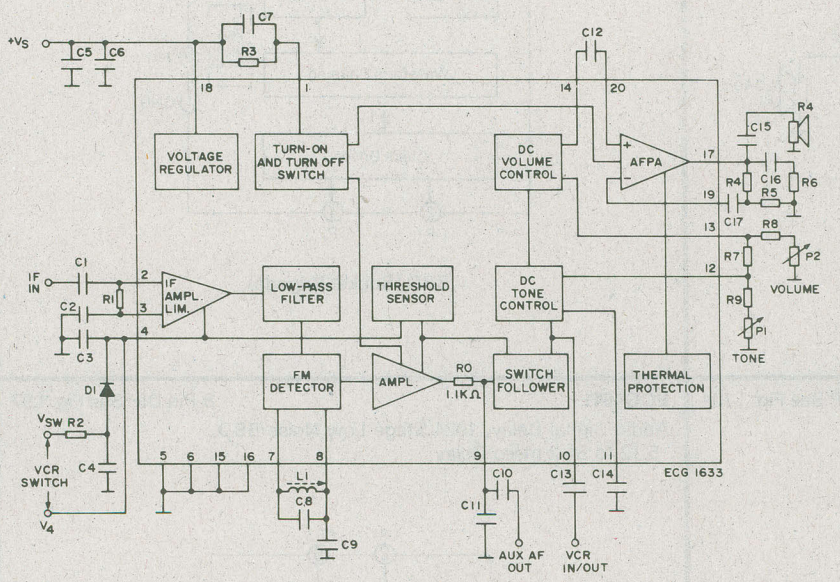
ECG1632 18-Pin DIP See Fig. L115

IC-Horiz, Vert, Osc, Sync, Driver, V_{CC1} = 12 V Typ, V_{CC2} = 8.5 V Typ



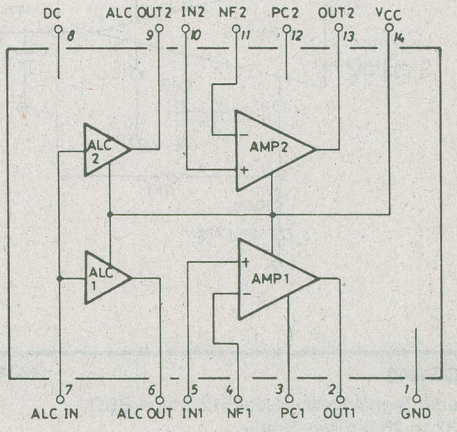
ECG1633 20-Pin DIP See Fig. L118A

IC-TV Sound IF, Tone, Vol, FM Det, Limiter, Preamp, P_O = 4 W, R_L = 16 Ω, V_S = 24 V Typ



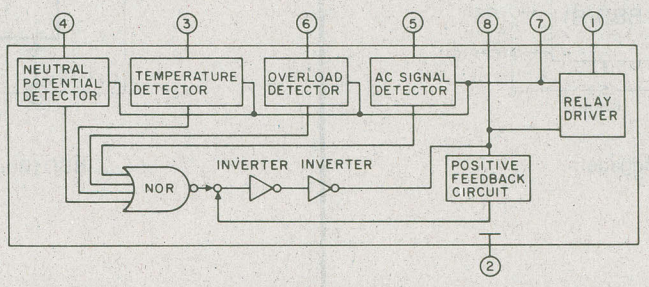
ECG1634 14-Pin DIP See Fig. L104

Dual Channel AF Preamp



ECG1635 8-Pin SIP See Fig. L35A

Spkr Protector/Voltage/Temp/Overload

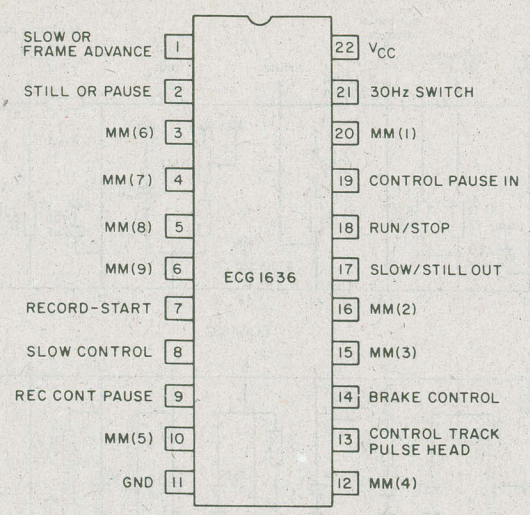


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Linear IC and Module Circuits (cont'd)

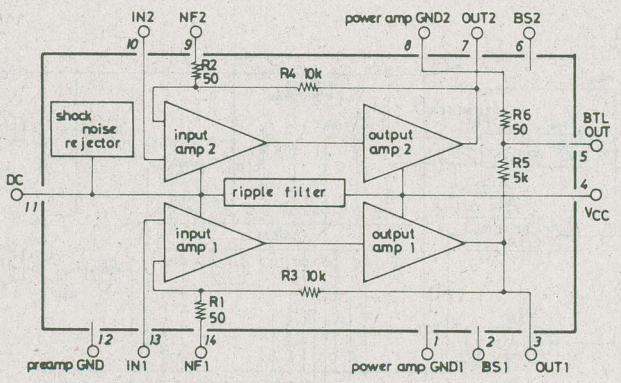
ECG1636 22-Pin DIP See Fig. L121

VCR Phase/Still Control



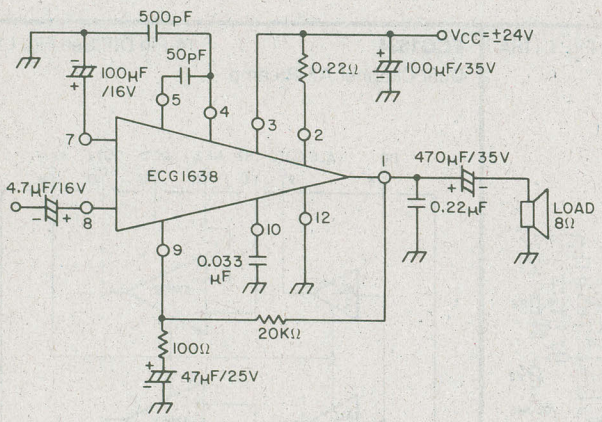
ECG1637 14-Pin SIP See Fig. L58

Dual 4.2 W (Typ)/Ch AF PO



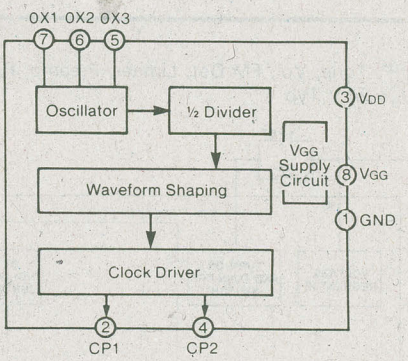
ECG1638 12-Pin SIP See Fig. L57

6.5 W (Typ) AF PO, $V_{CC}=12$ V, $R_L=8\ \Omega$



ECG1639 8-Pin DIP See Fig. L97

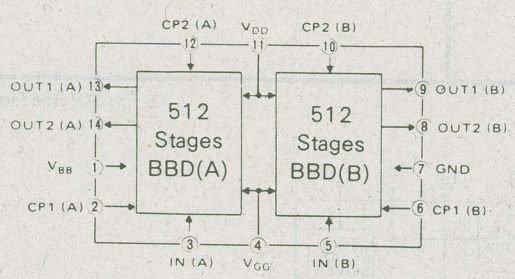
Clock Generator/Driver for BBD's



BBD (Bucket Brigade)

ECG1640 14-Pin DIP See Fig. L104

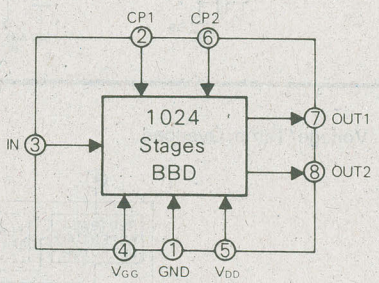
Audio Signal Delay, Dual 512 Stage BBD, .32 to 25.6 msec/Stage



BBD (Bucket Brigade)

ECG1641 8-Pin DIP See Fig. L97

Audio Signal Delay, 1024 Stage Low Noise BBD, 5.12 to 51.2 msec Delay



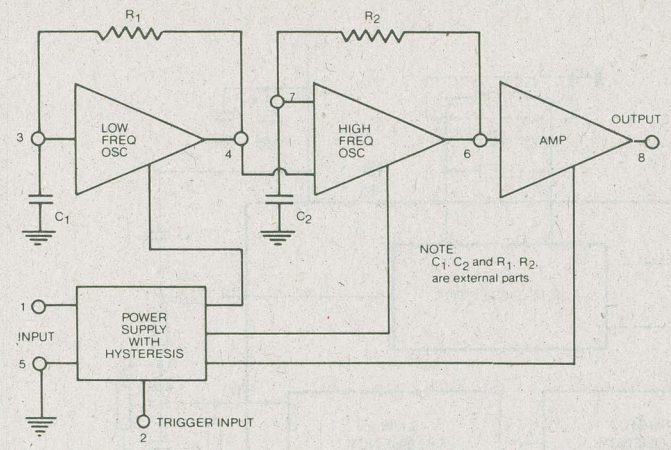
BBD (Bucket Brigade)

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Linear IC and Module Circuits (cont'd)

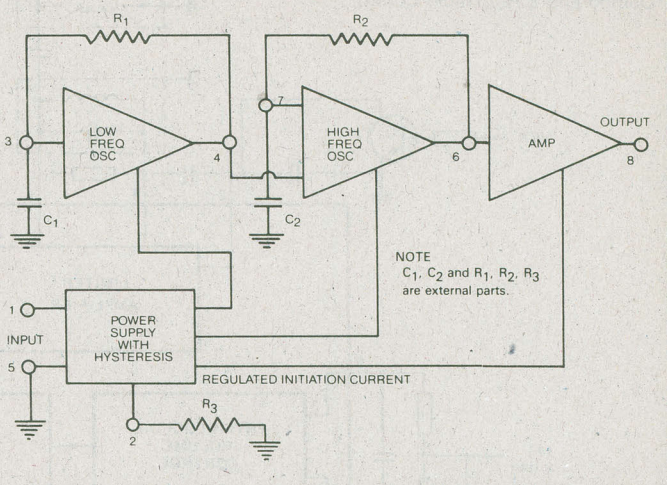
ECG1648 8-Pin DIP See Fig. L97

Telephone Tone Ringer, Programmable Threshold, with Logic Inhibit



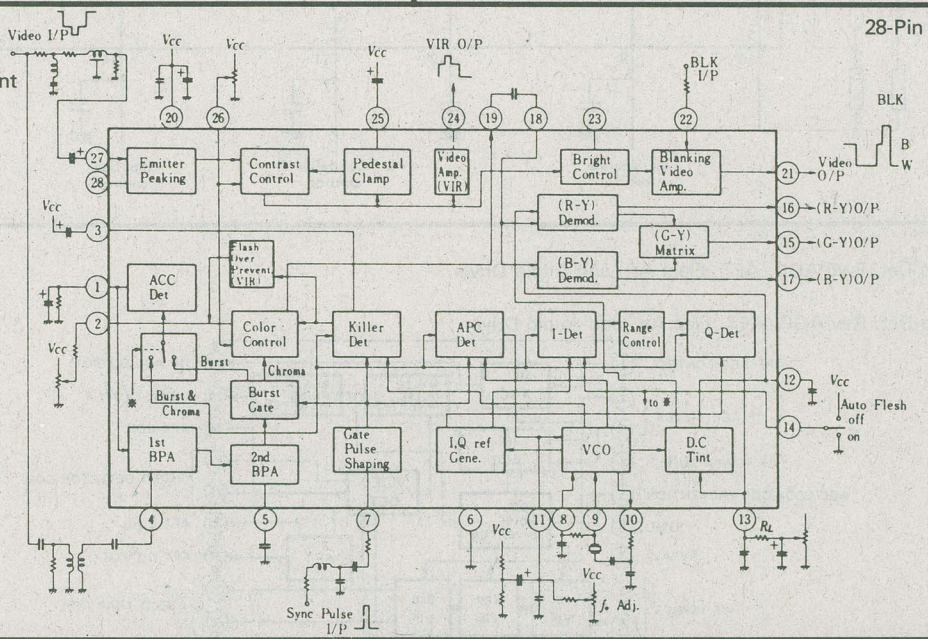
ECG1649 8-Pin DIP See Fig. L97

Telephone Tone Ringer - Current Initiated



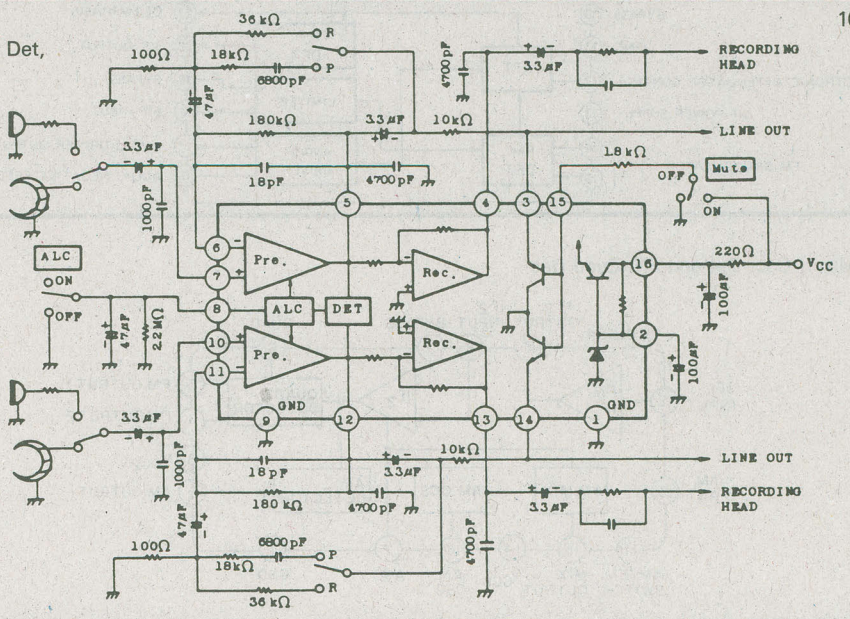
ECG1650 28-Pin DIP See Fig. L124

TV Video, Chroma, Amp, Demod, Color Osc, Auto Tint



ECG1651 16-Pin DIP See Fig. L111

Recorder Dual Preamp w/ALC Det, Muting, V_{CC} = 9 V Typ

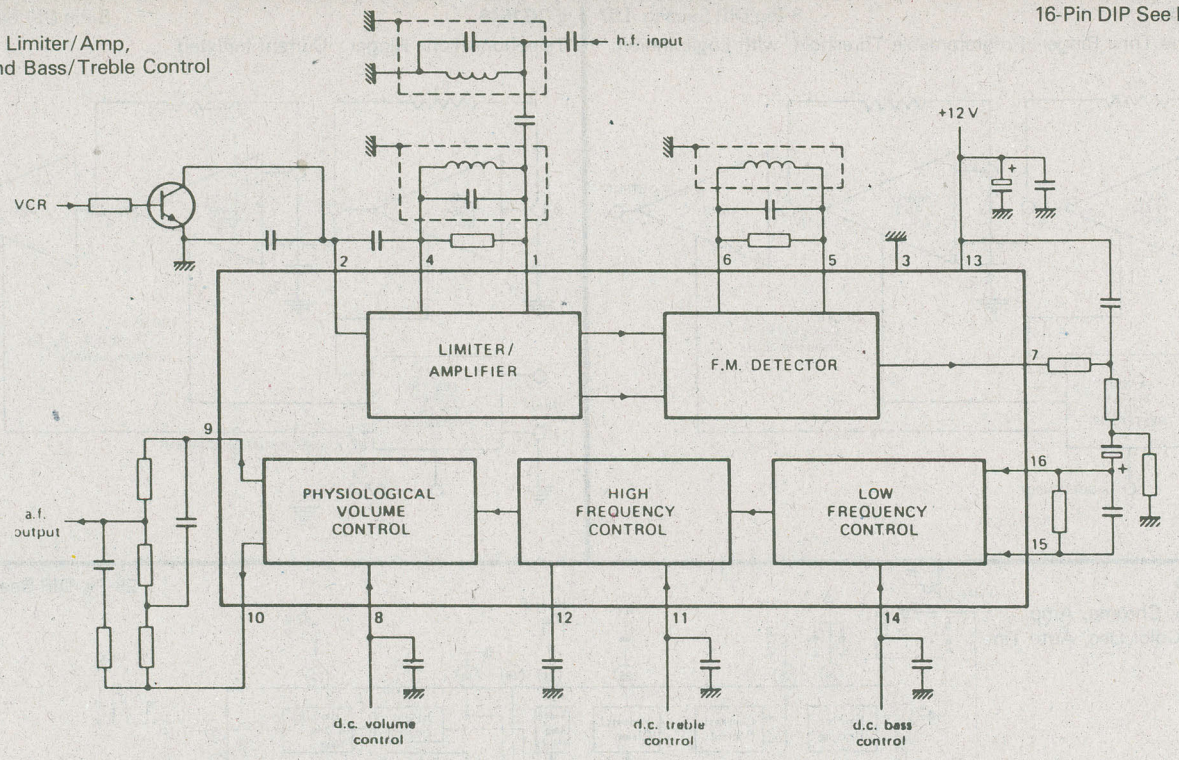


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Linear IC and Module Circuits (cont'd)

ECG1652
TV Audio Limiter/Amp,
Demod and Bass/Treble Control

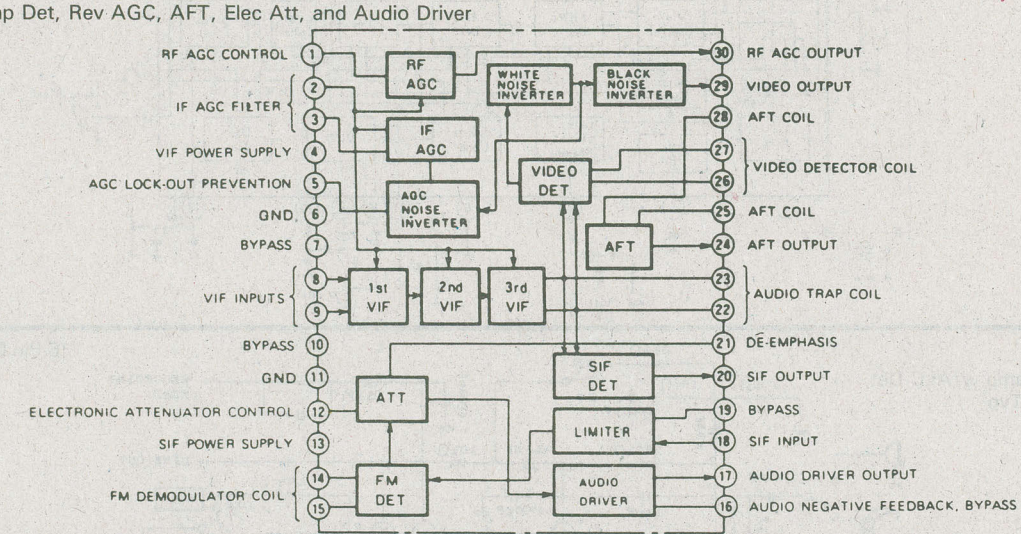
16-Pin DIP See Fig. L111



ECG1653
TV VIF/SIF Amp Det, Fwd AGC, AFT, Elect Att, and Audio Driver

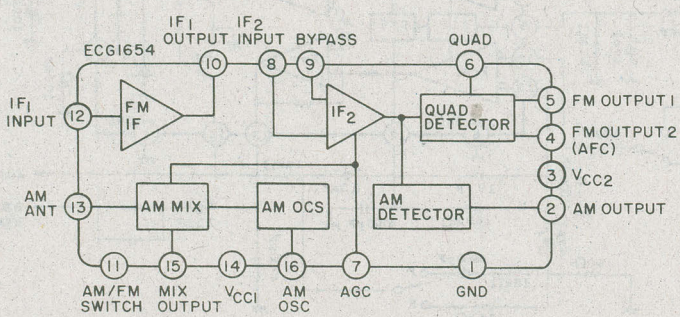
30-Pin DIP See Fig. L124B

ECG1656
TV VIF/SIF Amp Det, Rev AGC, AFT, Elec Att, and Audio Driver



ECG1654
AM/FM IF Amp, AM-Mixer, Osc, Det and FM-Quad Det

16-Pin DIP See Fig. L111

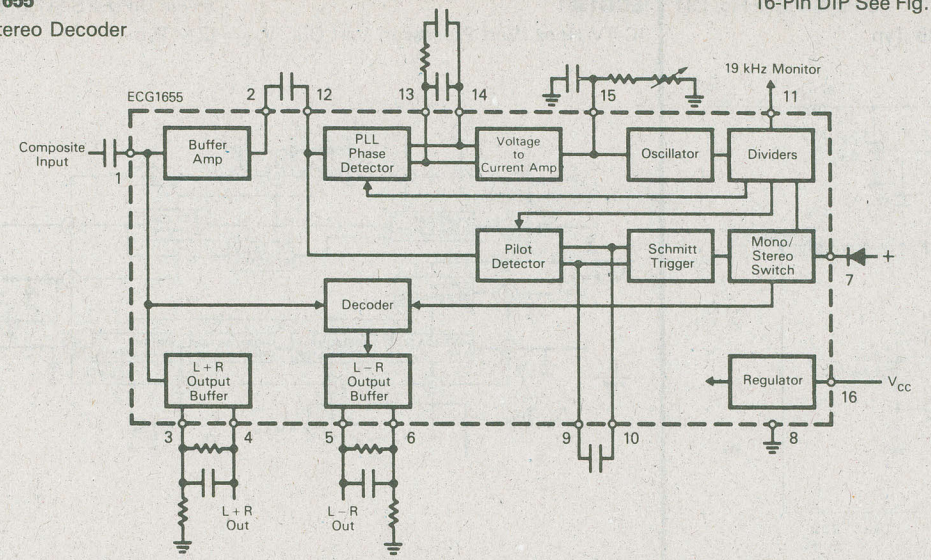


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

ECG1655
TV Stereo Decoder

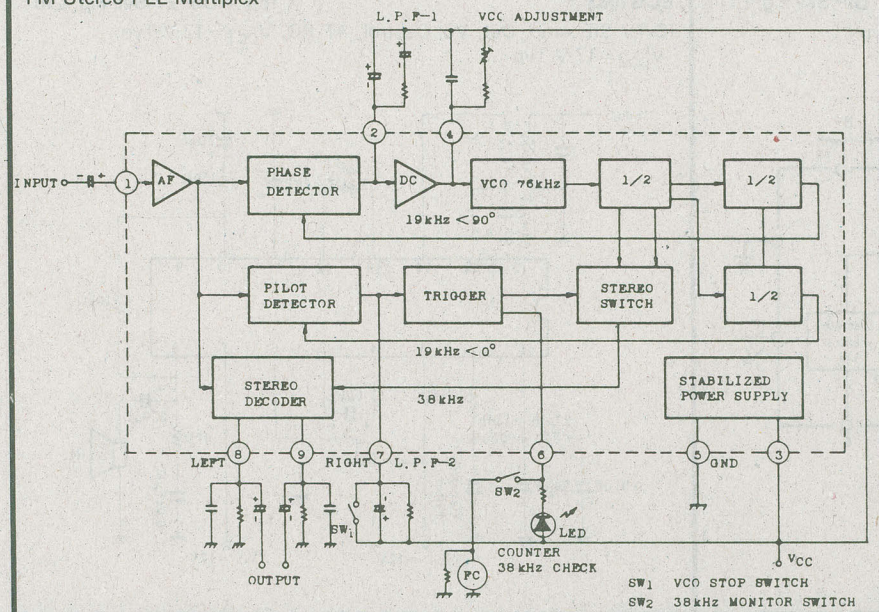
16-Pin DIP See Fig. L111



ECG1656
See ECG1653
Page 1-274

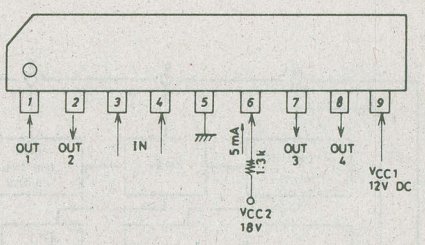
ECG1657
FM Stereo PLL Multiplex

9-Pin SIP See Fig. L39



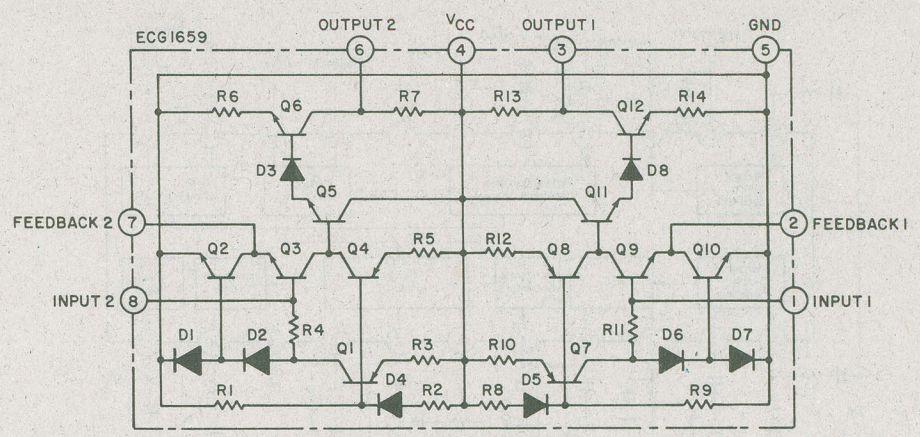
ECG1658
TV Tuner Band Selector

9-Pin SIP See Fig. L36



ECG1659
Dual AF Preamp

8-Pin SIP See Fig. L35



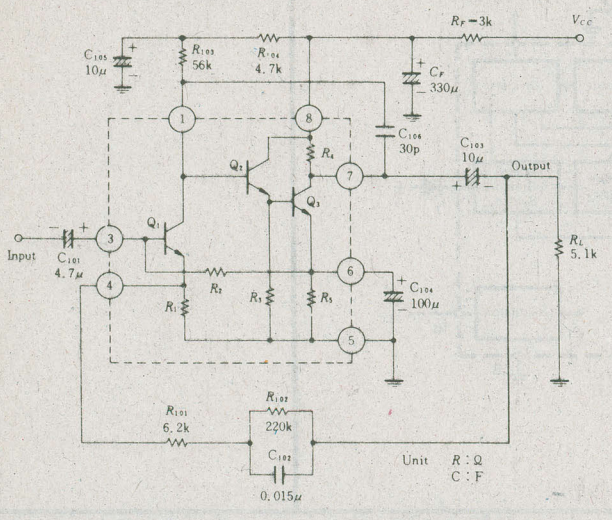
Package Outlines - See Page 1-297

N

Linear IC and Module Circuits (cont'd)

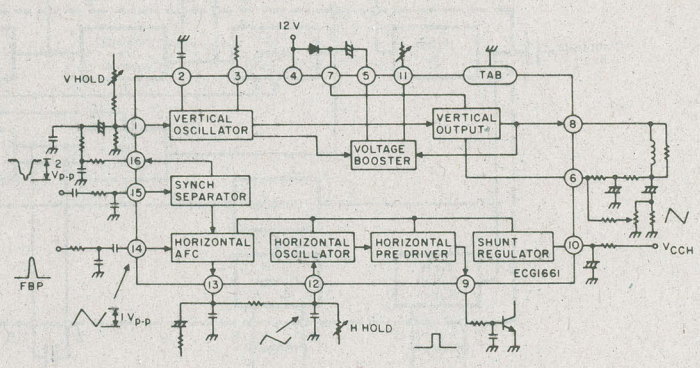
ECG1660 8-Pin SIP See Fig. L34

IC-Audio Preamp, V_{CC} = 9 V, V_G = 53 dB Typ



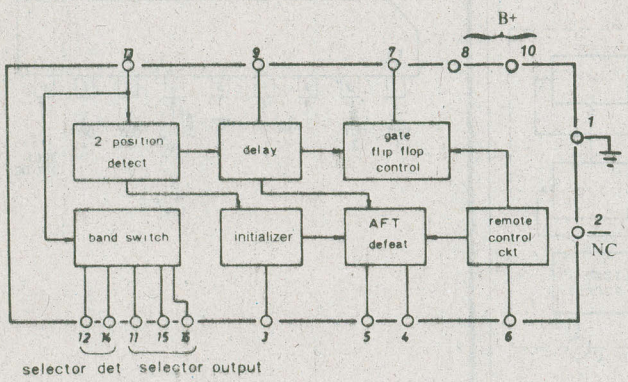
ECG1661 16-Pin DIP-ET See Fig. L150A

IC-TV Horiz, Vert Processor, Vert Out, V_{CC} = 12 V Typ



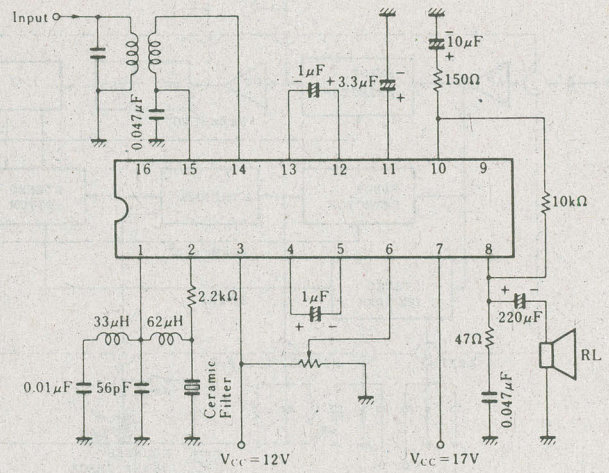
ECG1662 16-Pin DIP See Fig. L111

IC-TV/FM Channel Selector Controller, B + = 18 V Typ



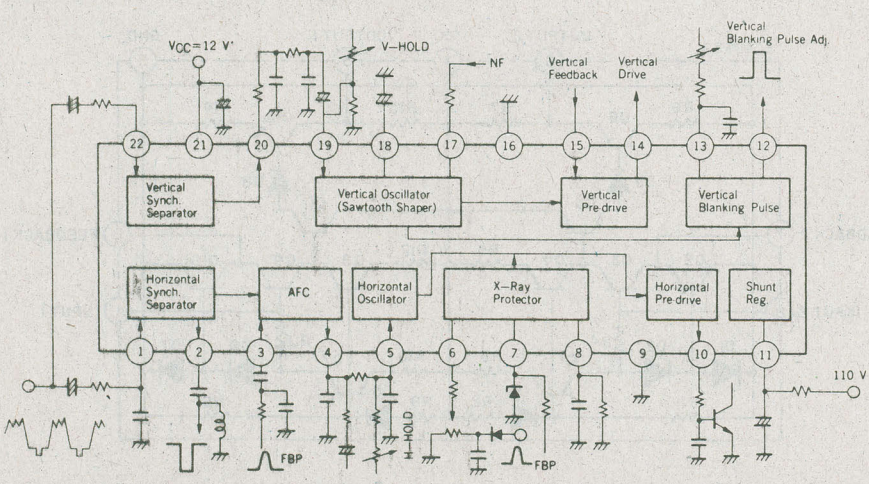
ECG1663 16-Pin DIP-ET See Fig. L151

IC-TV SIF Amp, Det, Vol Control, AF PO, V_{CC1} = 12 V Typ, V_{CC2} = 17 V Typ



ECG1664 22-Pin DIP See Fig. L121

IC-TV Sync Horiz, Vert Osc, Driver, AFC, X-Ray Protect, V_{CC} = 12 V Typ

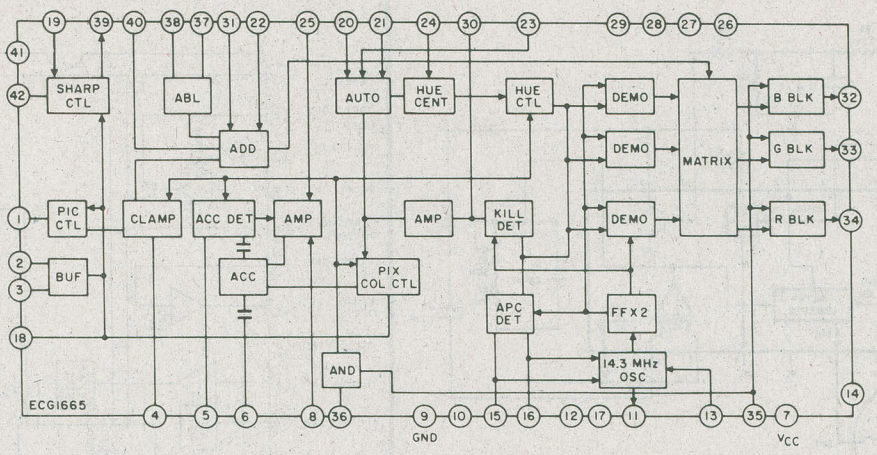


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

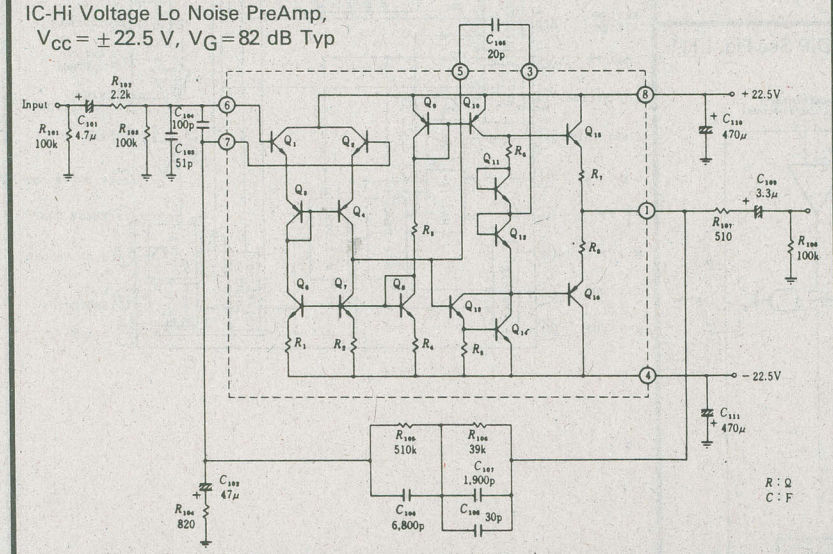
ECG1665 42-Pin DIP See Fig. L126

IC-TV Chroma, Vid Amp, Demod, RGB, APC, ACC, V_{CC} = 12 V Typ



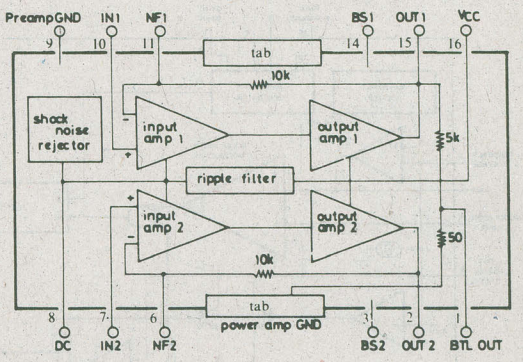
ECG1666 8-Pin SIP See Fig. L34

IC-Hi Voltage Lo Noise PreAmp,
V_{CC} = ±22.5 V, V_G = 82 dB Typ



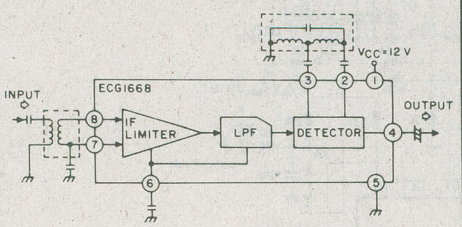
ECG1667 16-Pin DIP-W See Fig. L136

IC-Dual AF PO, 2.3 W, Bridge (BTL) 4.7 W, V_{CC} = 9 V,
R_L = 8 Ω



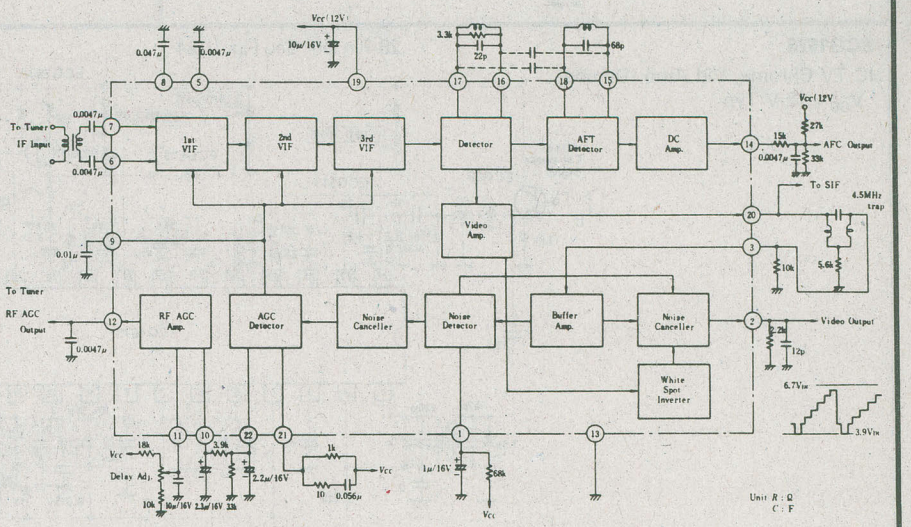
ECG1668 8-Pin SIP See Fig. L35

IC-TV Sound IF, Detector, V_{CC} = 12 V Typ



ECG1669 22-Pin DIP See Fig. L121

IC-TV VIF, Det, Vid Amp, AFT, Fwd AGC, V_{CC} = 12 V Typ

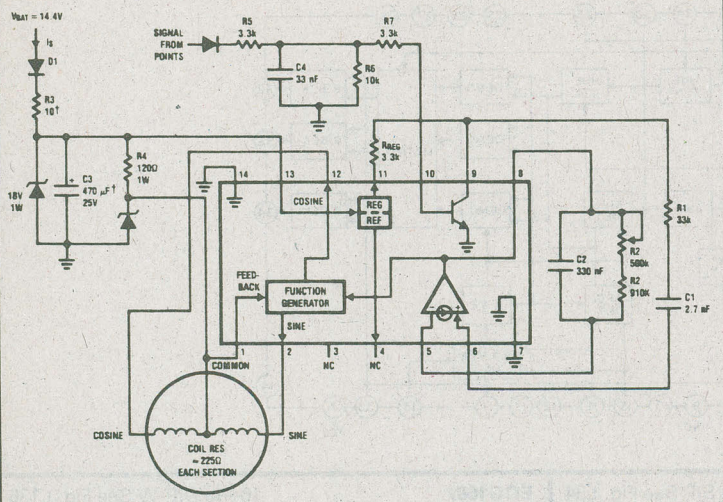


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

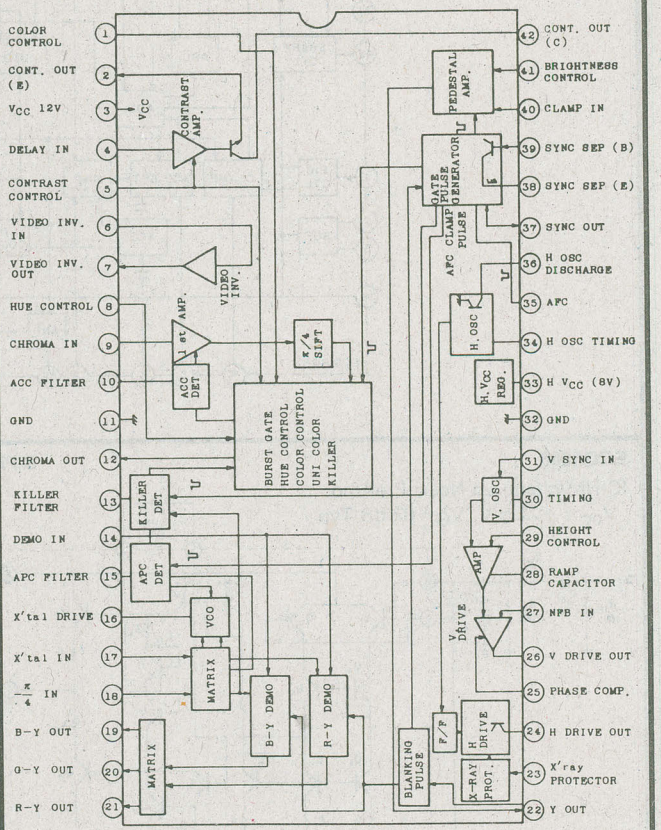
ECG1670 14-Pin DIP See Fig. L104

IC-Tachometer and Air Core Meter Driver, $V_{CC} = 12$ V Typ



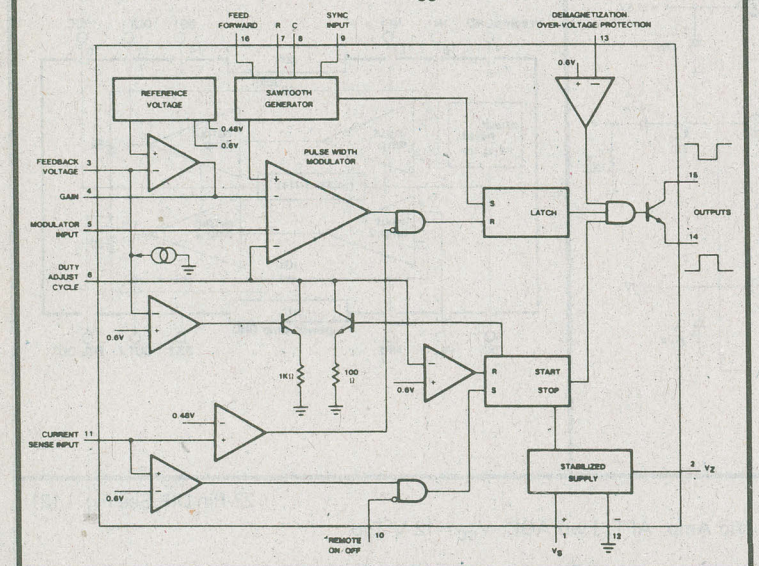
ECG1671 42-Pin DIP See Fig. L126

IC-Video-Chroma Demod, Horiz, Vert, Osc, Dr, HV Protect, $V_{CC} = 12$ V Typ



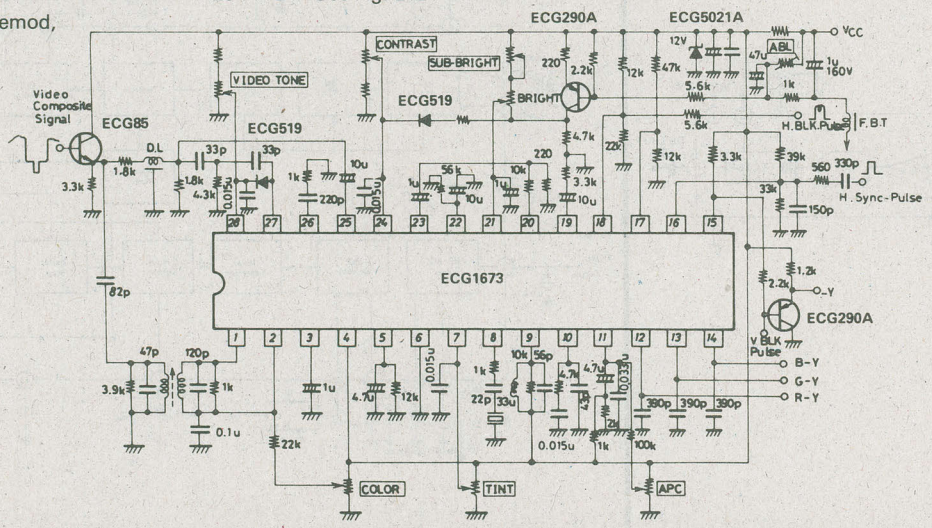
ECG1672 16-Pin DIP See Fig. L111

IC-Pulse Width Modulator Control Ckt, $V_{CC} = 12$ V Typ



ECG1673 28-Pin DIP See Fig. L124

IC-TV Chroma, Vid Amp, Demod, $V_{CC} = 12$ V Typ

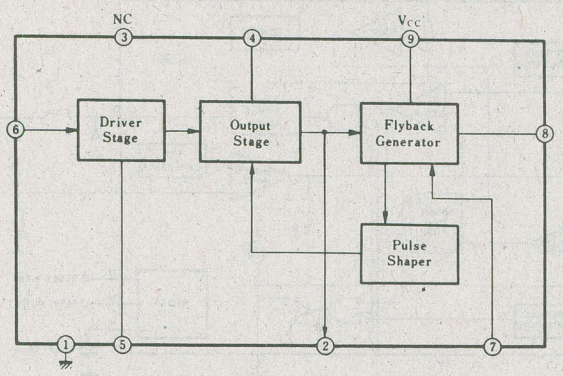


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

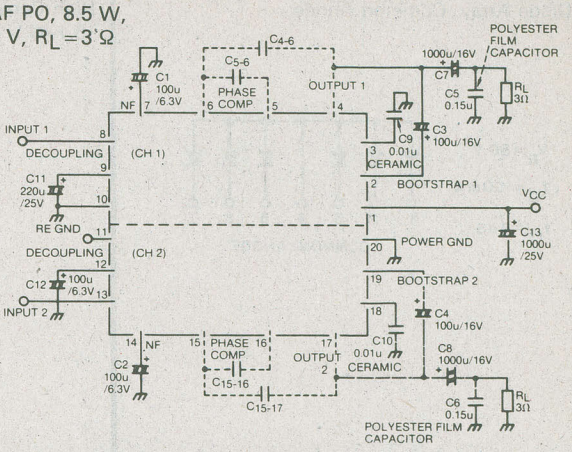
ECG1674 9-Pin SIP-HS See Fig. L79

IC-TV Vertical Deflection, V_{CC} = 24 V Typ



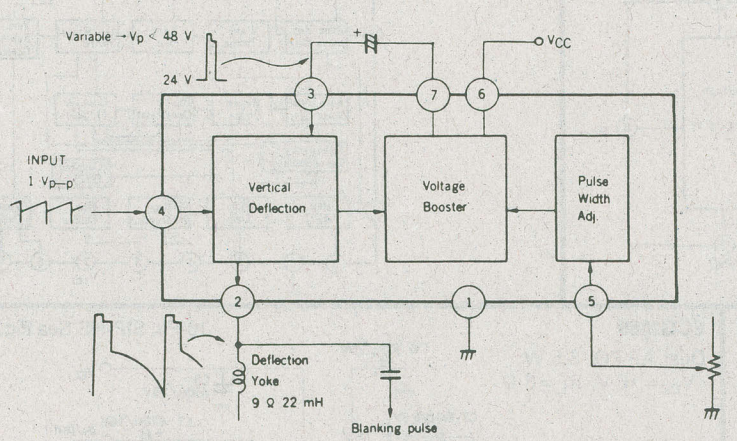
ECG1675 20-Pin DIP See Fig. L119A

IC-Dual AF PO, 8.5 W,
V_{CC} = 15 V, R_L = 3 Ω



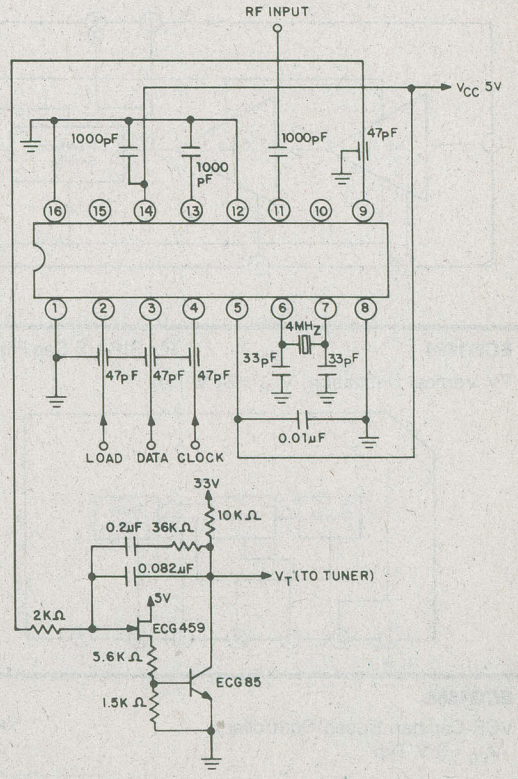
ECG1676 7-Pin SIP See Fig. L49

IC-TV Vertical Deflection, V_{CC} = 24 V Typ



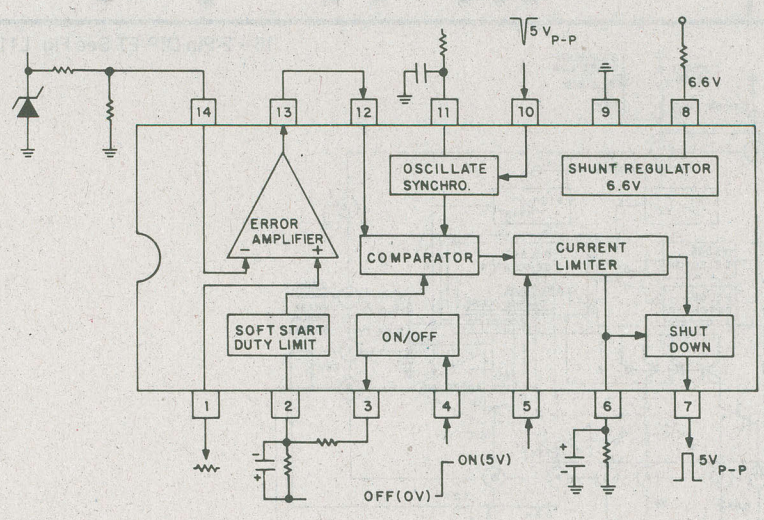
ECG1677 16-Pin DIP See Fig. L111

Frequency Synthesizer for TV/CATV Tuner, V_{CC} = 5 V



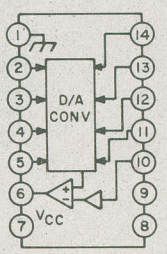
ECG1678 14-Pin DIP See Fig. L105

Switching Regulator for TV with Shutdown



ECG1679 14-Pin DIP See Fig. L104

VCR D/A Converter and Comparator, V_{CC} = 9 V



N

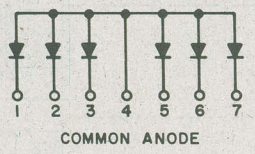
Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

ECG1680 7-Pin SIP See Fig. L25

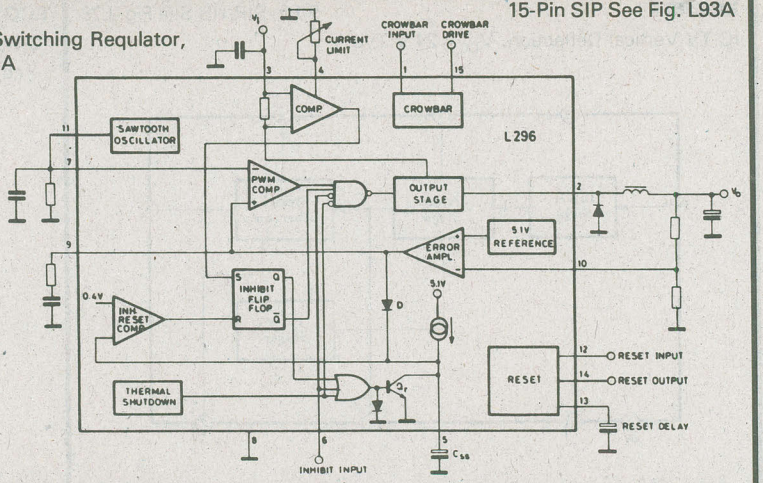
Diode Array, Common Anode

$V_R = 50$ V
$I_O = 100$ mA
$t_{rr} = 4$ nS



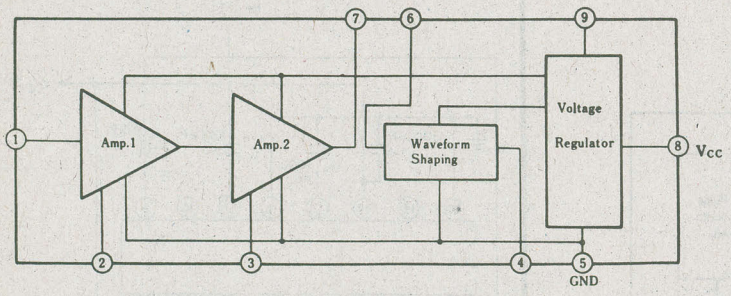
ECG1681 15-Pin SIP See Fig. L93A

High Current Switching Regulator, 5.1-40 V at 4 A



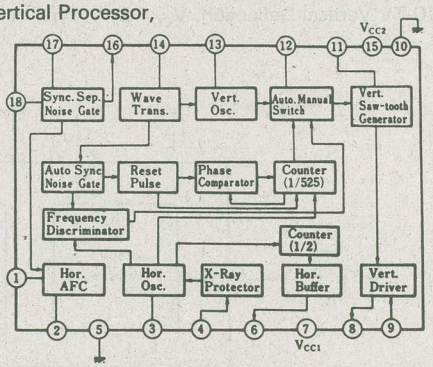
ECG1682 9-Pin SIP See Fig. L41

Preamp for IR Remote Control



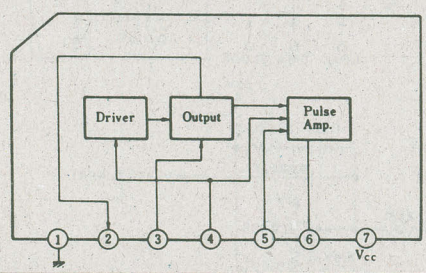
ECG1683 18-Pin DIP See Fig. L115

TV Horizontal/Vertical Processor, $V_{CC} = 12$ V Typ



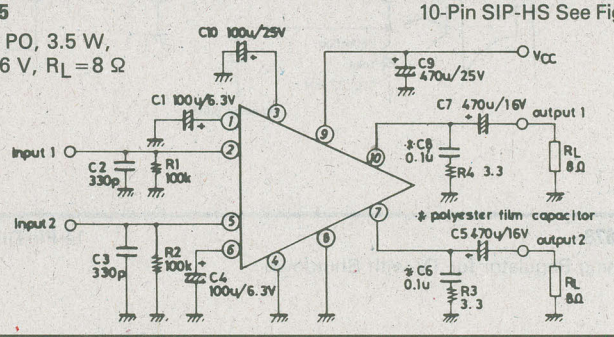
ECG1684 7-Pin SIP-HS See Fig. L76A

TV Vertical Deflection, $V_{CC} = 24$ V Typ



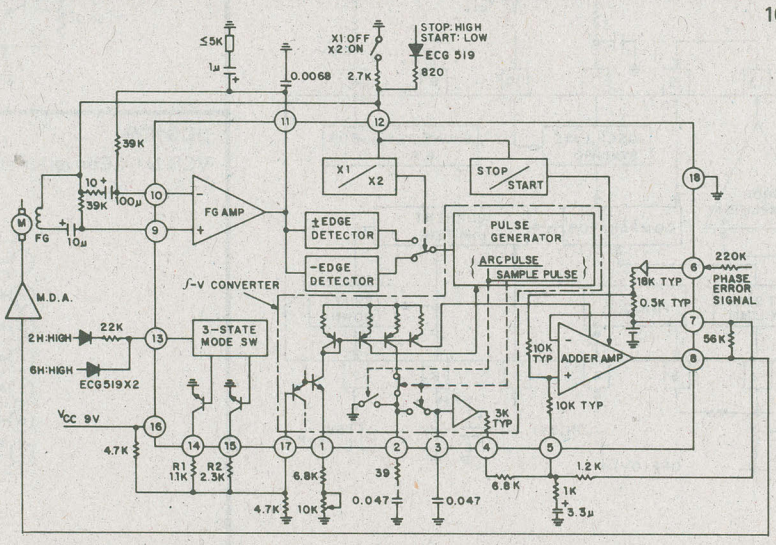
ECG1685 10-Pin SIP-HS See Fig. L88

Dual AF PO, 3.5 W, $V_{CC} = 16$ V, $R_L = 8\ \Omega$



ECG1686 16+2-Pin DIP-ET See Fig. L114

VCR Capstan Speed Controller, $V_{CC} = 9$ V Typ

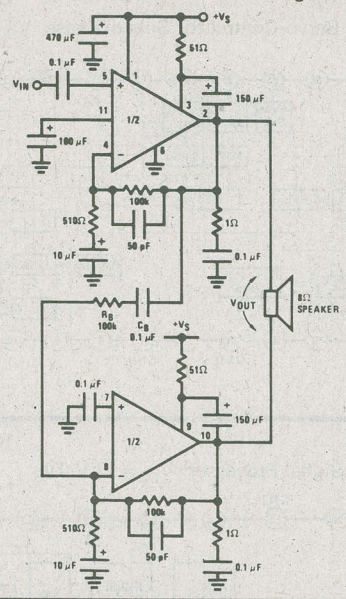


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

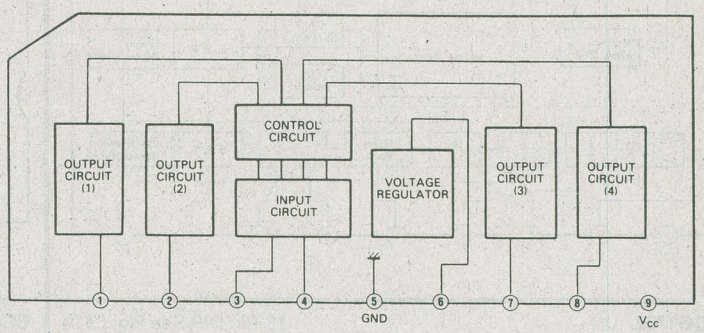
ECG1687 11-Pin SIP-HS See Fig. L93B

Dual AF PO, 2.5 W, Bridge (BTL), 7.8 W, V_{CC}=9 V Typ, R_L=4 Ω



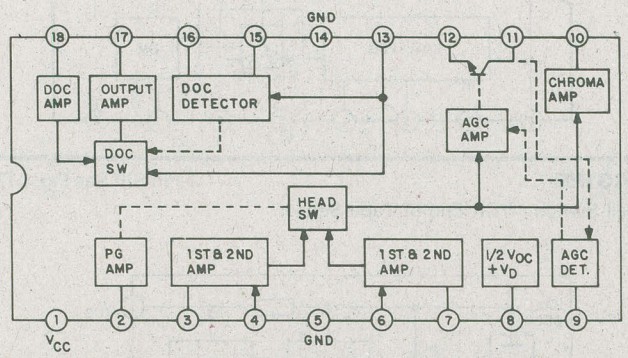
ECG1688 9-Pin SIP See Fig. L41

TV Tuner Band Switch - 4 Circuit, V_{CC}=2 V Typ



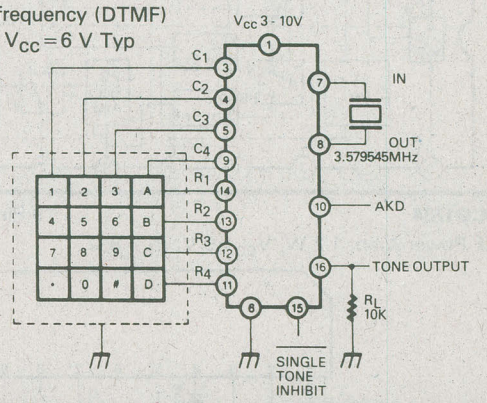
ECG1689 18-Pin DIP See Fig. L115

VCR Head Amp/Limiter/D.O.C./Switching, V_{CC}=5 V Typ



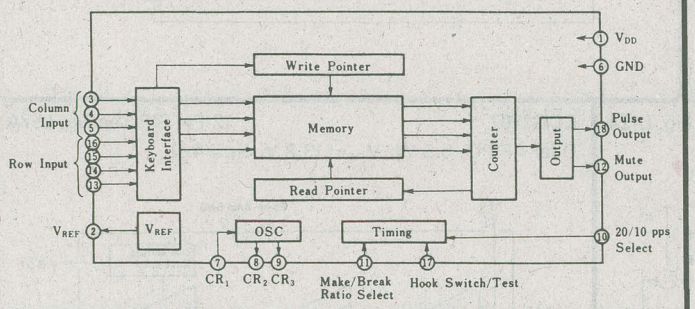
ECG1690 16-Pin DIP See Fig. L111

Dual Tone Multifrequency (DTMF) Dialer (CMOS), V_{CC}=6 V Typ



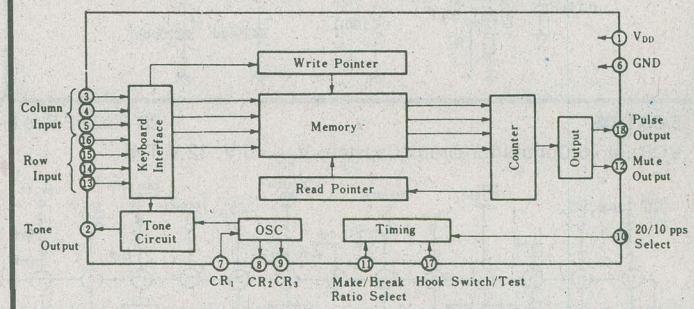
ECG1691 18-Pin DIP See Fig. L115

Pulse Dialer with Redial (CMOS), V_{CC}=4 V Typ



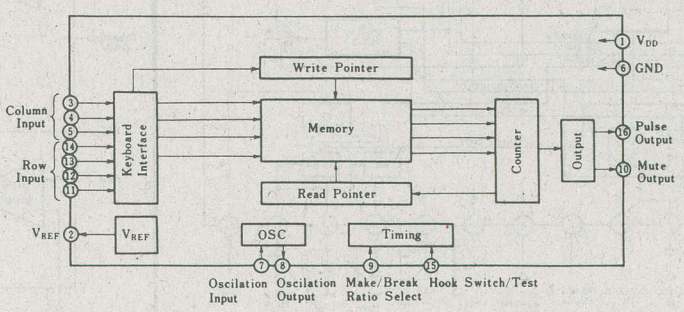
ECG1692 18-Pin DIP See Fig. L115

Pulse Dialer with Redial/Tone Signal Out (CMOS)



ECG1693 16-Pin DIP See Fig. L111

Push Button Pulse Dialer with Redial (CMOS)



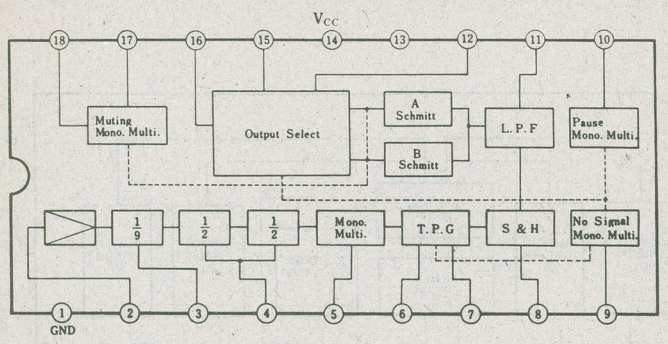
N

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Linear IC and Module Circuits (cont'd)

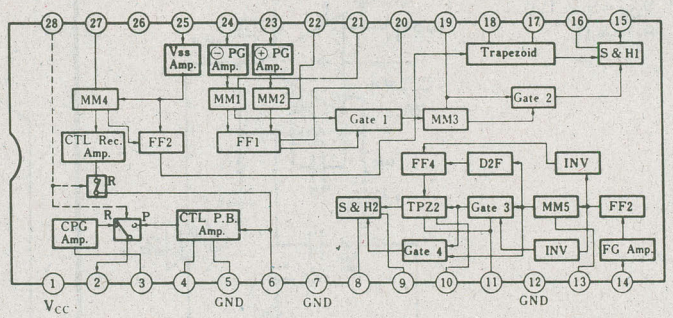
ECG1700 18-Pin DIP See Fig. L115

VCR Frequency Divider and Speed Select, 2/4/6 Hr., V_{CC} = 12 V Typ



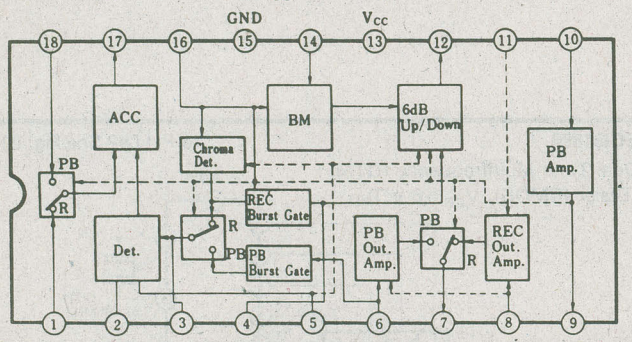
ECG1701 28-Pin DIP See Fig. L124

VCR Drum Servo Control for Speed/Phase, V_{CC} = 12 V Typ



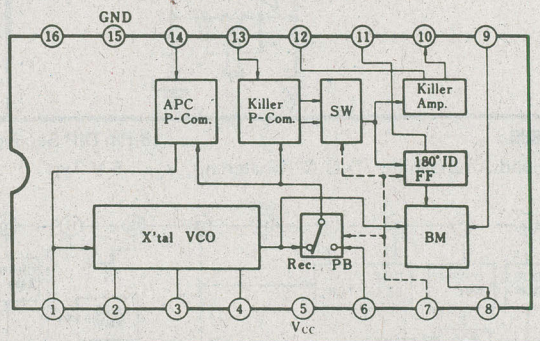
ECG1702 18-Pin DIP See Fig. L115

VCR Color Signal Processor, V_{CC} = 12 V Typ



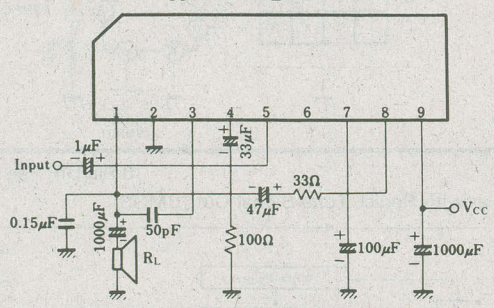
ECG1703 16-Pin DIP See Fig. L112

VCR Color Signal Processor, V_{CC} = 12 V Typ



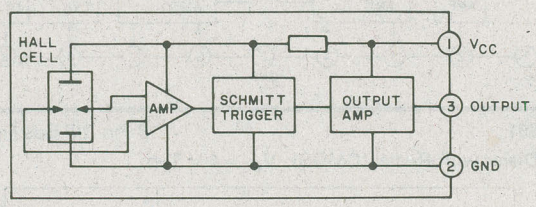
ECG1704 9-Pin SIP See Fig. L41

AF Power Amp, 1.2 W, V_{CC} = 9 V, R_L = 8 Ω



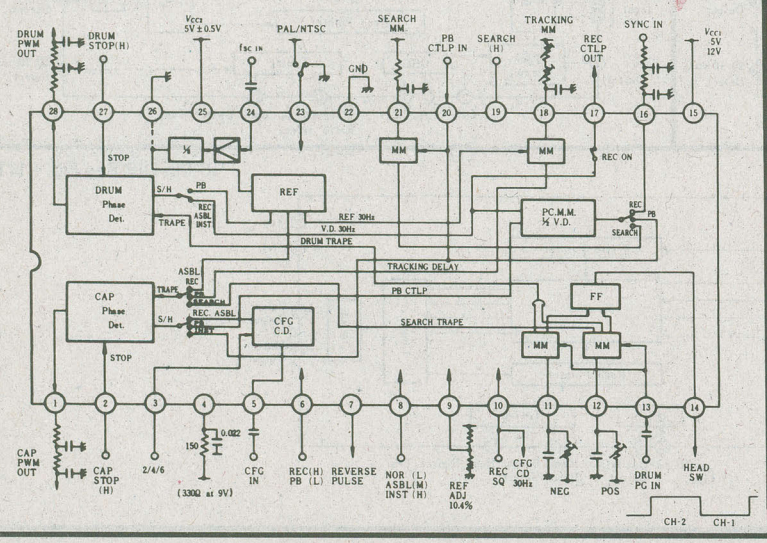
ECG1705 3-Pin SIP See Fig. L17B

Hall Switch - VCR End of Tape Sensor



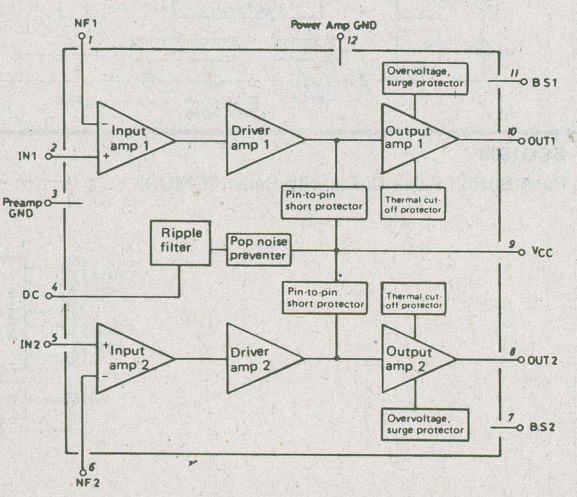
ECG1706 28-Pin DIP See Fig. L124

VCR Servo Control for Drum/Capstan, V_{CC} = 5 V, 12 V Typ



ECG1707 12-Pin SIP See Fig. L57A

Dual AF PO, 5.5 W, V_{CC} = 13.2 V, R_L = 4 Ω

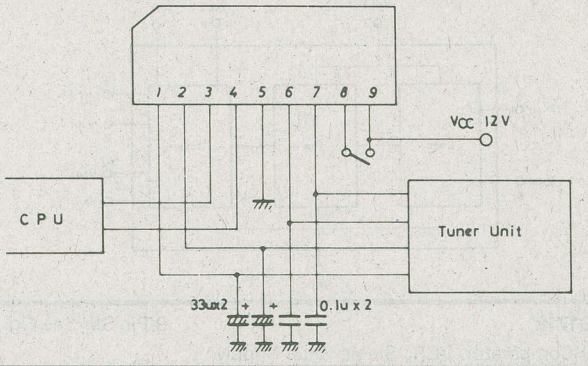


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Linear IC and Module Circuits (cont'd)

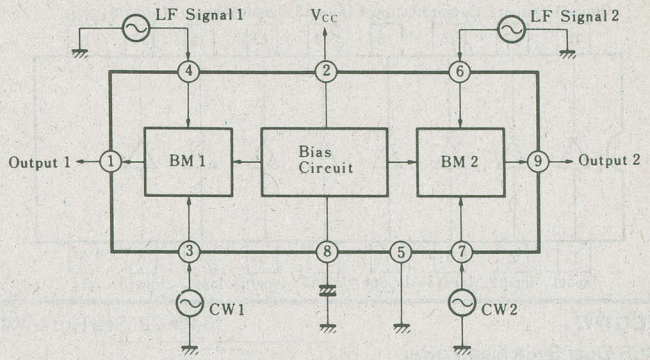
ECG1708 9-Pin SIP See Fig. L36

TV Tuner Band Selector, V_{CC} = 12 V Typ



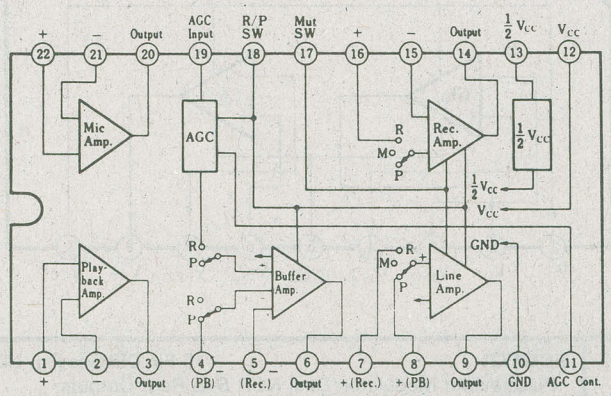
ECG1709 9-Pin SIP See Fig. L41

VCR Dual Balanced Modulator, V_{CC} = 9 V Typ



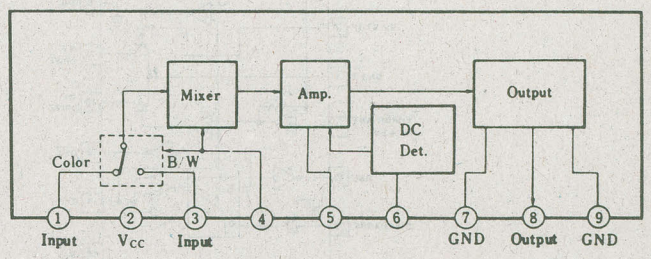
ECG1710 22-Pin DIP See Fig. L121

VCR Record/Playback Circuit, V_{CC} = 9 V Typ



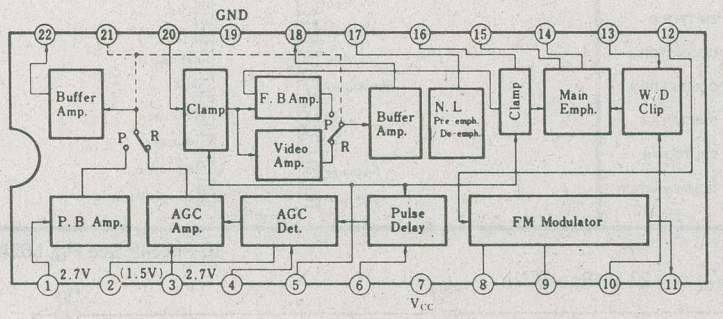
ECG1711 9-Pin SIP See Fig. L41

VCR Recording Amp Circuit, V_{CC} = 9 V Typ



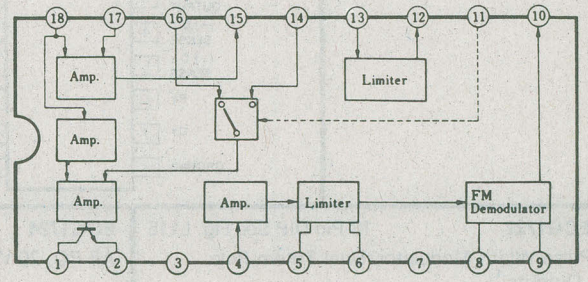
ECG1712 22-Pin DIP See Fig. L121

VCR Video Processor for Recording, V_{CC} = 5 V



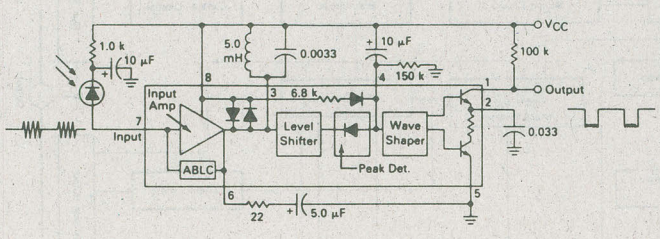
ECG1713 18-Pin DIP See Fig. L115

VCR Line Noise Canceling Circuit, V_{CC} = 5 V Typ



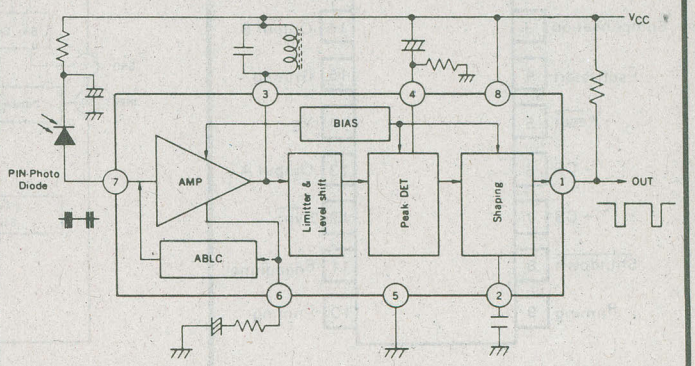
ECG1714M 8-Pin DIP See Fig. L98

TV Remote Control Signal Amp



ECG1714S 8-Pin SIP See Fig. L35B

TV Remote Control Signal Amp



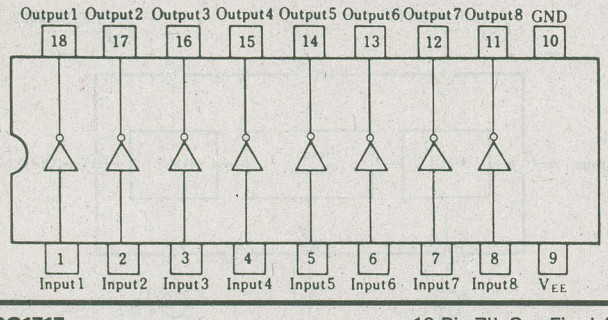
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Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

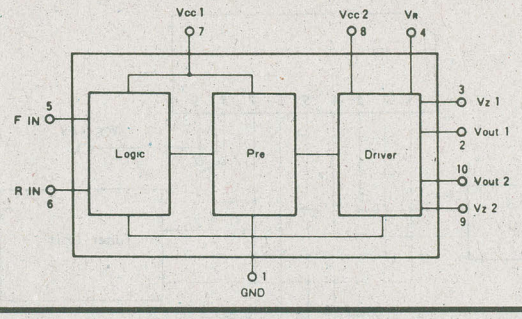
ECG1715 18-Pin DIP See Fig. L115

Fluorescent Display Driver - 8 Circuits, $V_{EE} = -50$ V Typ



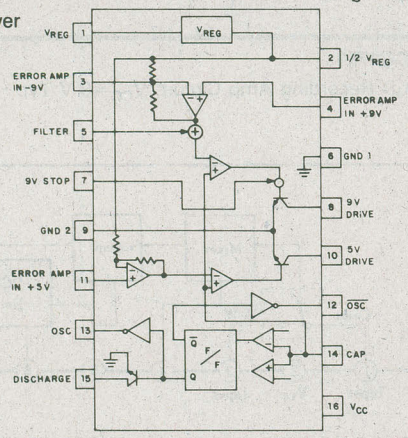
ECG1716 10-Pin SIP-HS See Fig. L87

VCR Motor Driver with Braking, $V_{CC} = 12$ V



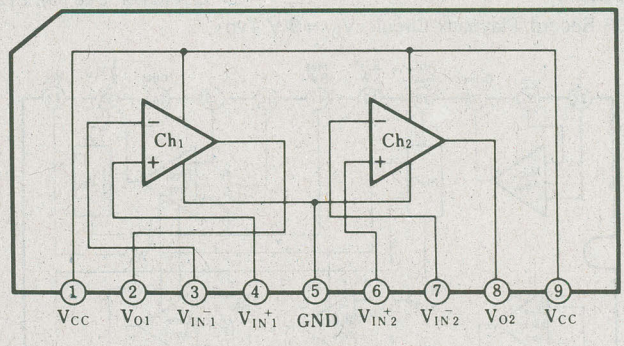
ECG1717 16-Pin ZIL See Fig. L47A

VCR Dual Switching Power Supply, 5 V, 9 V



ECG1718 9-Pin SIP See Fig. L39

Dual Comparator/VCR, Single/Dual Supply

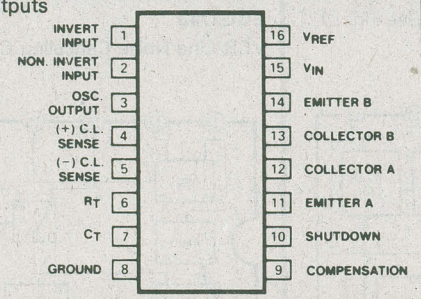


ECG1719

See ECG1546
Page 1-254

ECG1720 16-Pin DIP See Fig. L112

Pulse Width Modulator/Dual Switching Reg. Outputs

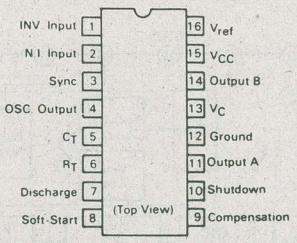


ECG1721 16-Pin DIP See Fig. L122

Pulse Width Modulator/Dual NOR Sw. Reg. Outputs/ +Output Pulse

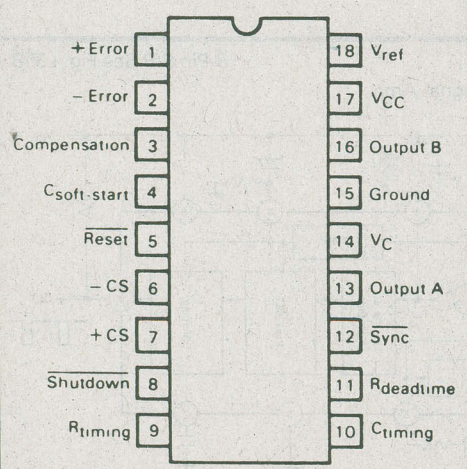
ECG1723

Pulse Width Modulator/Dual OR Sw. Reg. Outputs/ −Output Pulse



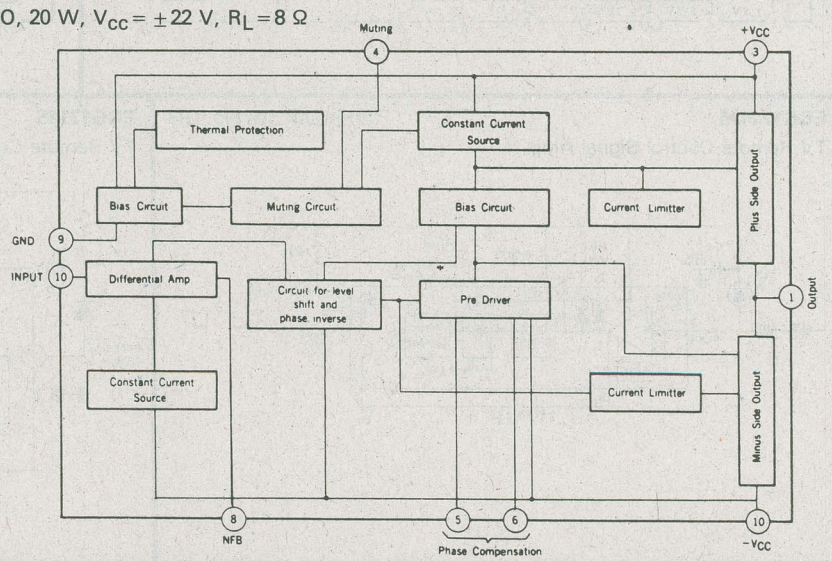
ECG1722 18-Pin DIP See Fig. L115

Pulse Width Modulator/Dual Totem Pole Outputs



ECG1724 10-Pin SIP See Fig. L52A

AF PO, 20 W, $V_{CC} = \pm 22$ V, $R_L = 8\ \Omega$

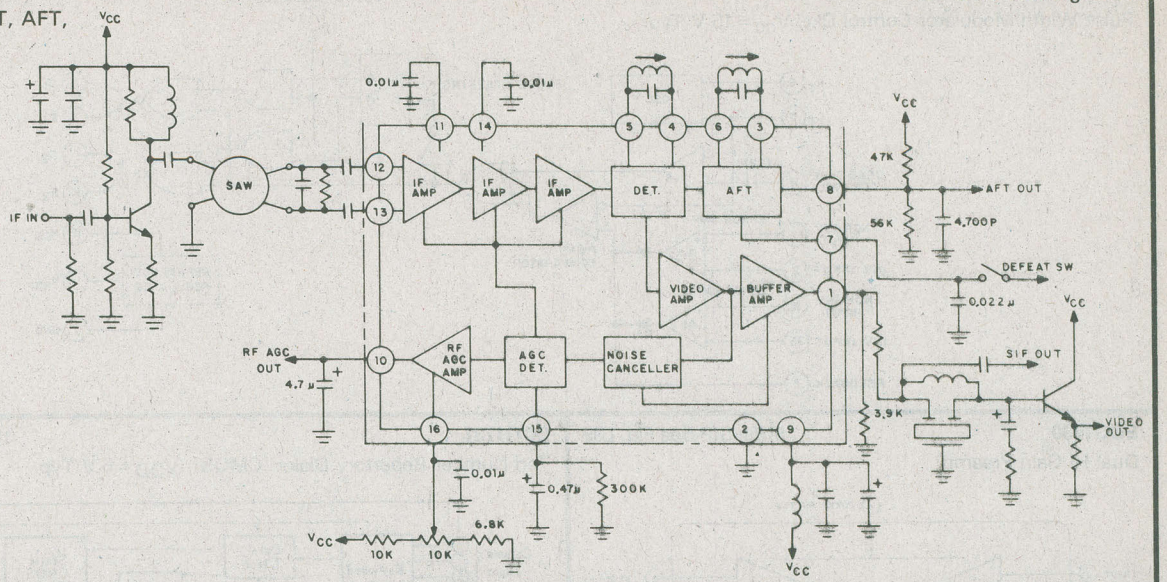


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

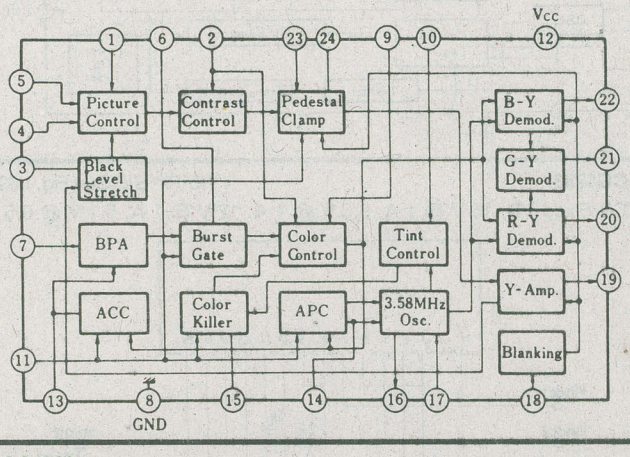
ECG1725 16-Pin DIP See Fig. L111

TV Video/IF Amp, DET, AFT, AGC, V_{CC} = 12 V Typ



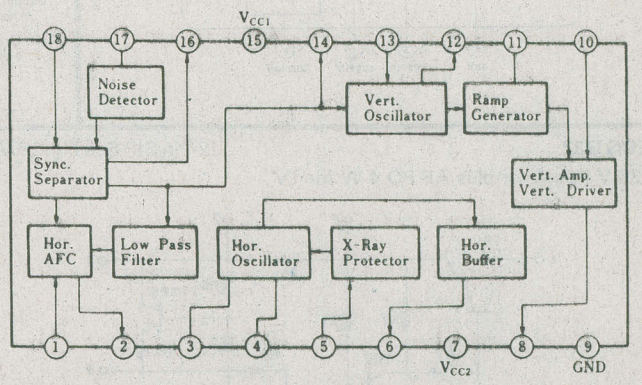
ECG1726 24-Pin DIP See Fig. L122

TV Chroma and Vid Processor/Demod, V_{CC} = 12 V Typ



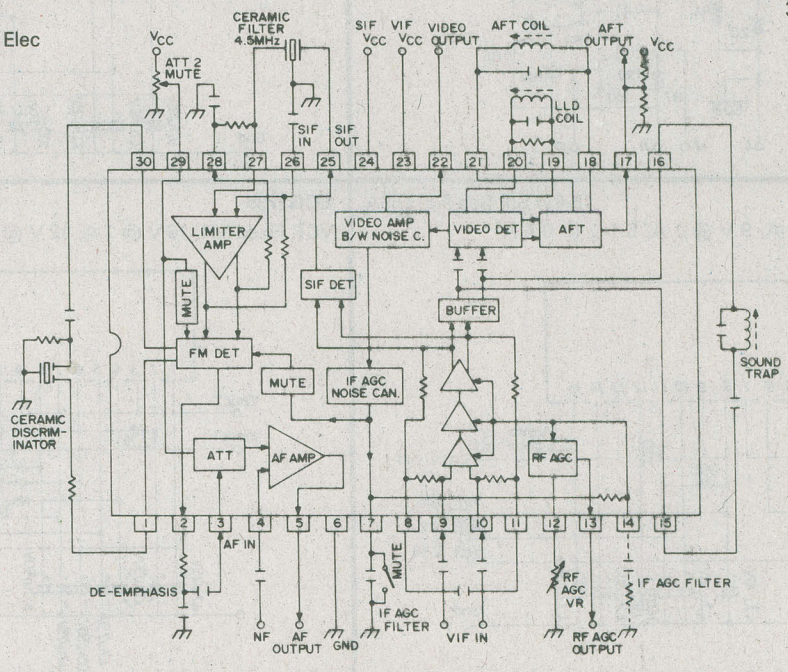
ECG1727 18-Pin DIP See Fig. L115

TV Signal Processor with V/H Osc/AFC Sync Sep/X-Ray Protect, V_{CC} = 12 V Typ



ECG1728 30-Pin DIP See Fig. L124C

TV VIF/SIF Amp/DET/AGC/AFT/Elec Att Audio Driver, V_{CC} = 12 V Typ



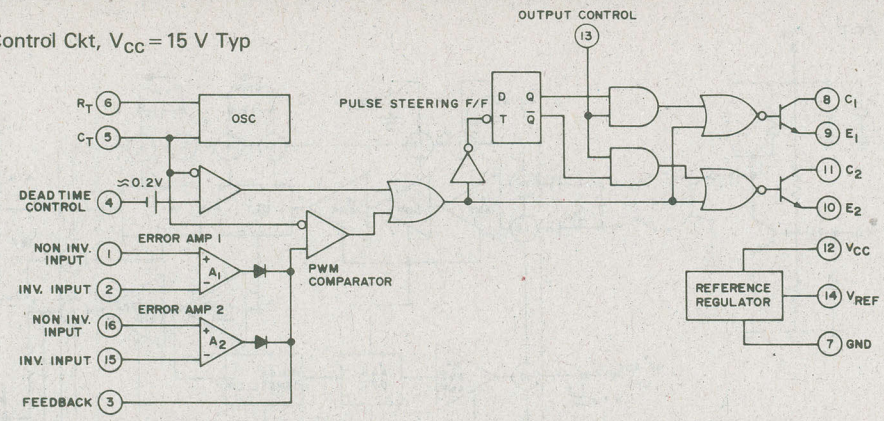
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Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

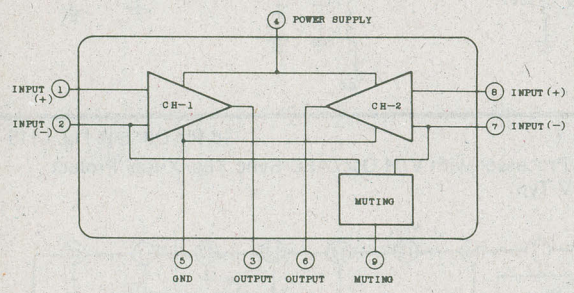
ECG1729 16-Pin DIP See Fig. L111

Pulse Width Modulator Control Ckt, V_{CC} = 15 V Typ



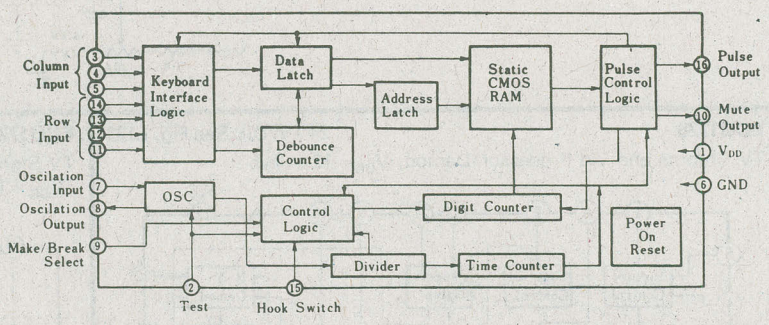
ECG1730 9-Pin SIP See Fig. L39

Dual Hi Gain Preamp



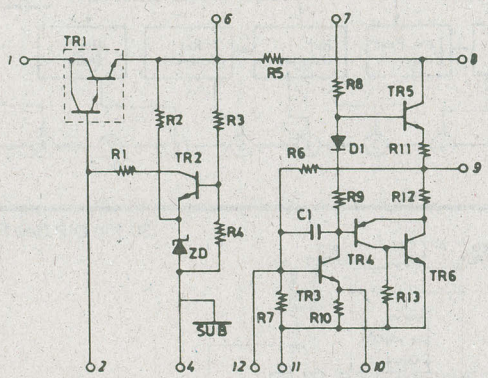
ECG1731 16-Pin DIP See Fig. L111

Ten Number Repertory Dialer (CMOS), V_{DD} = 5 V Typ



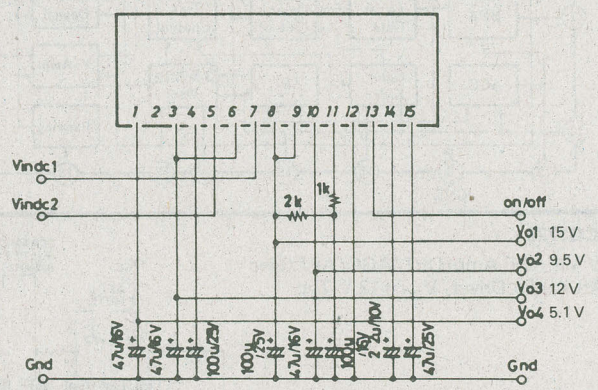
ECG1732 12-Pin SIP See Fig. L67A

135 V Regulator plus AF PO 4 W for TV



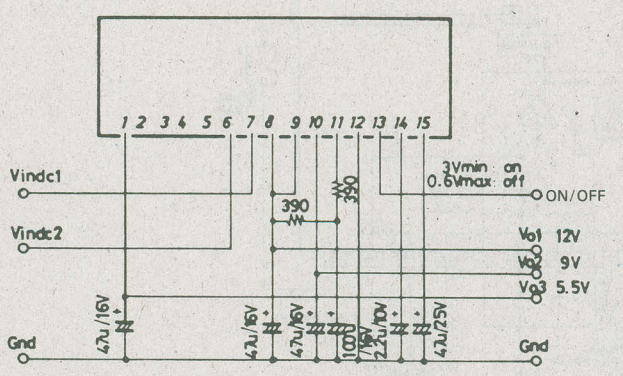
ECG1733 15-Pin SIP See Fig. L69A

VCR Fixed VR, 15 V @ 1 A, 9.5 V @ 1 A, 12 V @ 1 A, 5.1 V @ 0.5 A



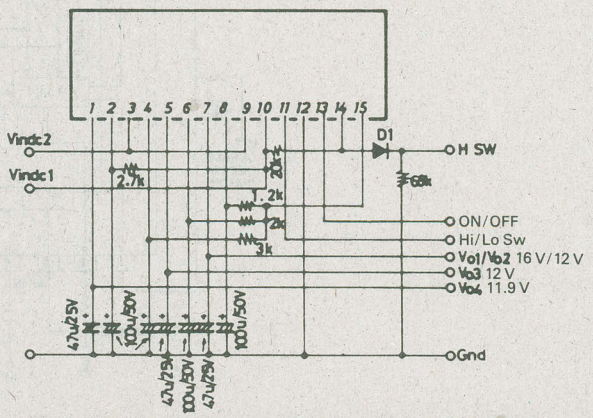
ECG1734 15-Pin SIP See Fig. L69A

VCR Fixed VR, 12 V @ 2 A, 9 V @ 1 A, 5.1 V @ 0.5 A



ECG1735 15-Pin SIP See Fig. L69A

VCR Fixed VR, 16 V @ 1 A, 12 V @ 1 A, 12 V @ 1.5 A, 11.9 V @ 1.5 A

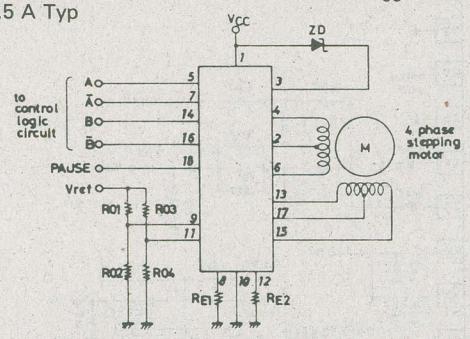


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

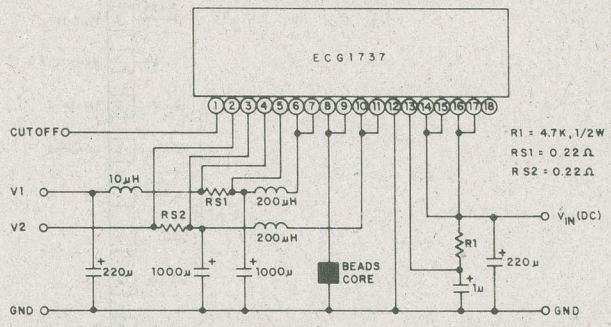
ECG1736 18-Pin SIP See Fig. L75A

4-Phase Constant Current Step Motor Driver, V_{CC} = 24 V, I_L = 1.5 A Typ



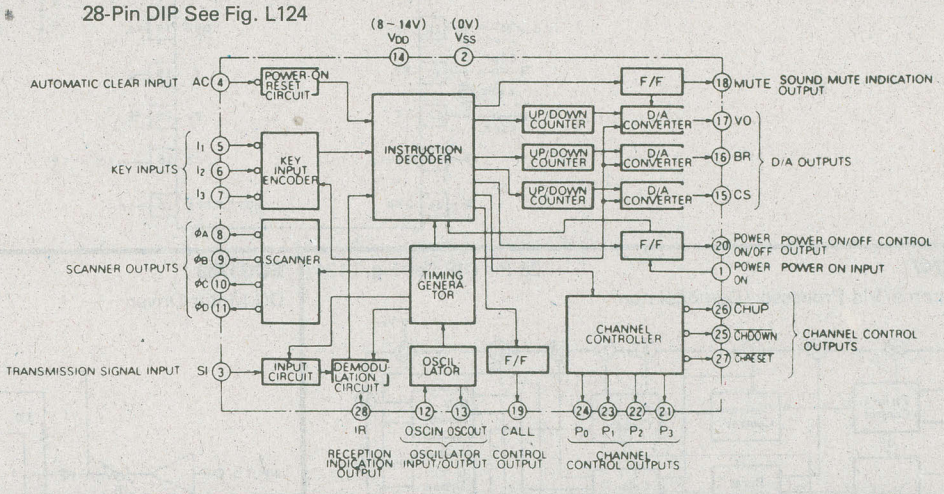
ECG1737 18-Pin DIP See Fig. L75B

Chopper Dual Power Supply, 5 V @ 3A, 24 V @ 3 A



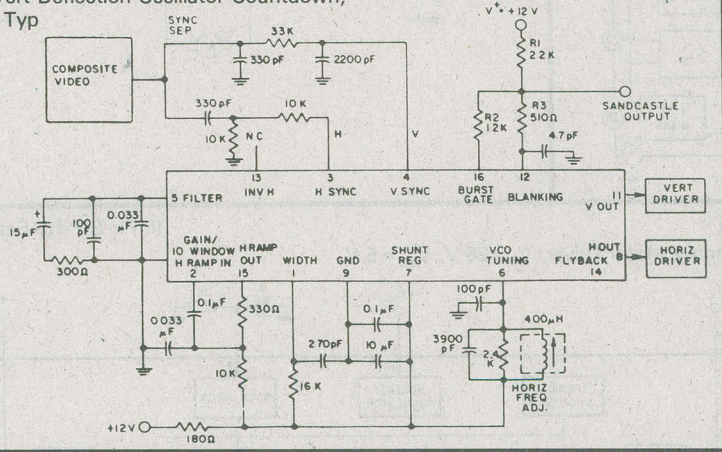
ECG1738 28-Pin DIP See Fig. L124

TV/Stereo Remote Control Receiver, V_{DD} = 12 V Typ



ECG1739 16-Pin DIP See Fig. L111

TV Horiz/Vert Deflection Oscillator Countdown, V_{CC} = 8 V Typ



ECG1740 4-Pin SIP See Fig. L18B

TV Voltage Regulator, Output = 115 V, 1 A

ECG1741

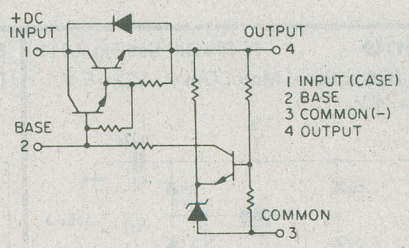
Output = 125 V @ 1 A

ECG1742

Output = 130 V @ 1 A

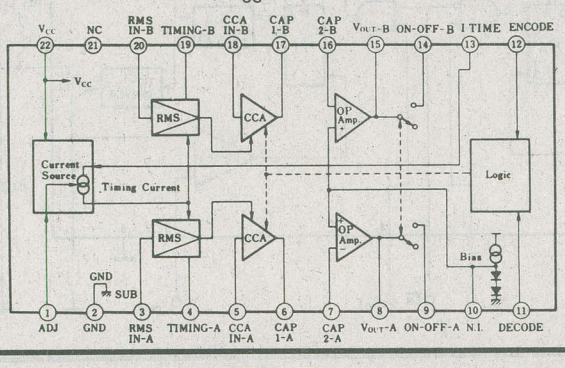
ECG1743

Output = 135 V @ 1 A



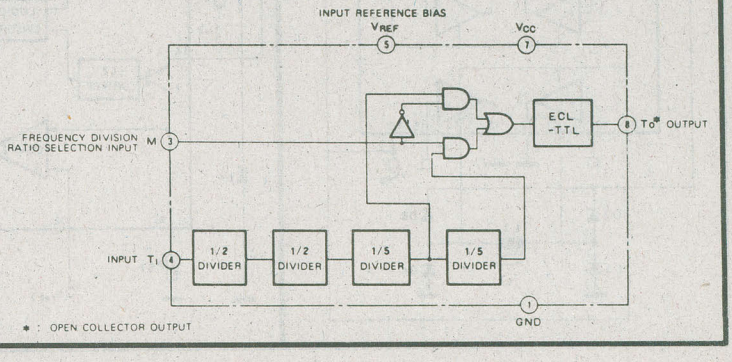
ECG1744 22-Pin DIP See Fig. L121

Dual dbx Noise Reduction, V_{CC} = 1.8 V to 14 V



ECG1745 8-Pin SIP See Fig. L35

VCR Hi Speed Frequency Divider (1/20 to 1/100), V_{CC} = 5 V Typ



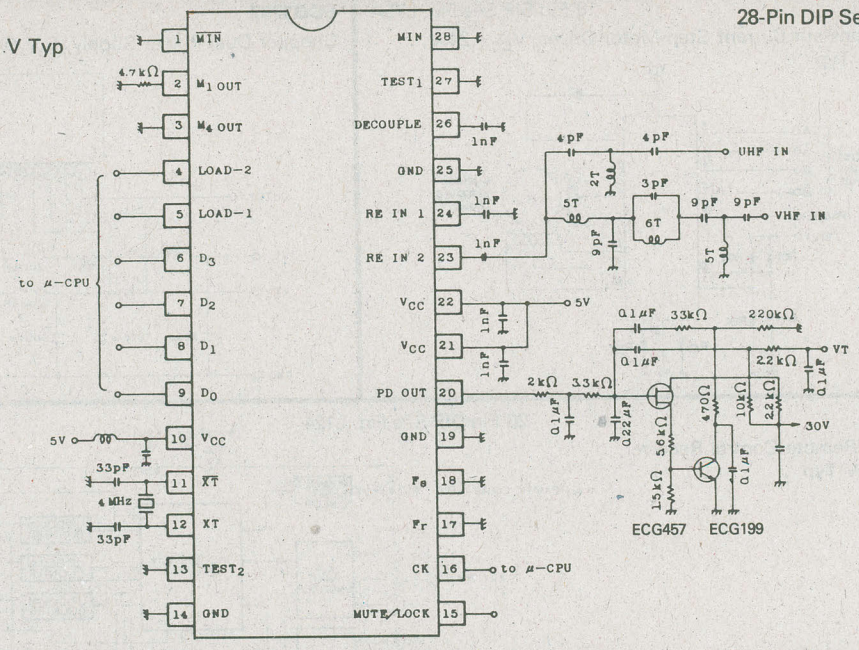
Package Outlines - See Page 1-297

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Linear IC and Module Circuits (cont'd)

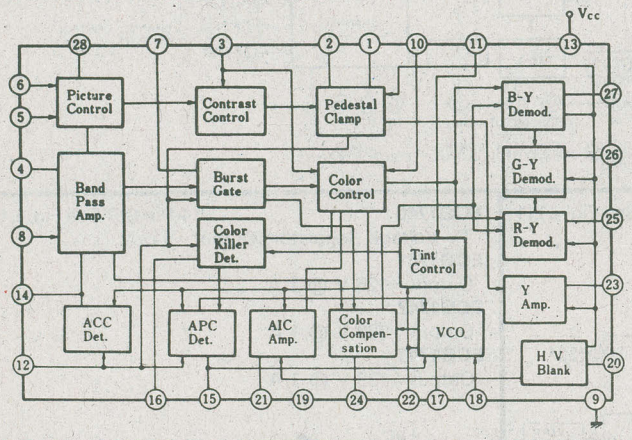
ECG1746 28-Pin DIP See Fig. L124

TV Tuner Frequency Synthesizer, V_{CC} = 5 V Typ



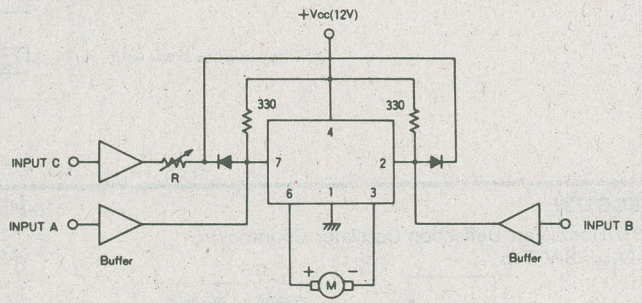
ECG1747 28-Pin DIP See Fig. L124

TV Chroma/Vid Processor/Demodulator



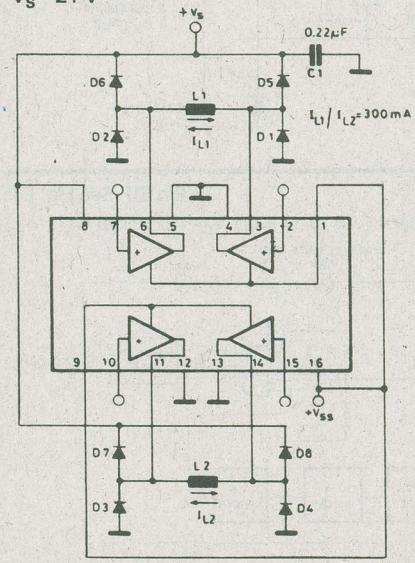
ECG1748 7-Pin SIP See Fig. L30A

DC Motor Driver



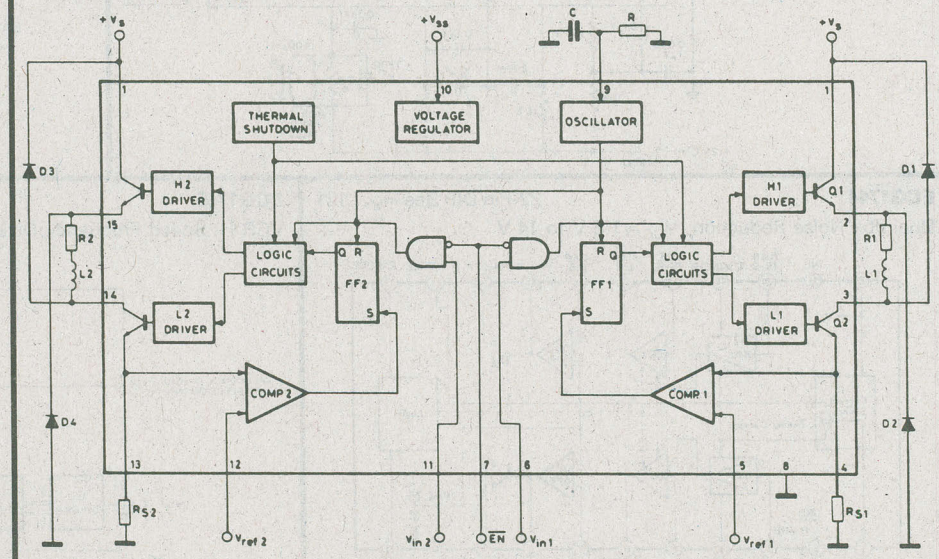
ECG1749 16-Pin DIP See Fig. L111

Dual Bidirectional Motor Driver, V_{SS} = 5 V, V_S = 24 V



ECG1750 15-Pin SIP-HS See Fig. L93A

Dual Solenoid/Motor Driver, V_S = 36 V, V_{SS} = 5 V

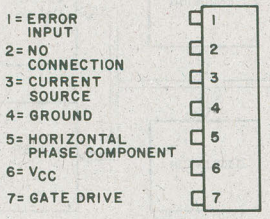


Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

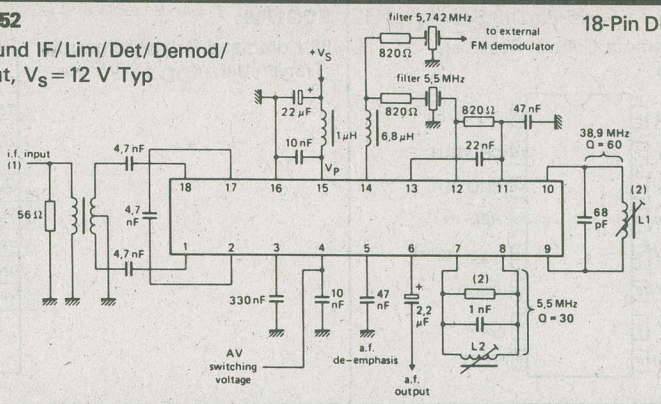
ECG1751 7-Pin SIP See Fig. L29

TV/Switching SCR Driver for Voltage Reg., V_{CC} = 19 to 24 V



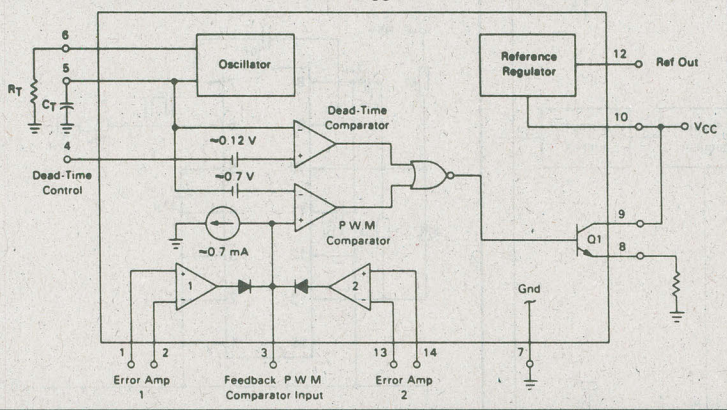
ECG1752 18-Pin DIP See Fig. L115

TV Sound IF/Lim/Det/Demod/ AF Out, V_S = 12 V Typ



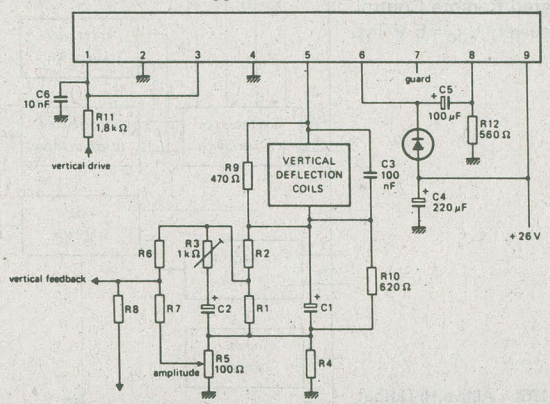
ECG1753 14-Pin DIP See Fig. L104

Pulse Width Modulation Control Ckt, V_{CC} = 15 V Typ



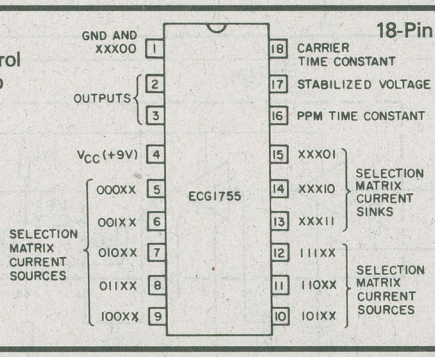
ECG1754 9-Pin SIP See Fig. L51A

TV Vertical Deflection, V_{CC} = 26 V Typ



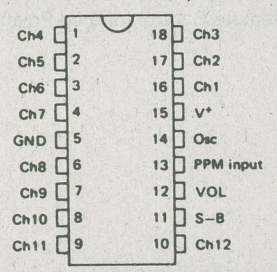
ECG1755 18-Pin DIP See Fig. L115

32-Command Remote Control Transmitter, V_{CC} = 9 V Typ



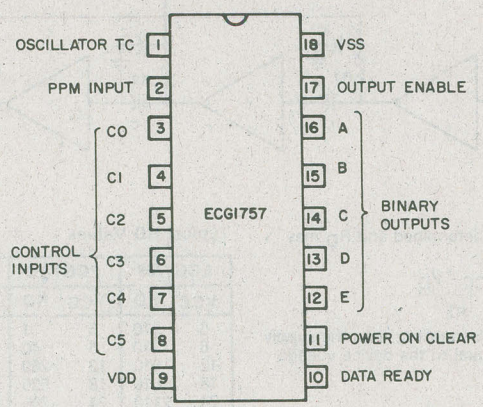
ECG1756 18-Pin DIP See Fig. L115

15-Command Remote Control Receiver, V+ = 12 V Typ



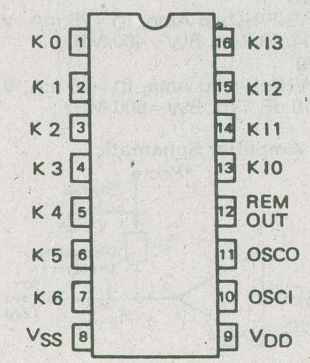
ECG1757 18-Pin DIP See Fig. L115

Programmable Remote Control Receiver, V_{DD} = −15 V Typ



ECG1758 16-Pin DIP See Fig. L111

27-Command Remote Control Transmitter, V_{DD} = 6 V Typ



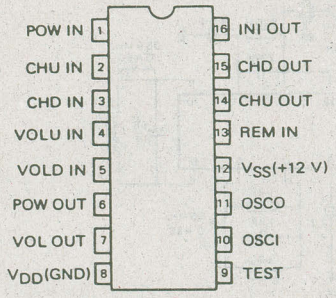
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Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

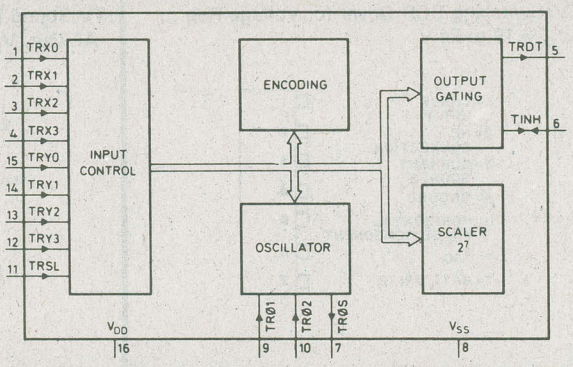
ECG1759 16-Pin DIP See Fig. L111

26-Command Remote Control Receiver, V_{CC} = 12 V Typ



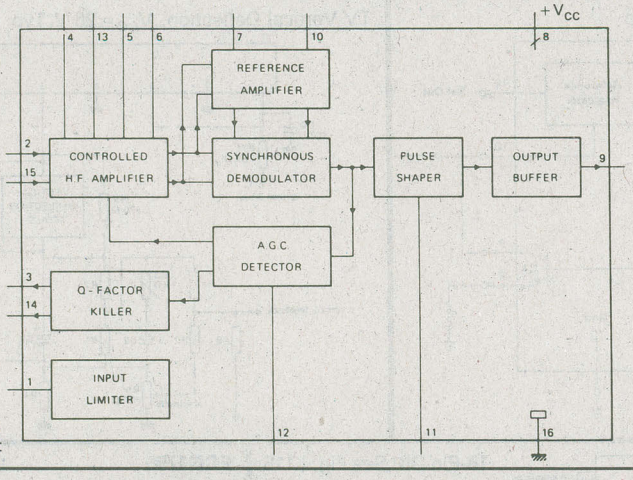
ECG1760 16-Pin DIP See Fig. L111

32-Command Remote Control Transmitter, V_{DD} = 9 V Typ



ECG1761
ECG1762 16-Pin DIP See Fig. L111

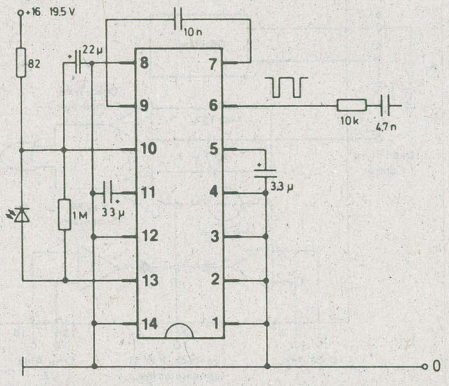
Infrared Remote Control Receiver, V_{CC} = 5 V Typ



ECG1761 - Active Hi Output
ECG1762 - Active Lo Output

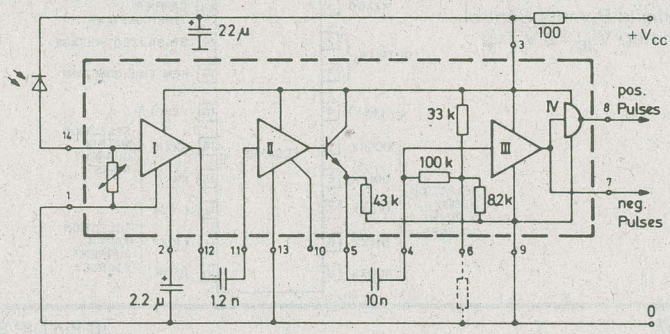
ECG1763 14-Pin DIP See Fig. L104

Remote Control Infrared Preamp, V_{CC} = 5 V Typ



ECG1764 14-Pin DIP See Fig. L104

Remote Control Infrared Preamp, V_{CC} = 6 V



ECG1768 3-Pin Can See Fig. L1B

RF/IF/VHF Hybrid Amp, I_D = 10 mA, V_D = 2.9 Vdc, P_G = 14 dB Typ, B_W = 400 MHz

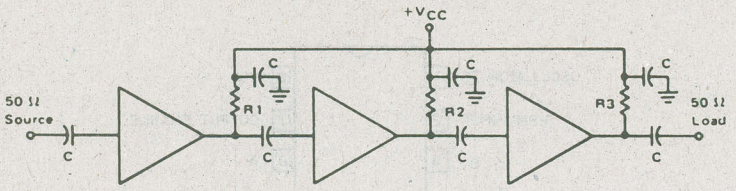
ECG1769

RF/IF/VHF Hybrid Amp, I_D = 25 mA, V_D = 5 Vdc, P_G = 14 dB Typ, B_W = 400 MHz

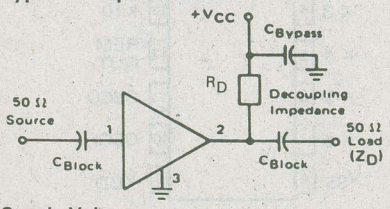
ECG1770

RF/IF/VHF Hybrid Amp, I_D = 25 mA, V_D = 3.2 Vdc, P_G = 10 dB Typ, B_W = 600 MHz

Typical Cascade Application



Typical Amplifier Schematic



Supply Voltage

The value of the external decoupling resistive impedance (R_D) determines the supply voltage ($+V_{CC}$) and is determined by the following equation:

$$V_{CC} = R_D \times I_D + V_D$$

More commonly V_{CC} is predetermined and R_D may be calculated from:

$$R_D = \frac{V_{CC} - V_D}{I_D}$$

If an RF choke is used for decoupling, then the supply voltage (V_{CC}) required is equal to the device voltage (V_D).

Bypass Capacitor

The reactive impedance of the bypass capacitor should be small compared to the impedance of the decoupling element at the lowest frequency of operation.

Typical RD Values

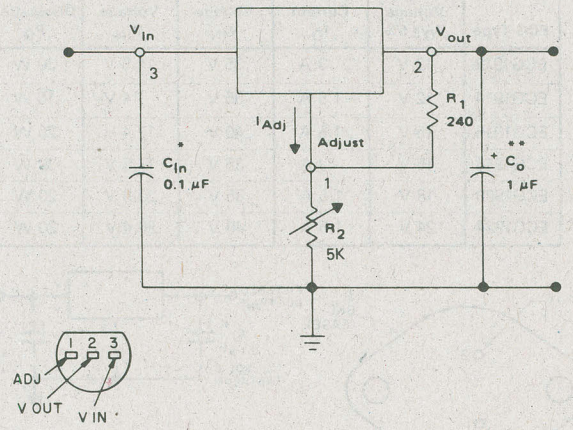
ECG1768		ECG1769		ECG1770	
V_{CC}	RD	V_{CC}	RD	V_{CC}	RD
5	210	5	1	5	85
6	310	6	40	6	120
12	910	12	280	12	360
18	1510	18	520	18	600
24	2110	24	760	24	830

Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

ECG1900 TO-92 See Fig. L16

3-Terminal Pos Adj Voltage Regulator; $V_O = 1.2$ V to 37 V, $I_O = 100$ mA, $V_{IN} = 40\ V_{max}/2.45\ V_{min}$, $P_D = 625$ mW



* = C_I is required if regulator is located an appreciable distance from power supply filter.

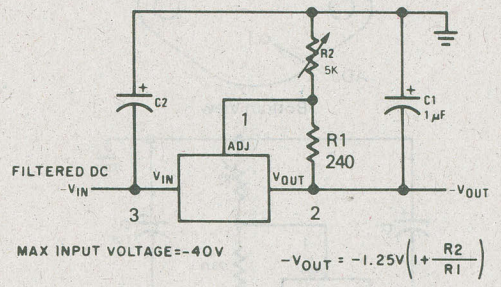
** = C_O is not needed for stability; however, it does improve transient response.

$$V_{out} = 1.25\ V\ (1 + \frac{R_2}{R_1}) + I_{Adj}\ R_2$$

Since I_{Adj} is controlled to less than 100 µA, the error associated with this term is negligible in most applications.

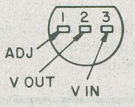
ECG1901 TO-92 See Fig. L16

3-Terminal Neg Adj Voltage Regulator; $V_O = -1.2$ V to -37 V, $I_O = 100$ mA, $V_{IN} = -40\ V_{max}/-2.45\ V_{min}$, $P_D = 625$ mW



MAX INPUT VOLTAGE=-40V

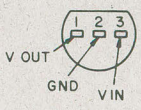
$$-V_{OUT} = -1.25V\left(1 + \frac{R2}{R1}\right)$$

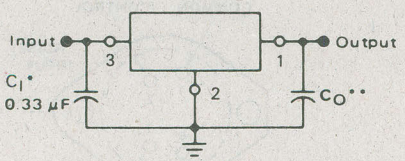


ECG1902, ECG1906, ECG1908 TO-92 See Fig. L16

3-Terminal Positive Fixed Voltage Regulators

ECG Type	Output Voltage $V_O \pm 5\%$	Output Current I_O	Maximum Input Voltage V_{IN}	Minimum Input Voltage V_{IN}	Power Dissipation P_D
ECG1902	9 V	100 mA	30 V	11 V	775 mW
ECG1906	18 V	100 mA	35 V	20 V	700 mW
ECG1908	24 V	100 mA	40 V	26 V	700 mW





A common ground is required between the input and the output voltages. The input voltage must remain typically 2.0 V above the output voltage even during the low point on the input ripple voltage.

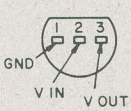
* = C_I is required if regulator is located an appreciable distance from power supply filter.

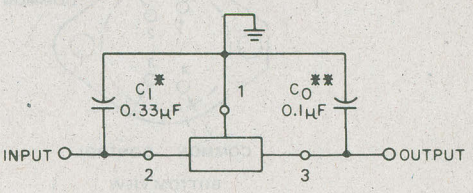
** = C_O is not needed for stability; however, it does improve transient response.

ECG1903, ECG1905, ECG1907, ECG1909, ECG1917 TO-92 See Fig. L16

3-Terminal Negative Fixed Voltage Regulators

ECG Type	Output Voltage $V_O \pm 5\%$	Output Current I_O	Maximum Input Voltage V_{IN}	Minimum Input Voltage V_{IN}	Power Dissipation P_D
ECG1903	−12 V	100 mA	−35 V	−14 V	700 mW
ECG1905	−15 V	100 mA	−35 V	−17 V	700 mW
ECG1907	−18 V	100 mA	−35 V	−20 V	700 mW
ECG1909	−24 V	100 mA	−40 V	−26 V	700 mW
ECG1917	−5 V	100 mA	−35 V	−7.3 V	700 mW





A common ground is required between the input and the output voltages. The input voltage must remain typically 2.0 V above the output voltage even during the low point on the input ripple voltage.

* = C_I is required if regulator is located an appreciable distance from power supply filter.

** = C_O improves stability and transient response.

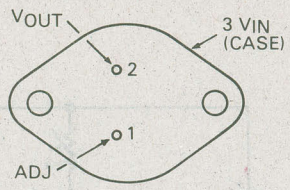
N

Package Outlines - See Page 1-297

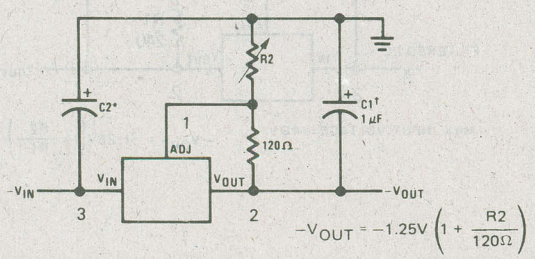
Linear IC and Module Circuits (cont'd)

ECG1911 TO-3 See Fig. L11

3-Terminal Negative Adjustable Voltage Regulator;
$V_O = -1.2$ V to -37 V, $I_O = 1.5$ A,
$V_{IN} = -40$ V_{max}/ -2.45 V_{min}, $P_D = 20$ W



Bottom View



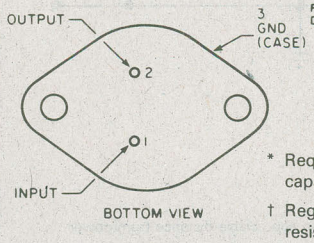
$-V_{OUT} = -1.25V \left(1 + \frac{R2}{120\Omega}\right)$

†C1 = 1 μF solid tantalum or 10 μF aluminum electrolytic required for stability
*C2 = 1 μF solid tantalum is required only if regulator is more than 4" from power-supply filter capacitor

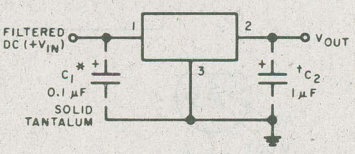
ECG1912, ECG1914, ECG1916, ECG1918, ECG1920, ECG1924 TO-3 See Fig. L11

3-Terminal Positive Fixed Voltage Regulators

ECG Type	Output Voltage $V_O \pm 5\%$	Output Current I_O	Maximum Input Voltage V_{IN}	Minimum Input Voltage V_{IN}	Power Dissipation P_D
ECG1912	12 V	3 A	35 V	14.5 V	30 W
ECG1914	12 V	1.5 A	35 V	14 V	15 W
ECG1916	15 V	1.5 A	40 V	17.4 V	20 W
ECG1918	15 V	3 A	35 V	17.5 V	30 W
ECG1920	18 V	1.5 A	35 V	20.5 V	20 W
ECG1924	24 V	1.5 A	40 V	26.4 V	20 W



BOTTOM VIEW



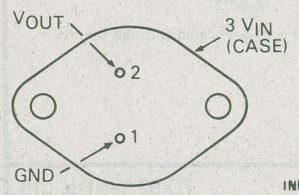
* Required if device is more than 4" from filter capacitor.
† Regulator is stable with no load capacitor into resistive loads.

ECG1913, ECG1915, ECG1919, ECG1923, ECG1925

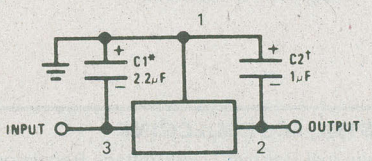
3-Terminal Negative Fixed Voltage Regulators

ECG Type	Output Voltage $V_O \pm 5\%$	Output Current I_O	Maximum Input Voltage V_{IN}	Minimum Input Voltage V_{IN}	Power Dissipation P_D
ECG1913	− 5 V	1.5 A	−35 V	− 7.1 V	15 W
ECG1915	−12 V	1.5 A	−35 V	−14.1 V	15 W
ECG1919	−15 V	1.5 A	−40 V	−17.1 V	15 W
ECG1923	−18 V	1.5 A	−40 V	−20.1 V	15 W
ECG1925	−24 V	1.5 A	−40 V	−26.1 V	15 W

TO-3 See Fig. L11



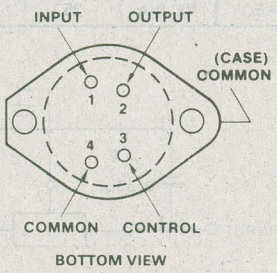
Bottom View



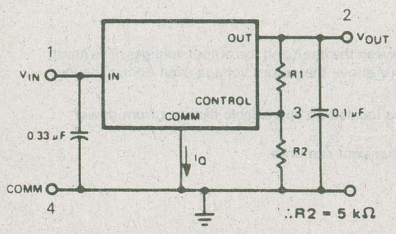
* Required if regulator is separated from filter capacitor by more than 3". For value given, capacitor must be solid tantalum. 25 μF aluminum electrolytic may be substituted.
† Required for stability. For value given, capacitor must be solid tantalum. 25 μF aluminum electrolytic may be substituted. Values given may be increased without limit.
For output capacitance in excess of 100 μF, a high current diode from input to output will protect the regulator from momentary input shorts.

ECG1926 TO-3, 4-Pin See Fig. L11B

4-Terminal Positive Adjustable Voltage Regulator;
$V_O = 5$ V to 30 V, $I_O = 1$ A, $V_{IN} = 40$ V_{max}/7.5 V_{min}, $P_D = 15$ W



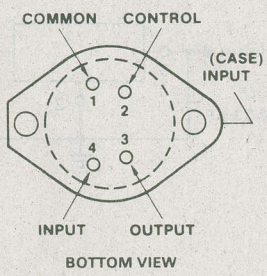
BOTTOM VIEW



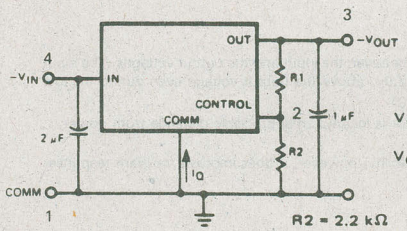
$V_{OUT} = \left(\frac{R1 + R2}{R2}\right) V_{CONTROL}$
$V_{CONTROL}$ Nominal = 5 V

ECG1927 TO-3, 4-Pin See Fig. L11B

4-Terminal Negative Adjustable Voltage Regulator;
$V_O = -2.2$ V to -30 V, $I_O = 1$ A, $V_{IN} = -40$ V_{max}/ -4.7 min,
$P_D = 15$ W



BOTTOM VIEW



$V_{OUT} = \left(\frac{R1 + R2}{R2}\right) V_{CONTROL}$
$V_{CONTROL}$ Nominal = −2.23 V

Package Outlines - See Page 1-297

Linear IC and Module Circuits (cont'd)

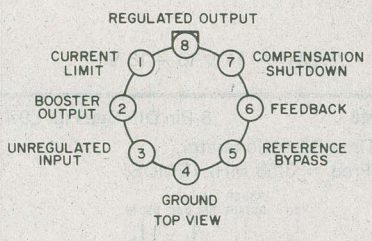
ECG1928
ECG1930

TO-5, 8-Pin See Fig. L3
8-Pin DIP See Fig. L98

Positive Adjustable Voltage Regulator

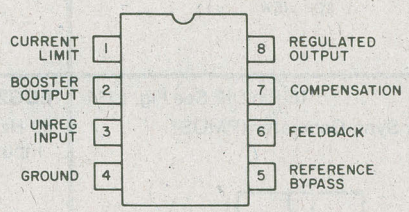
ECG Type	Output Voltage V_O	Output Current I_O	Maximum Input Voltage V_{IN}	Minimum Input Voltage V_{IN}	Power Dissipation P_D	Case Style	Fig. No.
ECG1928	4.5 to 30 V	12 mA	40 V	8.5 V	800 mW	8-Pin Can	L3
ECG1930	5 to 37 V	25 mA	40 V	9 V	400 mW	8-Pin DIP	L98

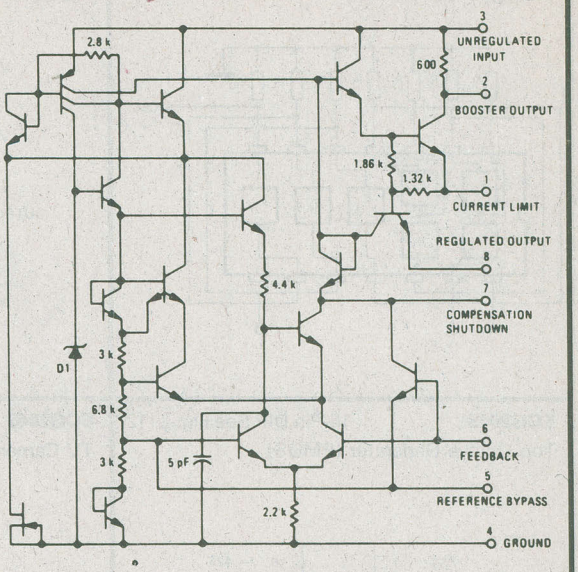
8 Pin Can



NOTE: PIN 4 CONNECTED TO CASE

8 Pin DIP





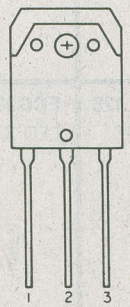
ECG1932

See ECG958
Page 1-179

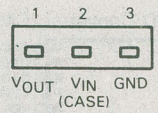
ECG1934, ECG1936, ECG1938, ECG1940

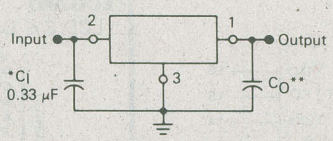
TO-3PJ See Fig. L17A

3 Terminal Positive Voltage Regulators



ECG Type	Output Voltage $V_O \pm 5\%$	Output Current I_O	Maximum Input Voltage V_{IN}	Minimum Input Voltage V_{IN}	Power Dissipation P_D
ECG1934	5 V	2 A	30 V	8 V	50 W
ECG1936	12 V	2 A	35 V	15 V	50 W
ECG1938	15 V	2 A	40 V	18 V	50 W
ECG1940	24 V	2 A	40 V	27 V	50 W





A common ground is required between the input and the output voltages. The input voltage must remain typically 2.0 V above the output voltage even during the low point on the input ripple voltage.

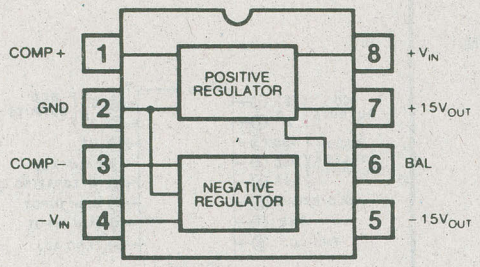
* = C_I is required if regulator is located an appreciable distance from power supply filter.

** = C_O is not needed for stability; however, it does improve transient response.

ECG1941

8-Pin DIP See Fig. L97

Dual Tracking Voltage Regulator ±15 V, V_{IN} = ±30 V Max, I_{OUT} = 100 mA Max

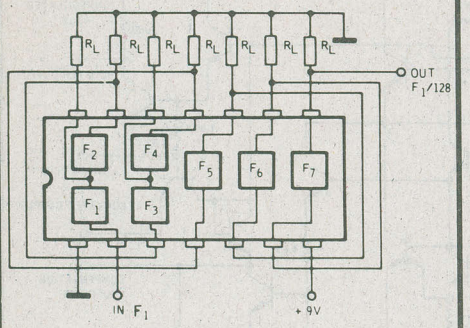


Package Outlines - See Page 1-297

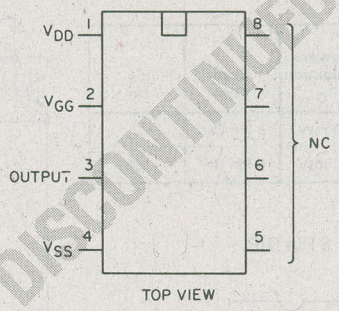
N

Miscellaneous Integrated Circuits

ECG2040 14-Pin DIP See Fig. L104
7-Stage Freq Divider

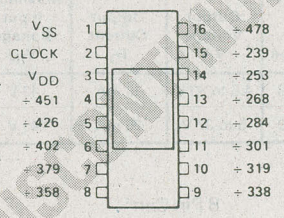


ECG2041 8-Pin DIP See Fig. L97
Digital Noise Generator (MOS)



DISCONTINUED

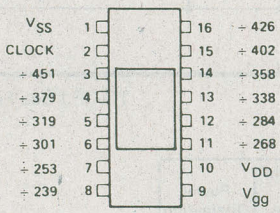
ECG2042 16-Pin DIP See Fig. L112
Top Octave Generator (PMOS)



DISCONTINUED

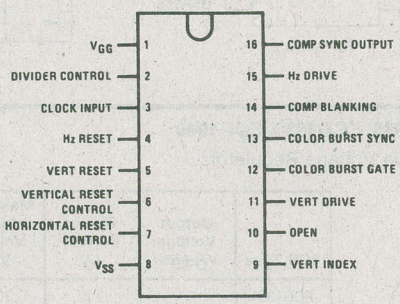
VDD = −11 V to −16 V

ECG2043 16-Pin DIP See Fig. L112
Top Octave Generator (PMOS)

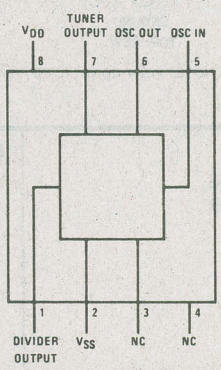


VDD = −11 V to −16 V

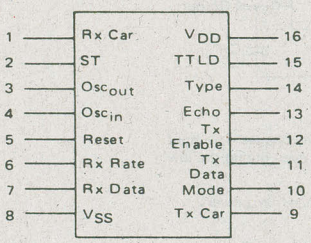
ECG2045 16-Pin DIP See Fig. L111
TV Camera Sync Generator (PMOS)



ECG2046 8-Pin DIP See Fig. L97
60 Hz Time Base Generator
Input Freq = 3.58 MHz (CMOS)

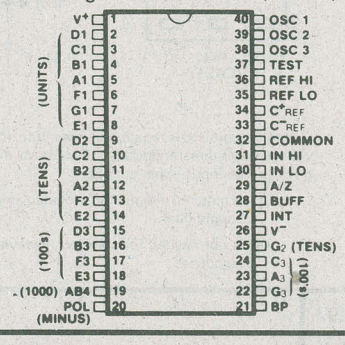


ECG2047 16-Pin DIP See Fig. L112
FSK Modem, 0-600 Baud (CMOS)

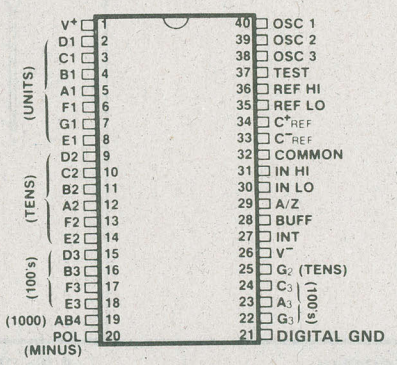


ECG2049 40-Pin DIP See Fig. L125
LED 3½ Digit A/D Converter, Low Power (CMOS)

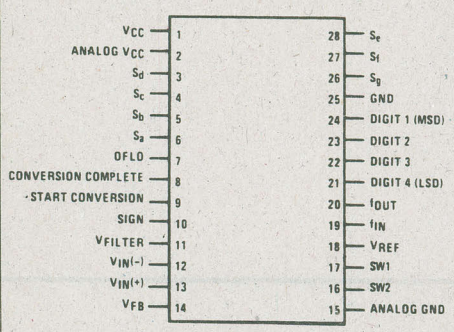
ECG2051
LCD 3½ Digit A/D Converter (CMOS)



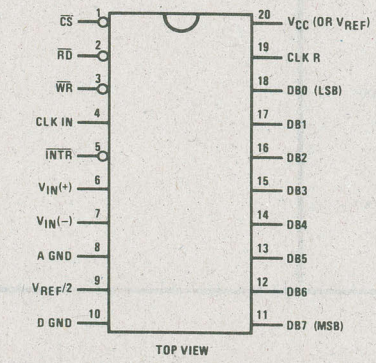
ECG2050 40-Pin DIP See Fig. L125
LED 3½ Digit A/D Converter (CMOS)



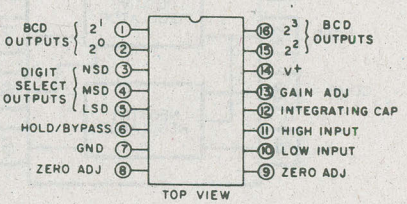
ECG2052 28-Pin DIP See Fig. L124A
3½ Digit A/D Converter with Multiplexed 7-Segment Output (CMOS)



ECG2053 20-Pin DIP See Fig. L118A
8-Bit MPU Compatible A/D Converter (CMOS)



ECG2054 16-Pin DIP See Fig. L112
3 Digit A/D Converter

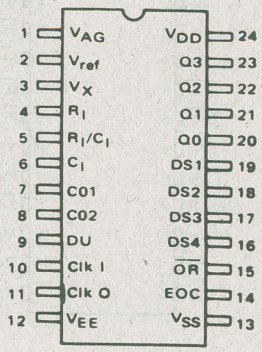


Package Outlines - See Page 1-297

Miscellaneous Integrated Circuits

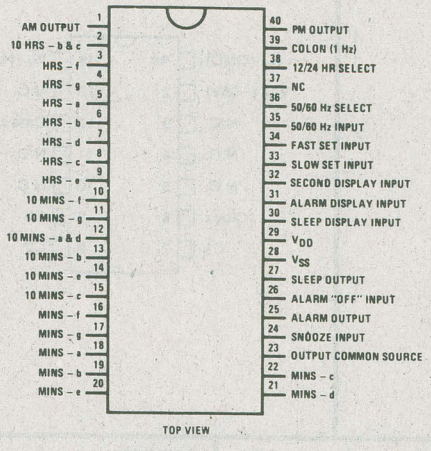
ECG2055 24-Pin DIP See Fig. L122

3½ Digit Analog to Digital Converter (CMOS)



ECG2060 40-Pin DIP See Fig. L125

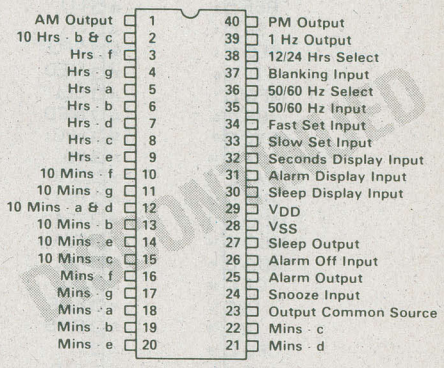
Digital Alarm Clock Ckt for LED Display (PMOS)



TOP VIEW

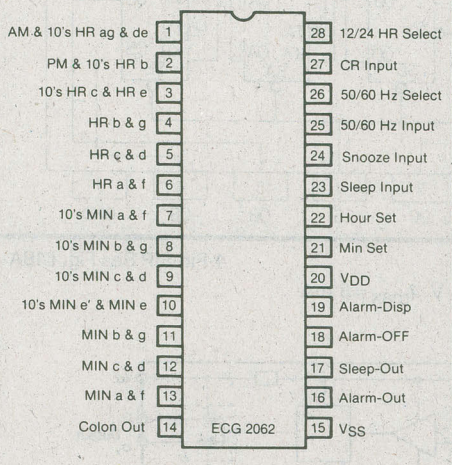
ECG2061 40-Pin DIP See Fig. L125

Digital Alarm Clock Ckt for Vacuum Fluorescent Display (PMOS)



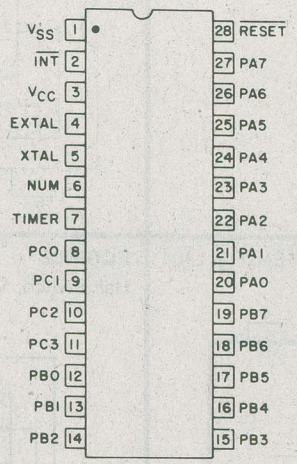
ECG2062 28-Pin DIP See Fig. L124

IC-4 Mode Digital Alarm Clock for LED Display (PMOS), $V_{DD} = -12$ V Typ



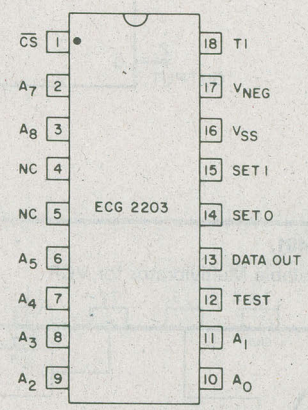
ECG2200, ECG2201, ECG2202, ECG2204, ECG2205, ECG2206 28-Pin DIP See Fig. L124

TV Tuner Microprocessor, $V_{CC} = 5.25$ V, $V_{SS} = 0$ V Typ (HMOS)



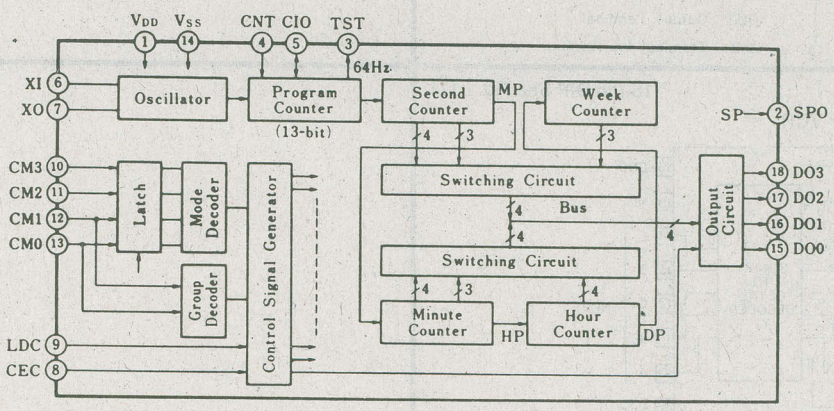
ECG2203 18-Pin DIP See Fig. L115

PMOS-EAROM for TV Tuners, $V_{SS} = +5$ V, $V_{neg} = -30$ V Typ



ECG2207 18-Pin DIP See Fig. L115

Digital Clock for 4-Bit Microcomputers (CMOS)

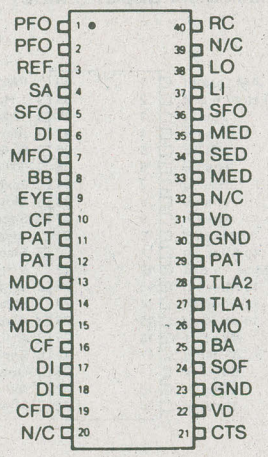


Package Outlines - See Page 1-297

Miscellaneous Integrated Circuits (cont'd)

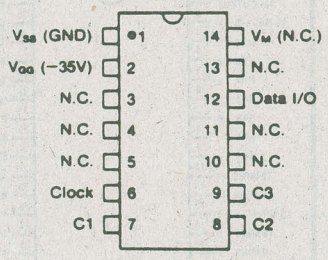
ECG2400 40-Pin DIP See Fig. L125

Modem, 100/300/600/1200 Baud FSK, Single +5 V Supply, Bell 103, 113A and 202 Compatible



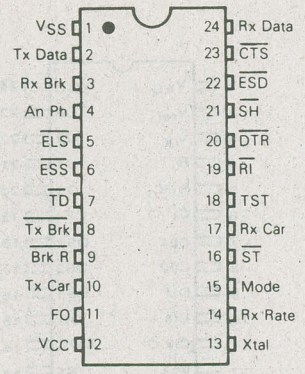
ECG2800 14-Pin DIP See Fig. L104

1400-Bit Serial EAROM for Channel Memory Storage in Digital Tuners (PMOS)



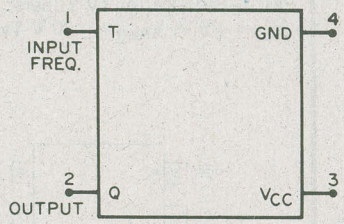
ECG6860 24-Pin DIP See Fig. L122

FSK Digital Modem, 600 bps (MOS)



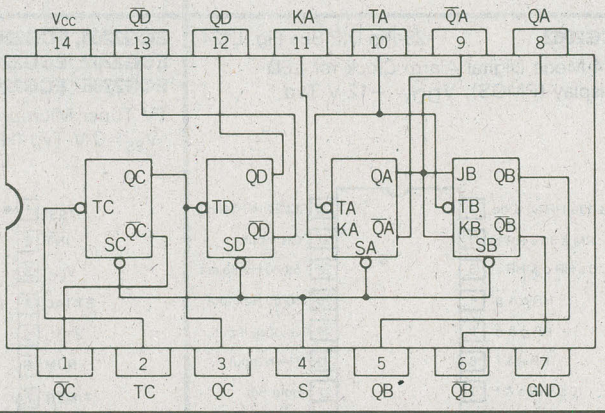
ECG9200 4-Pin SIP See Fig. L18A

I^2L Freq Divider for VCR and Electronic Organs



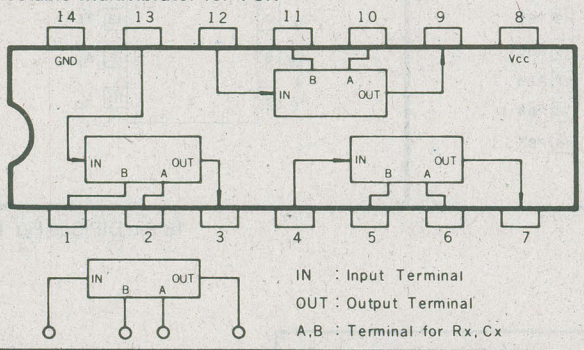
ECG9400 14-Pin DIP See Fig. L104

Pulse Processor for VCR



ECG9401 14-Pin DIP See Fig. L104

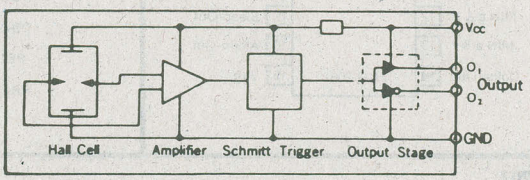
Monostable Multivibrator for VCR



IN : Input Terminal
OUT : Output Terminal
A,B : Terminal for Rx, Cx

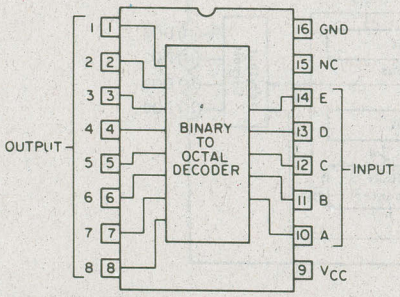
ECG9402 4-Pin SIP See Fig. L18A

Hall Switch, $V_{max} = 18$ V, $I_{max} = 8$ mA



ECG9403 16-Pin DIP See Fig. L111

Binary to Octal Decoder for VCR



Package Outlines - See Page 1-297

IC and Module Outlines

Fig. L1 — 8-Pin Can

ECG

703A

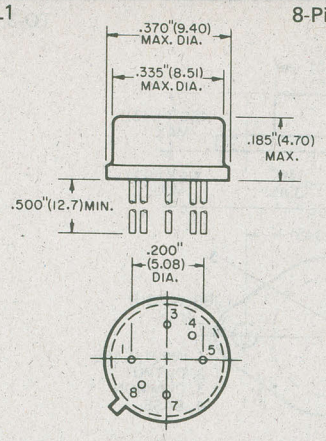


Fig. L1A — 6-Pin Plastic

ECG

703

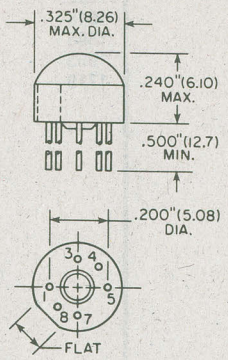


Fig. L1B — 3-Pin Can

ECG

1768
1769
1770

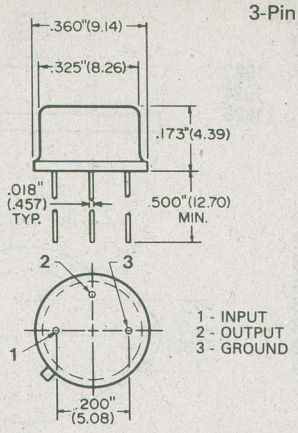
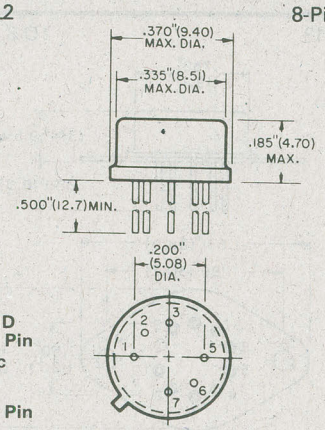


Fig. L2 — 8-Pin Can

ECG

920



1. Q2
2. R
3. GND
4. No Pin
5. Vcc
6. T
7. Q1
8. No Pin

Fig. L3 — 8-Pin Can

ECG

716	**930**
724	**937**
781	**938**
871	**940**
877	**941**
902	**943**
909	**944**
910	**945**
918	**949**
922	**994**
924	**1002**
925	**1171**
928	**1928**

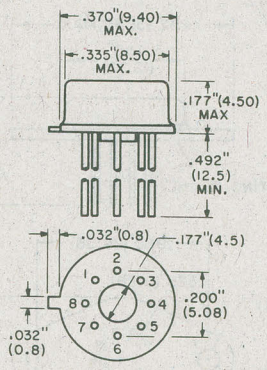


Fig. L4 — 9-Pin Can

ECG

705A

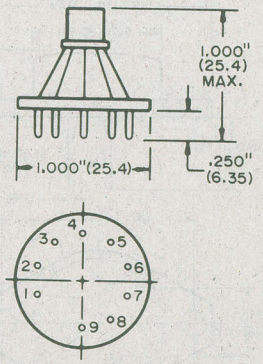


Fig. L5 — 10-Pin Can

ECG

704
711
780

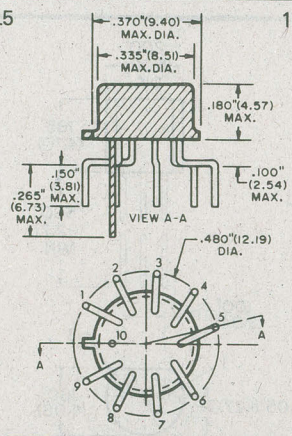


Fig. L6 — 10-Pin Can

ECG

923
927

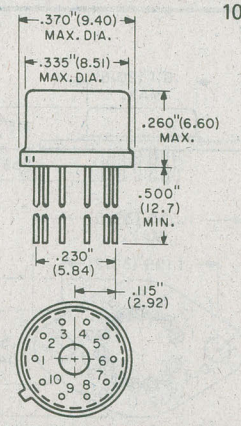
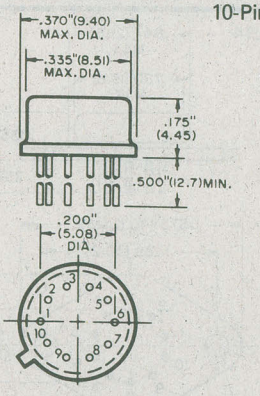


Fig. L7 — 10-Pin Can

ECG

370A
707
726
816*
900
905
911
915
919
947
973
1188



* ECG816 has index tab at pin 1

Fig. L8 — 10-Pin Can

ECG

1053
1137
1224

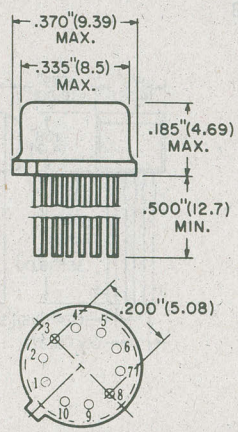


Fig. L9 — TO-5, 12-Pin Can

ECG

784
901
903
904
906
907

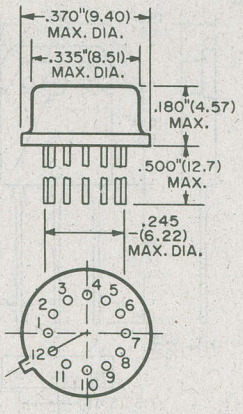
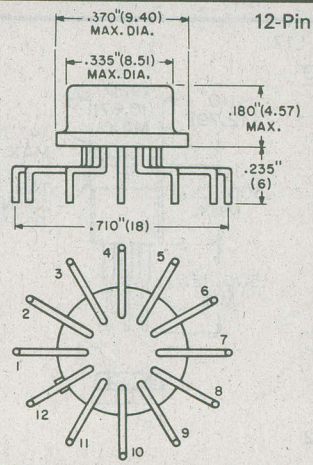


Fig. L10 — 12-Pin Can

ECG

786



N

IC and Module Outlines (cont'd)

Fig. L11 — TO-3

ECG
309K 1923
931 1924
932 1925
933
934
935
970
1911
1912
1913
1914
1915
1916
1918
1919
1920

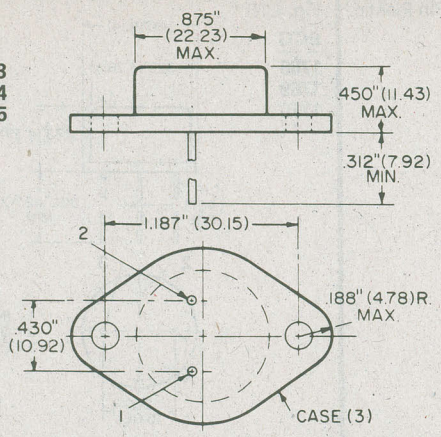


Fig. L11A — TO-3, 3-Pin

ECG
1546
1548
1553
1719

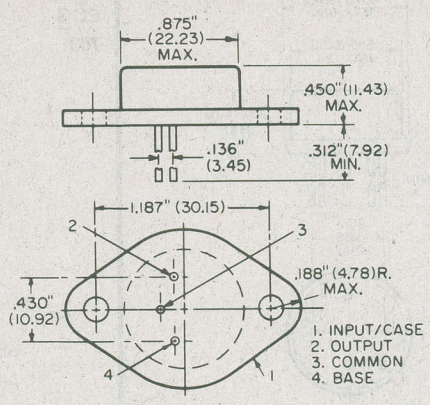


Fig. L11B — TO-3, 4-Pin

ECG
1926
1927

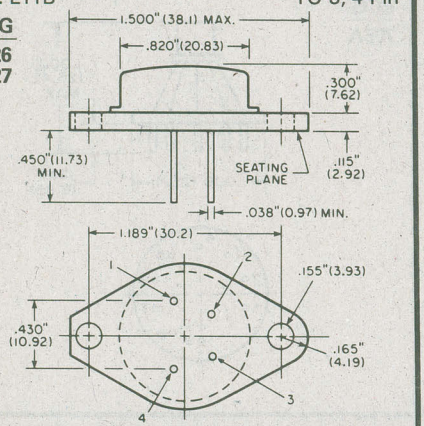


Fig. L12 — TO-66, 9-Pin

ECG
946

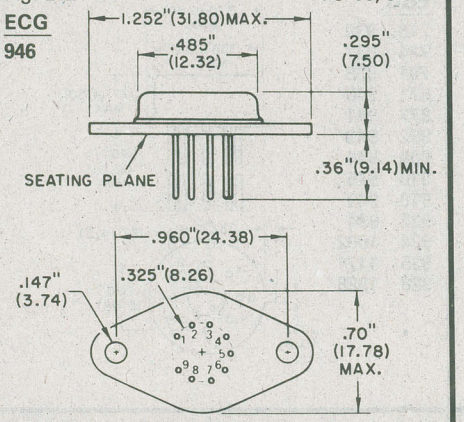


Fig. L13 — TO-3, 9-Pin

ECG
1008

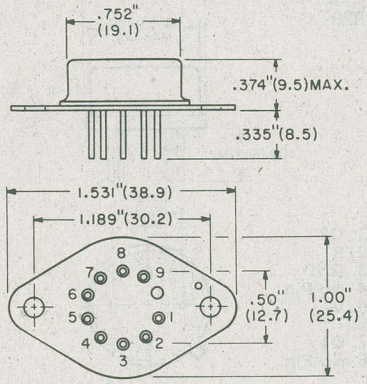


Fig. L14 — TO-3, 10-Pin

ECG
1098

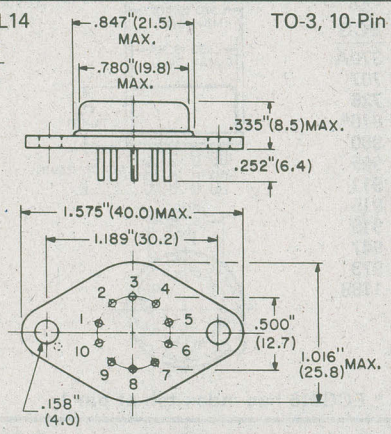


Fig. L15 — TO-3, 14-Pin

ECG
1059

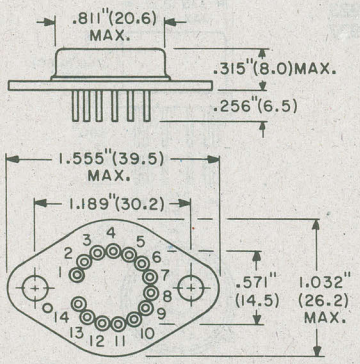


Fig. L16 — TO-92

ECG
950
951
952
977
981
988
1900
1901
1902
1903
1905
1906
1907
1908
1909
1917

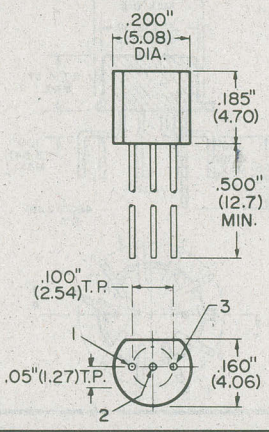


Fig. L17 — TO-220

ECG
956
957
958
959
960
961
962
963
964
965
966
967
968
969
971
972
1932

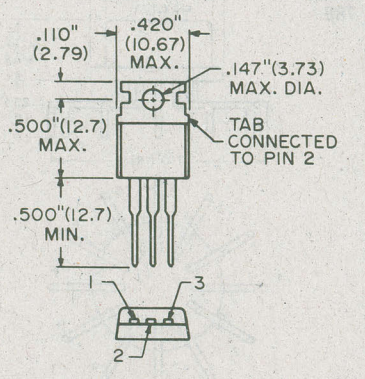


Fig. L17A — TO-3PJ

ECG
1934
1936
1938
1940

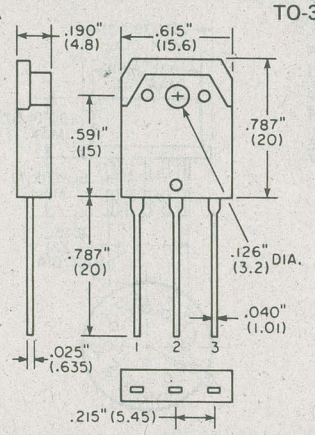
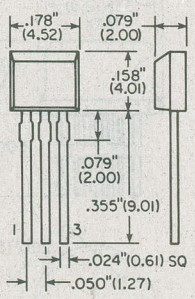


Fig. L17B — 3-Pin SIP

ECG
1705



IC and Module Outlines (cont'd)

Fig. L18 — TO-202, 4-Pin

ECG
953
954

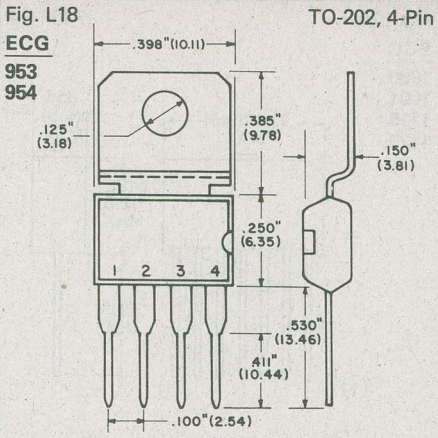


Fig. L18A — 4-Pin SIP

ECG
9200
9402

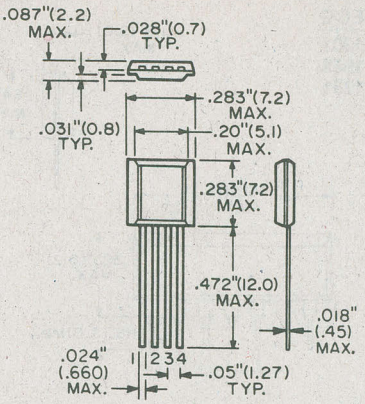


Fig. L18B — 4-Pin SIP

ECG
1740
1741
1742
1743

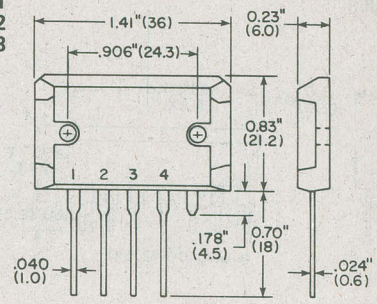


Fig. L19 — TO-220, 5-Pin

ECG
1232
1288
1374
1376
1378
1380
1429•

• Dotted lines for Alt. Package

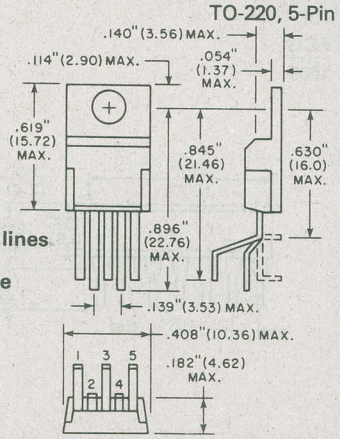


Fig. L20 — 5-Pin SIP

ECG
1012

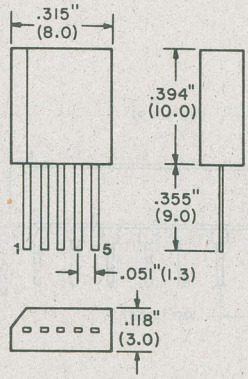


Fig. L21 — 5-Pin ZIL

ECG
1017

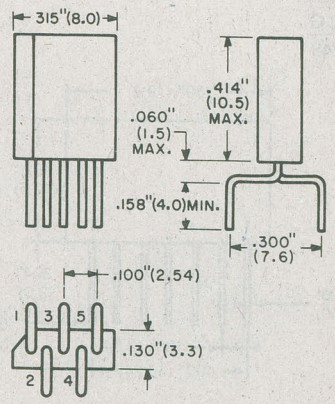


Fig. L22 — 5-Pin SIP

ECG
1434

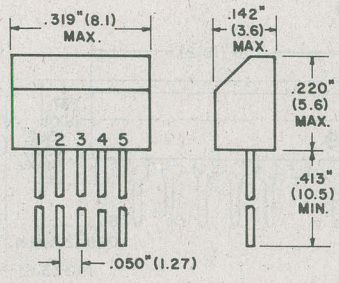


Fig. L23 — 5-Pin SIP

ECG
1102
1104

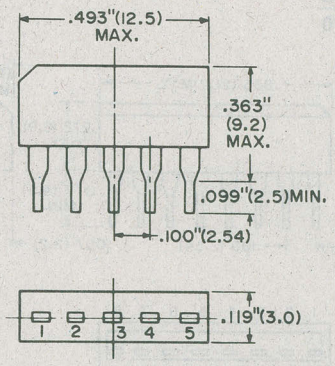


Fig. L24 — 7-Pin SIP

ECG
941S
1085
1087
1100
1101
1103
1128
1234
1235
1462
1464
1468
1474

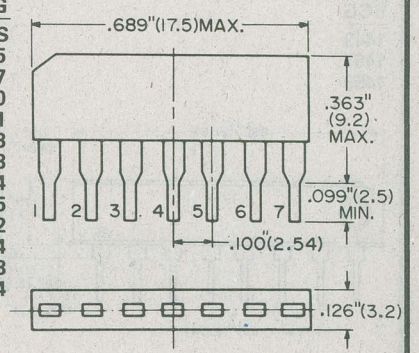


Fig. L25 — 7-Pin SIP

ECG
1052
1082
1092
1195
1497
1680

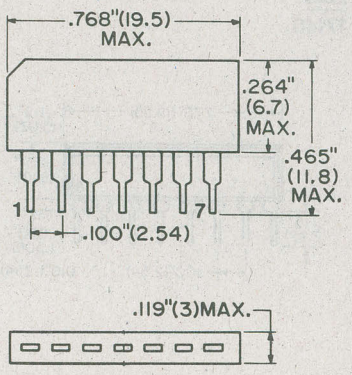


Fig. L26 — 7-Pin SIP

ECG
1135
1241
1431
1433

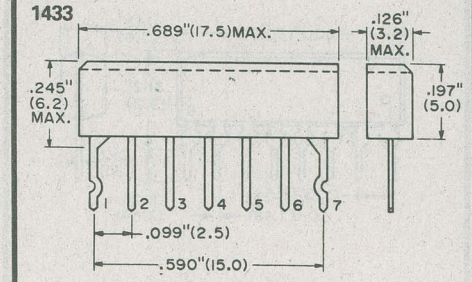
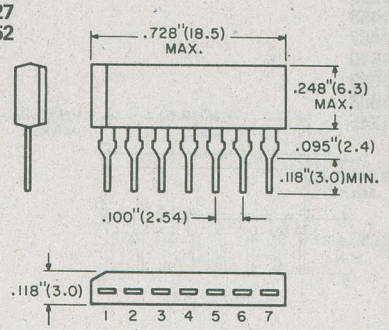


Fig. L27 — 7-Pin SIP

ECG
1223
1249
1427
1452



N

IC and Module Outlines (cont'd)

Fig. L28 — 7-Pin SIP

ECG
1302
1309

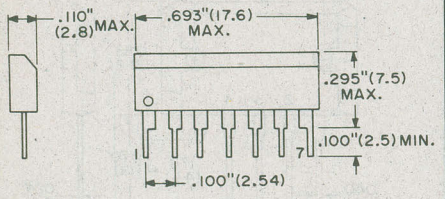


Fig. L29 — 7-Pin SIP

ECG
1301
1569
1751

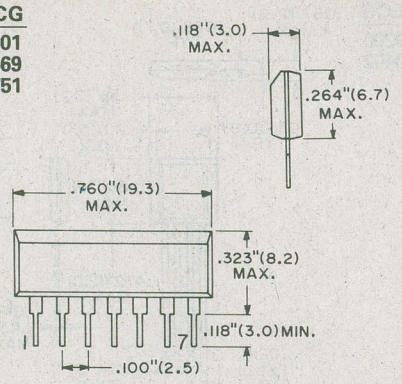


Fig. L30 — 7-Pin SIP

ECG
1000
1001
1119
1120

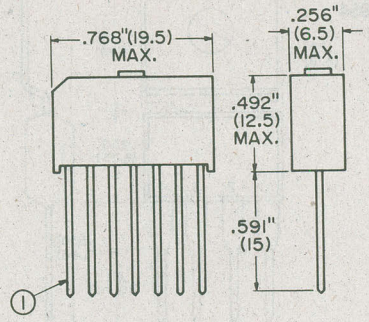


Fig. L30A — 7-Pin SIP

ECG
1748

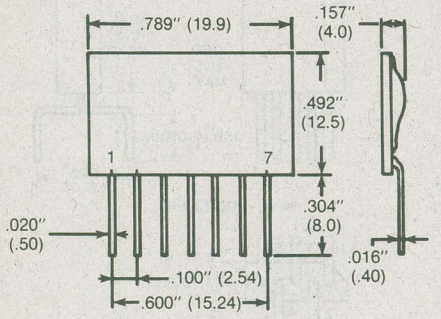


Fig. L31 — 7-Pin SIP

ECG
1541

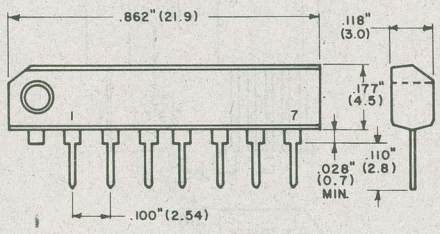


Fig. L31A — 7-Pin SIP

ECG
1609

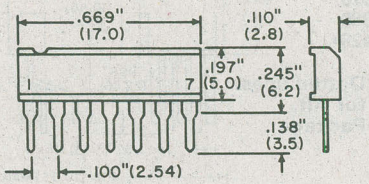


Fig. L32 — 8-Pin SIP

ECG
1449
1457
1459

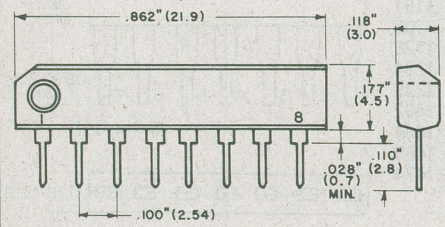


Fig. L33 — 8-Pin SIP

ECG
1170

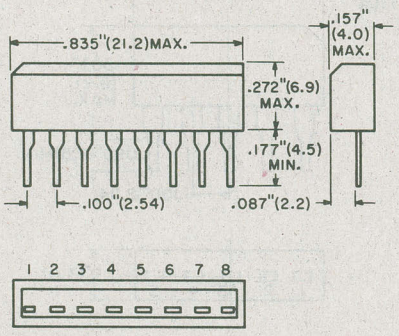


Fig. L34 — 8-Pin SIP

ECG
1040
1660
1666

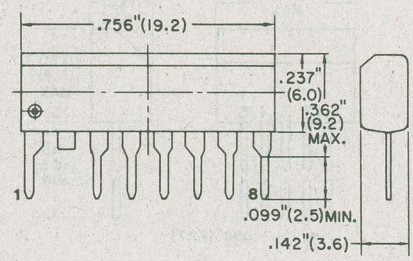


Fig. L35 — 8-Pin SIP

ECG
955S
1300
1458
1467
1510
1659
1668
1745

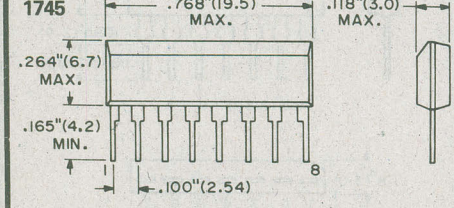


Fig. L35A — 8-Pin SIP

ECG
1635

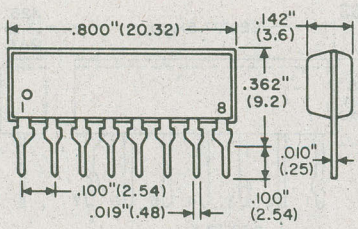
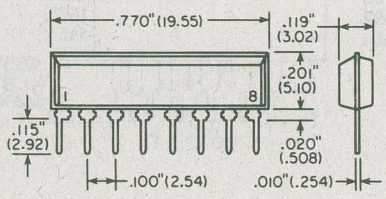


Fig. L35B — 8-Pin SIP

ECG
1714S



IC and Module Outlines (cont'd)

Fig. L36 — 9-Pin SIP

ECG
1465
1479
1658
1708

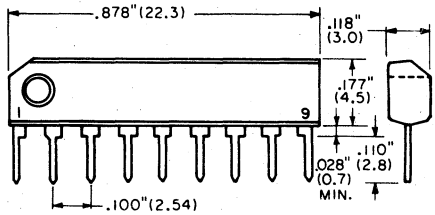


Fig. L37 — 9-Pin ZIL

ECG
1013
1015
1016
1019
1021
1026

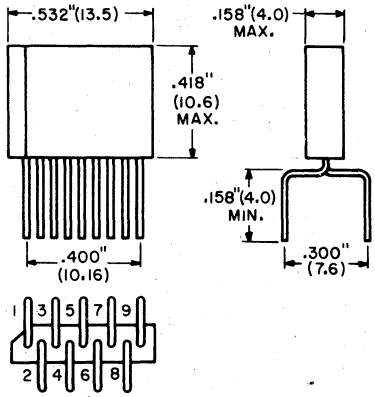


Fig. L38 — 9-Pin ZIL

ECG
1014

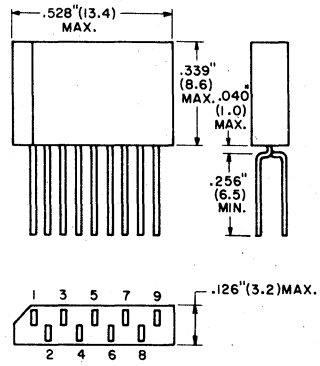


Fig. L39 — 9-Pin SIP

ECG
928S 1466 1523 1718
1192 1498 1525 1730
1197 1499 1529
1208 1521 1657

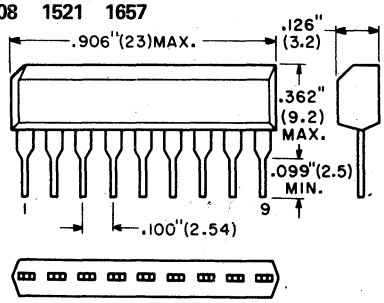


Fig. L40 — 9-Pin SIP

ECG
1210
1561
1612
1627

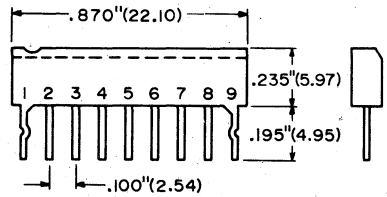


Fig. L41 — 9-Pin SIP

ECG
1421 1503 1620 1688
1435 1610 1625 1704
1448 1615 1629 1709
1502 1618 1682 1711

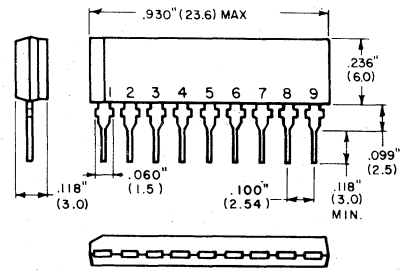


Fig. L42 — 10-Pin SIP

ECG
1517

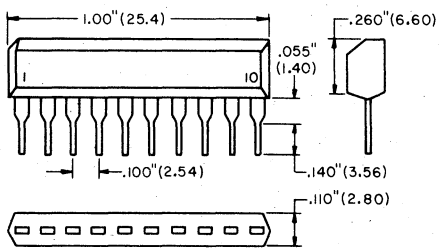


Fig. L43 — 10-Pin SIP

ECG
1201 1204
1202 1247
1203 1262

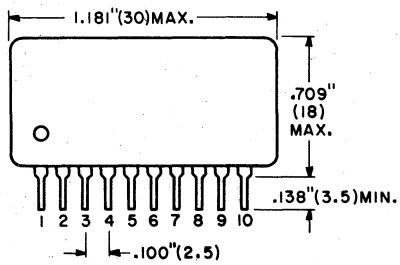


Fig. L44 — 13-Pin ZIL

ECG
1018
1152

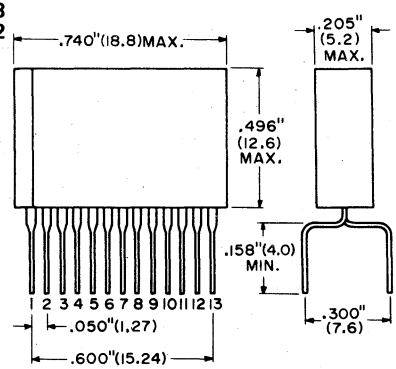


Fig. L45 — 15-Lead Formed SIP

ECG
1493
1495

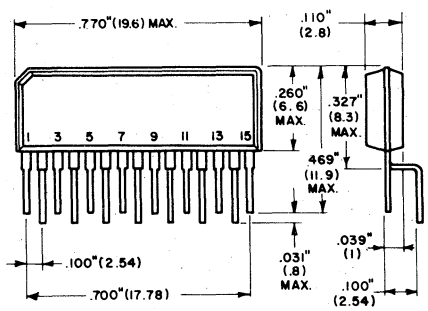


Fig. L46 — 16-Pin ZIL

ECG
1461
1533
1604

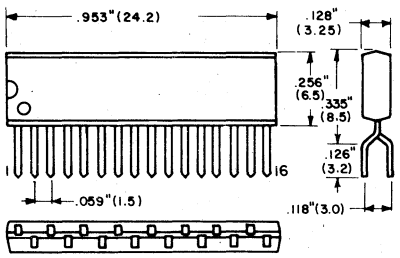
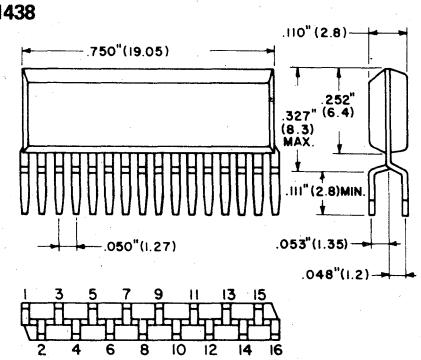


Fig. L47 — 16-Pin ZIL

ECG
1438



N

IC and Module Outlines (cont'd)

Fig. L47A — 16-Pin ZIL

ECG
1631
1717

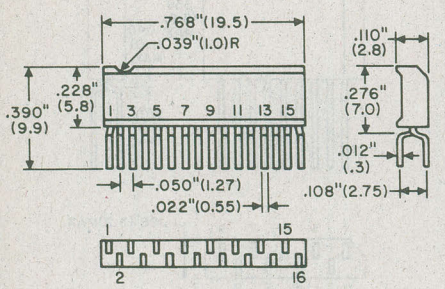


Fig. L48 — 19-Lead Formed SIP

ECG
1518

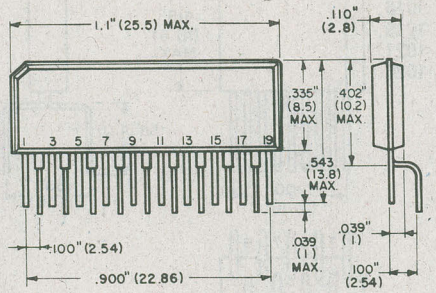


Fig. L49 — 7-Pin SIP

ECG
1285
1676

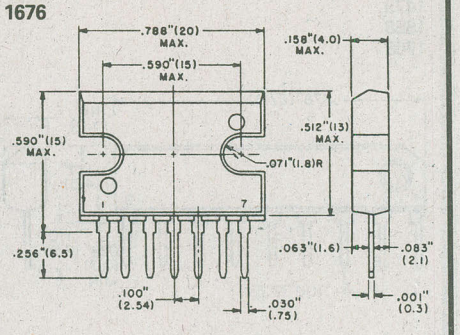


Fig. L50 — 7-Pin SIP

ECG
1286

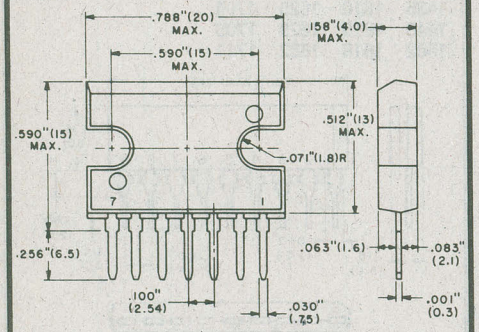


Fig. L51 — 9-Pin SIP

ECG
1058

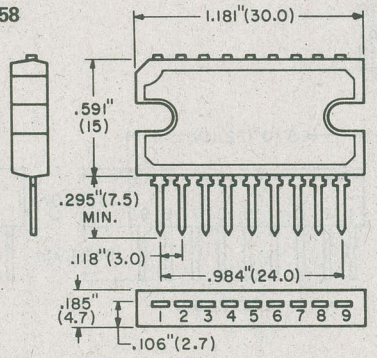


Fig. L51A — 9-Pin SIP

ECG
1754

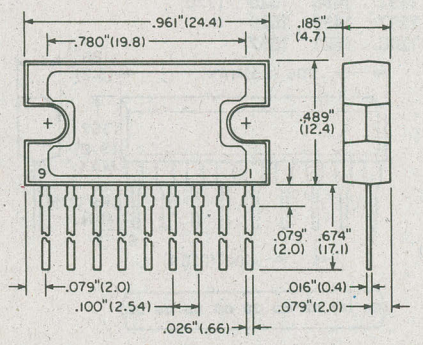


Fig. L52 — 10-Pin SIP

ECG
1390

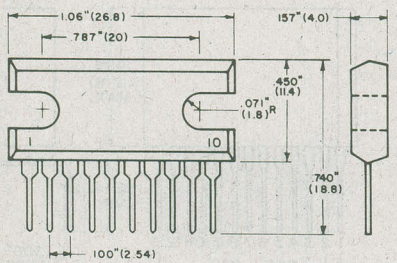


Fig. L52A — 10-Pin SIP

ECG
1724

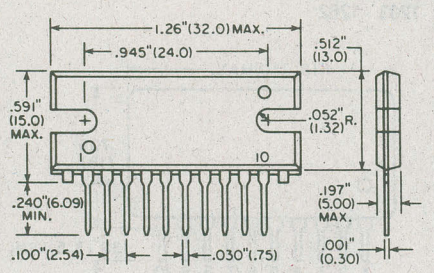


Fig. L53 — 10-Pin SIP

ECG
1391

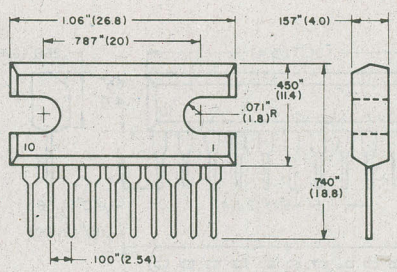


Fig. L53A — 10-Pin SIP

ECG
1319

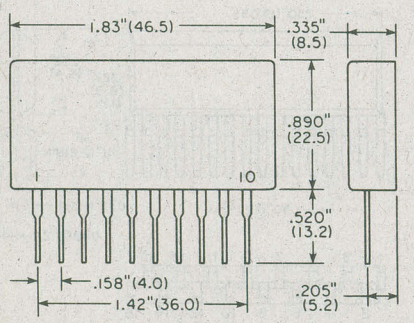


Fig. L54 — 11-Pin SIP

ECG
1240
1369
1406
1485

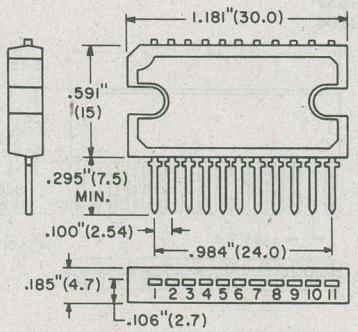
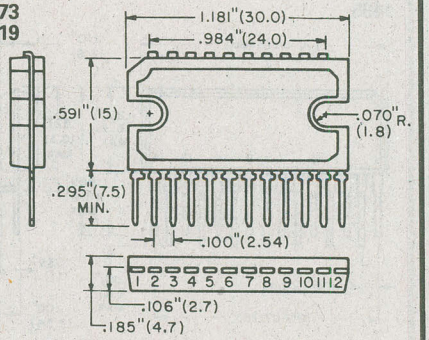


Fig. L55 — 12-Pin SIP

ECG
1371
1373
1619



IC and Module Outlines

Fig. L56 — 12-Pin SIP

ECG
1394

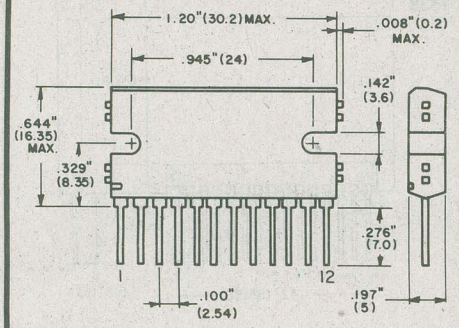


Fig. L57 — 12-Pin SIP

ECG
1293 **14**
1368 **16**
1389 **163**

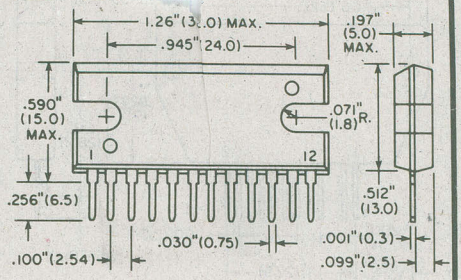


Fig. L57A — 12-Pin SIP

ECG
1707

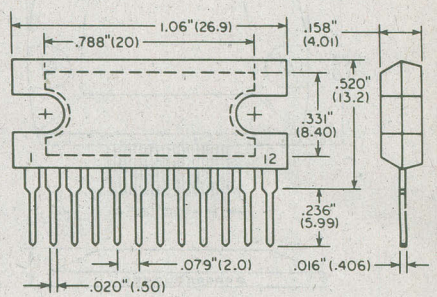


Fig. L58 — 14-Pin SIP

ECG
1377
1637

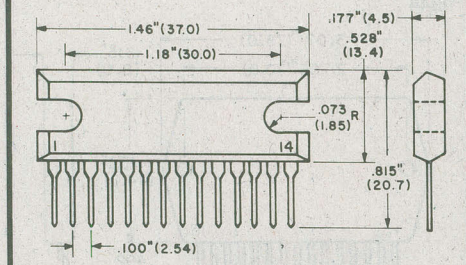


Fig. L59 — 14-Pin SIP

ECG
1291
1364

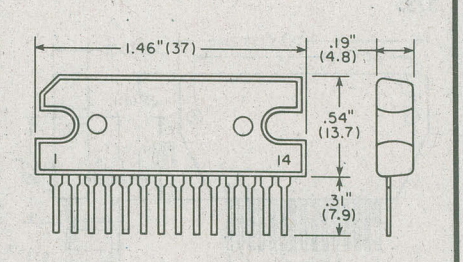


Fig. L60 — 8-Pin SIP

ECG
1348
1354

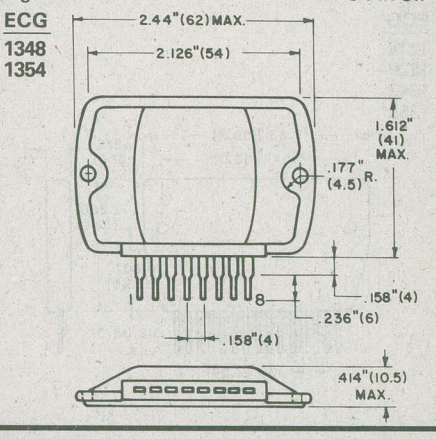


Fig. L61 — 10-Pin SIP

ECG
1350
1355

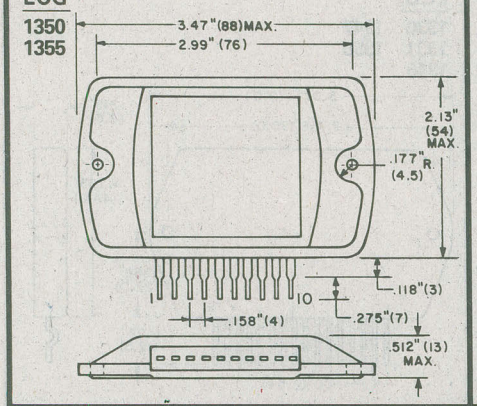


Fig. L62 — 10-Pin SIP-M

ECG
1322
1334
1335
1346

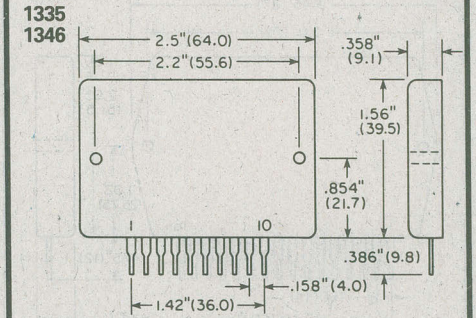


Fig. L63 — 10-Pin SIP-M

ECG
1024
1027
1320
1323
1333

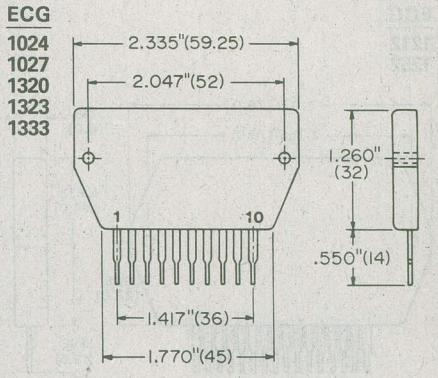


Fig. L64 — 10-Pin SIP-M

ECG
1279
1280
1281
1282
1321
1357
1358
1360

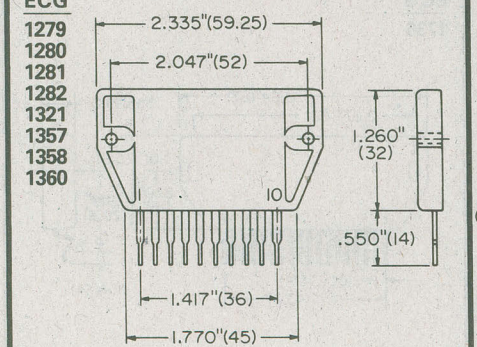


Fig. L65 — 10-Pin SIP-M

ECG
1025
1139
1274

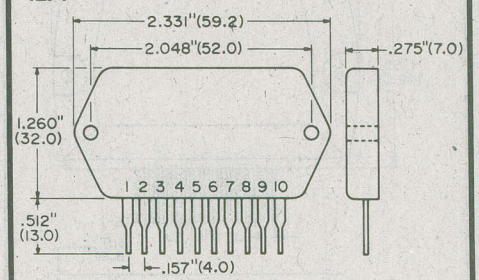
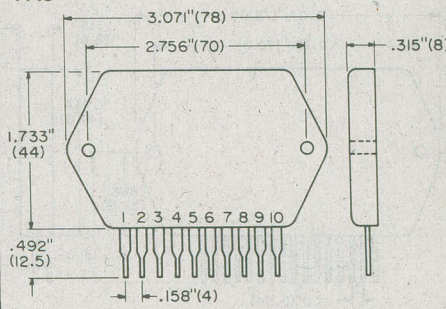


Fig. L66 — 10-Pin SIP-M

ECG
1028 **1090** **1148** **1326** **1327** **1328** **1332** **1337** **1340** **1341** **1342**



N

IC and Module Outlines (c

Fig. L67 — 12-Pin SIP

ECG
1349
1352

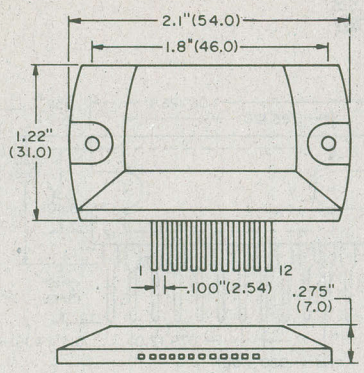


Fig. L67A — -Pin SIP

ECG
1732

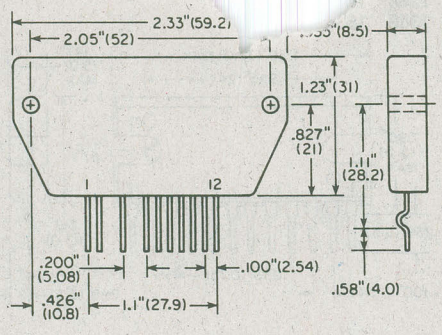


Fig. L68 — 15-Pin SIP-M

ECG
1338
1339

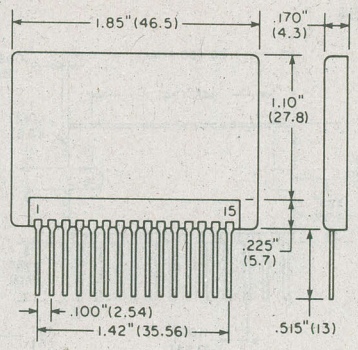


Fig. L69 — 15-Pin SIP-M

ECG
1218
1220
1343
1359

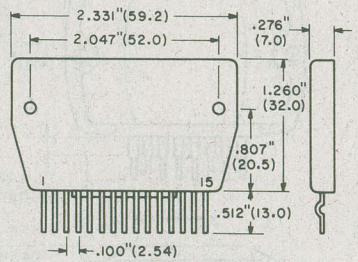
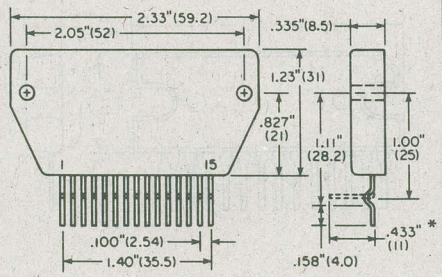


Fig. L69A — 15-Pin SIP-M

ECG
1733*
1734
1735



* ECG1733 Only

Fig. L70 — 15-Pin SIP-M

ECG
1219
1329
1344

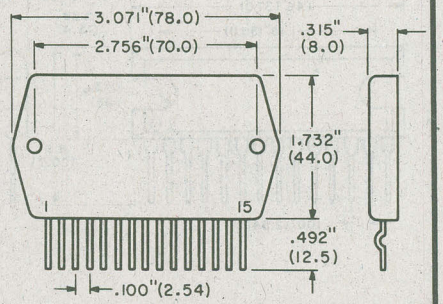


Fig. L71 — 16-Pin SIP-M

ECG
1212
1252

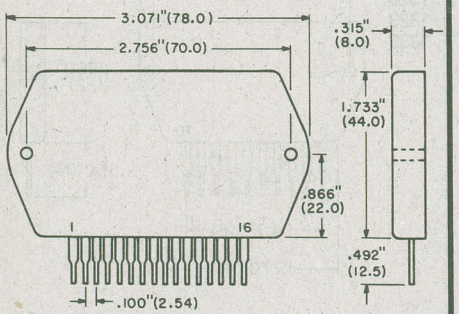


Fig. L72 — 16-Pin SIP-M

ECG
1336

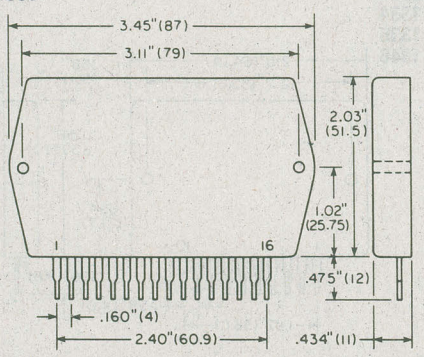


Fig. L73 — 16-Pin SIP-M

ECG
1330 **1347**
1331 **1356**
1345

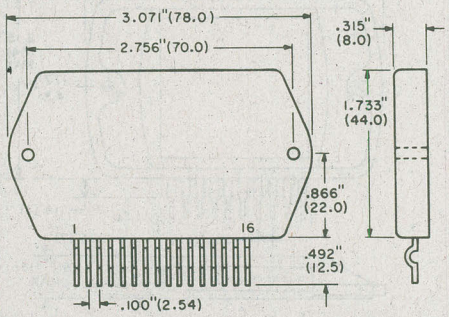


Fig. L74 — 16-Pin SIP-M

ECG
1324
1325

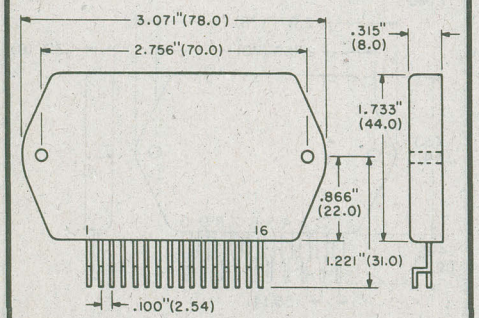


Fig. L75 — 16-Pin SIP

ECG
1351
1353

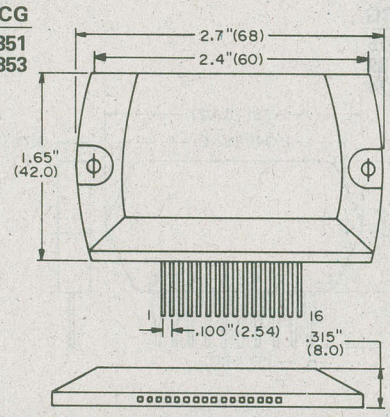
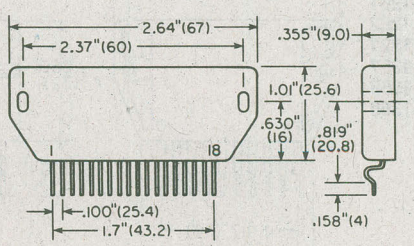


Fig. L75A — 18-Pin SIP-M

ECG
1736



IC and Module Outlines (cont'd)

Fig. L75B — 18-Pin SIP-M

ECG
1737

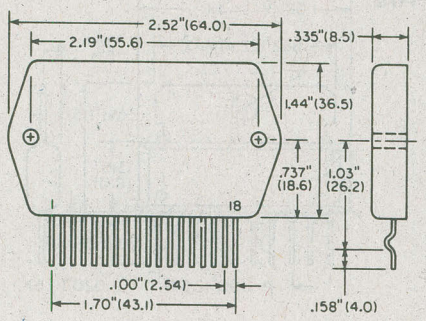


Fig. L76 — 8-Pin SIP-HS

ECG
1244

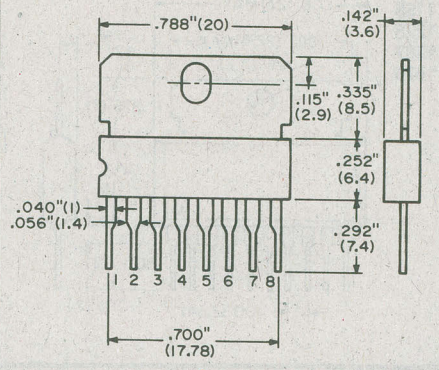


Fig. L76A — 7-Pin SIP-HS

ECG
1684

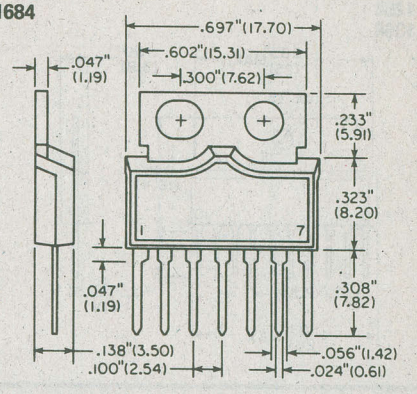


Fig. L77 — 8-Pin SIP-HS

ECG
1271
1423

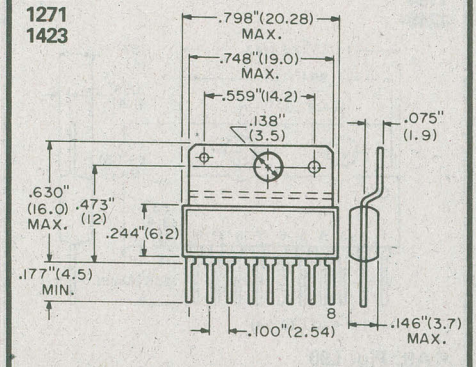


Fig. L78 — 8-Pin SIP-HS

ECG
1424

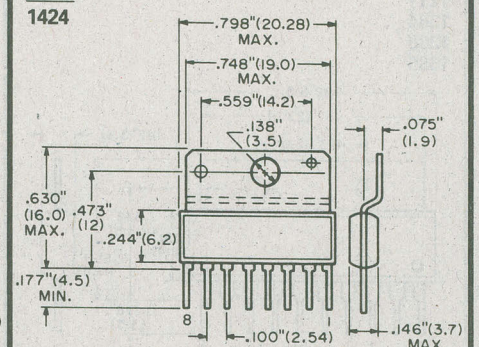


Fig. L79 — 9-Pin SIP-HS

ECG
1363
1365
1674

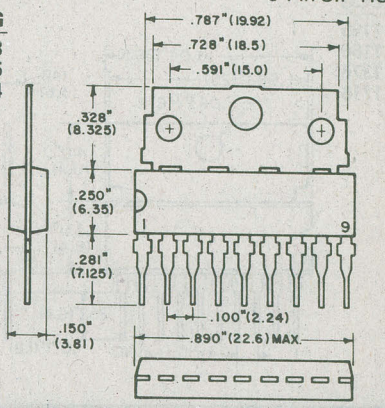


Fig. L80 — 9-Pin SIP-HS

ECG
1361
1362
1628

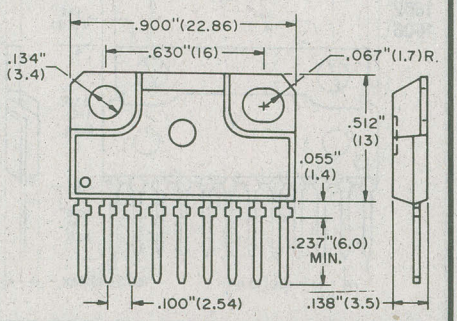


Fig. L81 — 9-Pin SIP-HS

ECG
1407

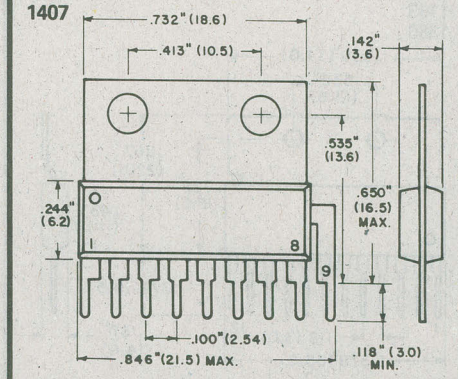


Fig. L81A — 9-Pin SIP-HS

ECG
1566

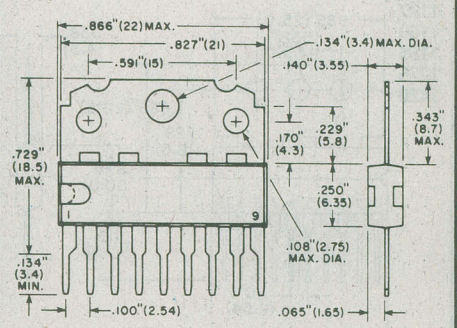


Fig. L81B — 9-Lead Formed SIP

ECG
1567

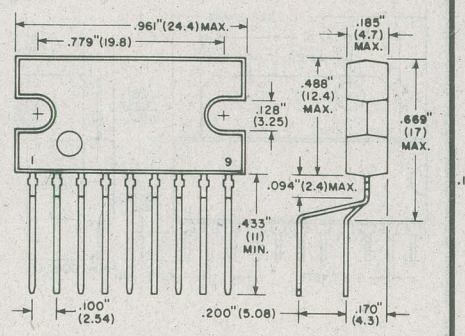


Fig. L82 — 10-Pin SIP-HS

ECG
1261
1284
1393

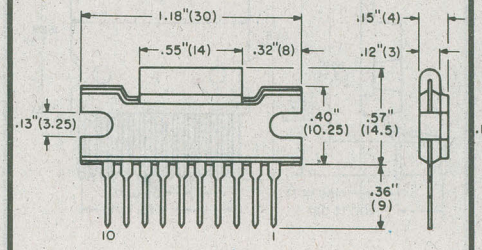
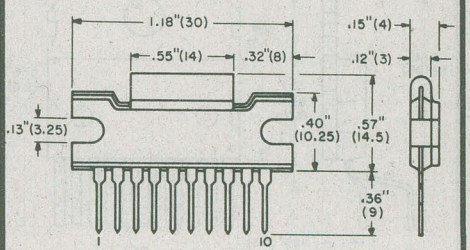


Fig. L83 — 10-Pin SIP-HS

ECG
1169 **1283**
1239 **1392**
1260 **1397**



N

IC and Module Outlines (cont'd)

Fig. L84 — 10-Pin SIP-HS

ECG
1256
1366

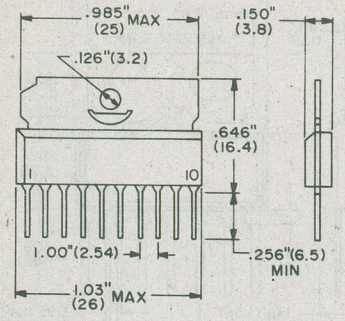


Fig. L85 — 10-Pin SIP-HS

ECG
1153
1155
1278
1387
1476

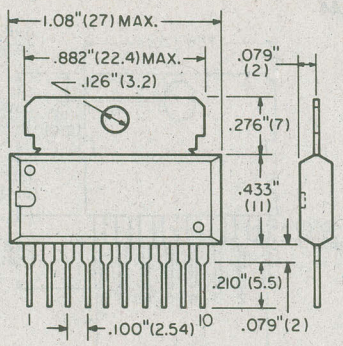


Fig. L86 — 10-Pin SIP-HS

ECG
1370
1478

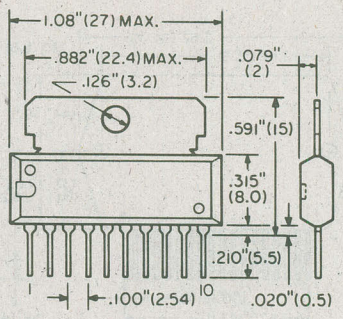


Fig. L87 — 10-Pin SIP-HS

ECG
1165
1166
1375
1716

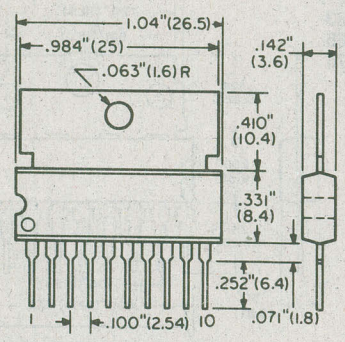


Fig. L88 — 10-Pin SIP-HS

ECG
1211
1384
1388
1685

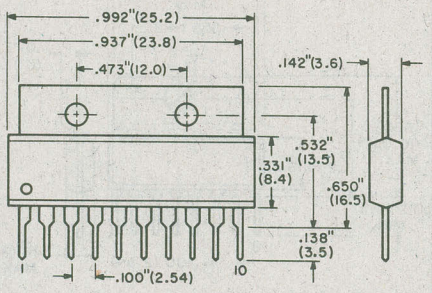
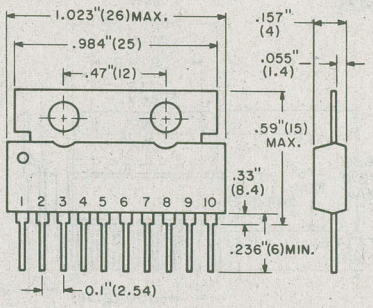


Fig. L89 — 10-Pin SIP-HS

ECG
1194
1245•



• Alt. Fig. L90

Fig. L90 — 10-Pin SIP-HS

ECG
1081A
1127
1160
1185
1275
1420

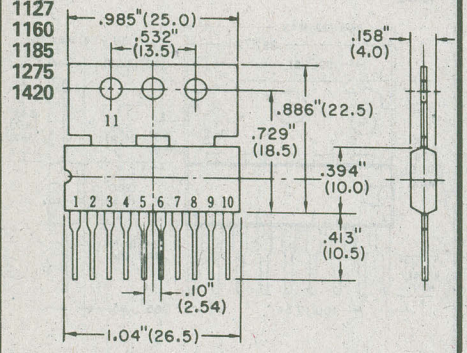


Fig. L91 — 12-Pin SIP-HS

ECG
1193
1386

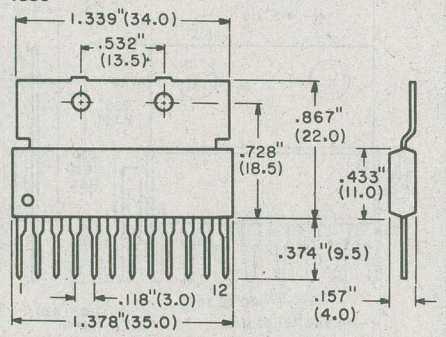


Fig. L92 — 12-Pin SIP-HS

ECG
1395
1398
1399
1602
1606

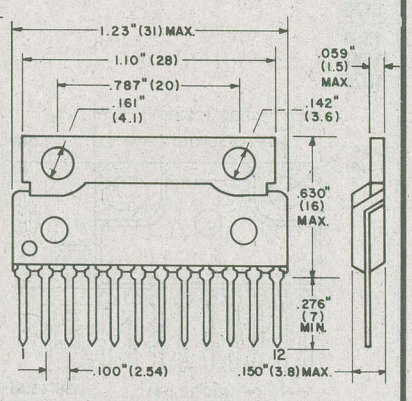


Fig. L93 — 11-Pin SIP-HS

ECG
1396

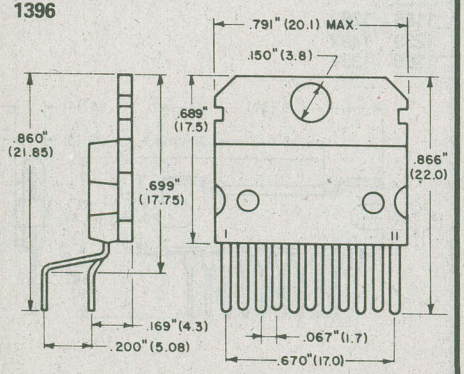


Fig. L93A — 15-Pin SIP-HS

ECG
1681
1750

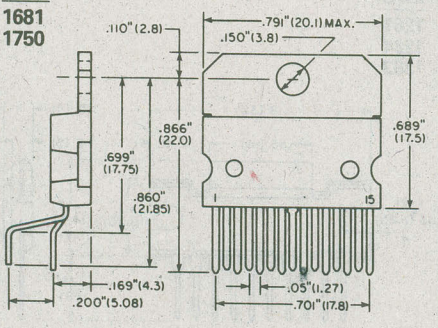
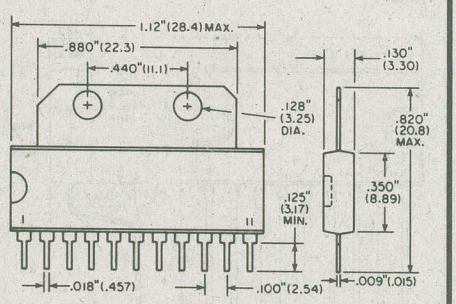


Fig. L93B — 11-Pin SIP-HS

ECG
1687



IC and Module Outlines (cont'd)

Fig. L94 — 4-Pin DIP-Q

ECG
752
753
755
757
758
759

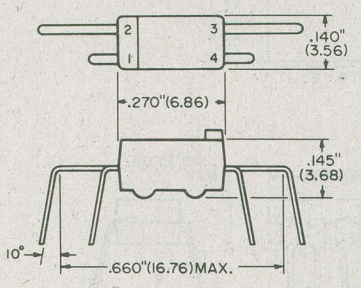


Fig. L95 — 6-Pin DIP-Q

ECG
760
761
763
765
767
768
770

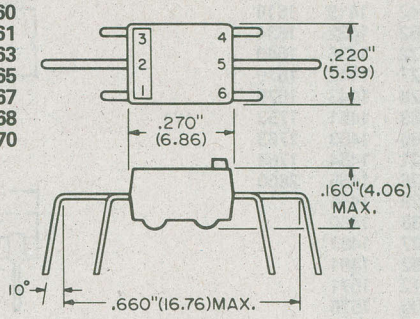


Fig. L96 — 4-Pin DIP

ECG
735

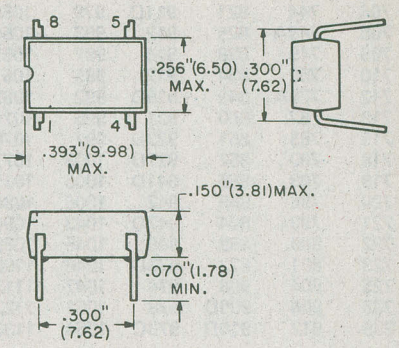


Fig. L96A — 6-Pin DIP

ECG
1603

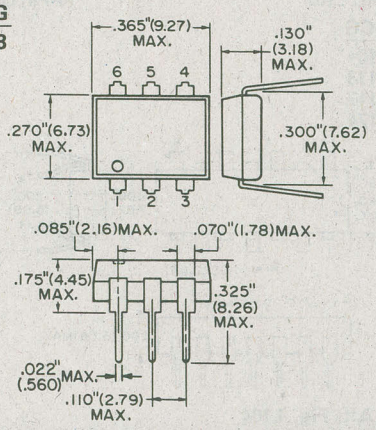
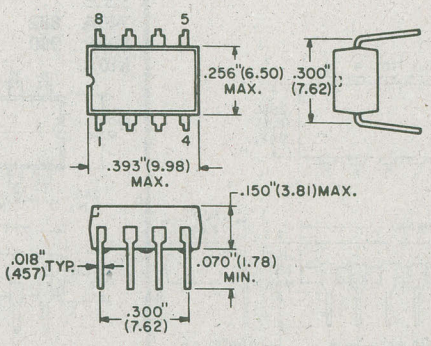


Fig. L97 — 8-Pin DIP

ECG

736	938M	1209
766A	941M	1227
772A•	955MC	1294
795	976	1504
805	994M	1505
817	995M	1581
836	996	1639
856	1039	1641
876	1041	1648
918M	1042	1649
922M	1179	1941
924M	1187	2046
928M		



• Alt. Fig. L101

Fig. L98 — 8-Pin DIP

ECG

745	937M
746	943M
747	944M
778A	955M
815	975
823	1714M
824	1930
829	
832	
833	
838	
839	
857M	
858M	
863	

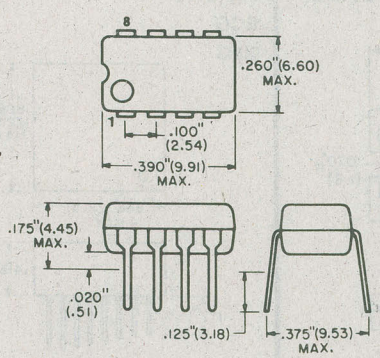


Fig. L99 — 8-Pin DIP-Q

ECG
773
776

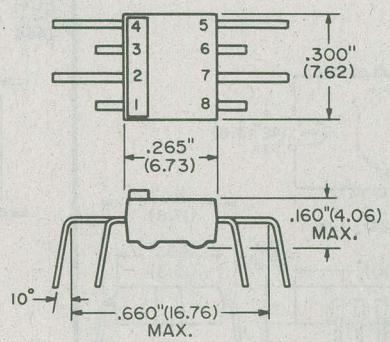
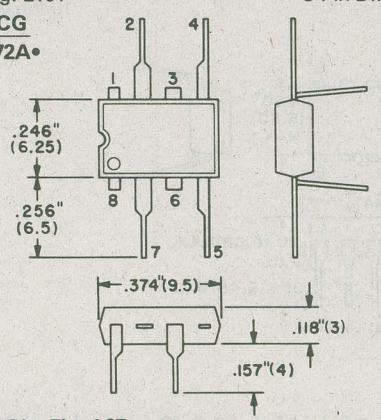


Fig. L101 — 8-Pin DIP-Q

ECG
772A•



• Alt. Fig. L97

Fig. L102 — 10-Pin DIP

ECG
1450

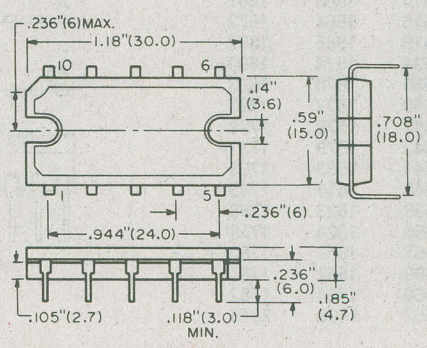
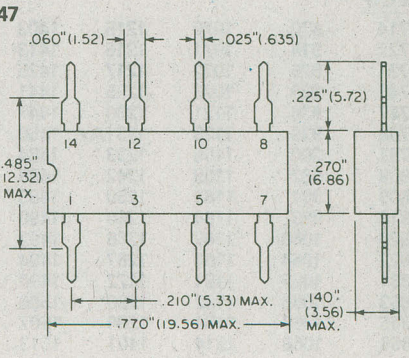


Fig. L103 — 14-Pin DIP

ECG
847



N

IC and Module Outlines (cont'd)

Fig. L104 — 14-Pin DIP

ECG

706	744	821	911D	979	1055	1142	1419	1616
708	748A	825	912	983	1056	1162	1432	1634
709	749	828	914	987	1057	1172	1436	1640
710	750	834	917	989	1061	1177	1442	1670
712	779A	849	919D	992	1062	1178	1443	1679
713	782	850	921	995	1074	1183	1451	1753
715	783	851	923D	997	1076	1186	1453	1763
718	790	852	927D	1003	1077	1221	1454	1764
719	793	855	941D	1005	1079	1226	1455	2800
720	798	859	942	1006	1080	1229	1456	
721	799	864	947D	1043	1094	1236	1480	
722	800	869	948	1045	1099	1287	1487	
723	801	872	973D	1046	1108	1292	1491	
725	804	908	974	1047	1112	1312	1571	
738	806	909D	978	1051	1122	1400	1575	
739	812	910D	978C	1054	1136	1415	1580	

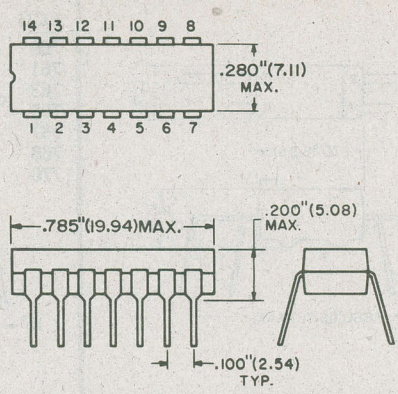
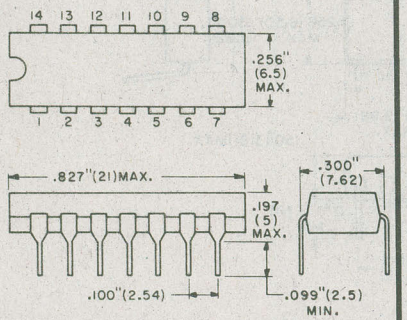


Fig. L105 — 14-Pin DIP

ECG

1004
1109
1149
1206
1213
1237
1243
1308•
1418
1678

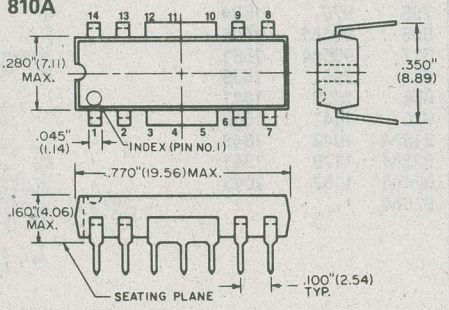


• Alt. Fig. L143

Fig. L106 — 14-Pin DIP-W

ECG

740A 862
804• 990
810A

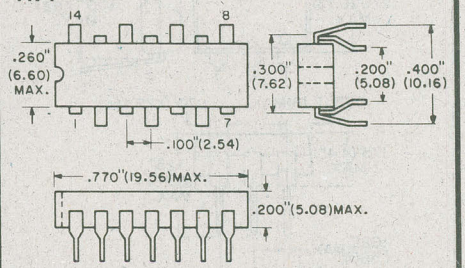


• Alt. Fig. L104, L132

Fig. L107 — 14-Pin DIP-Q

ECG

710•
1113
1117
1174



• Alt. Fig. L104

Fig. L108 — 14-Pin DIP

ECG

1078

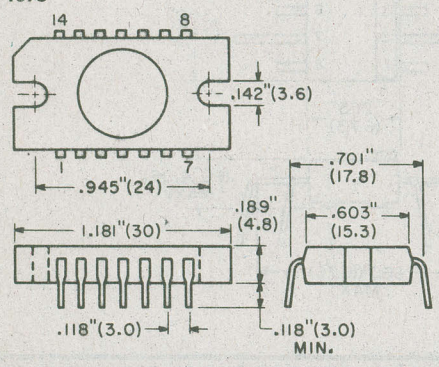


Fig. L109 — 16-Pin DIP

ECG

1444

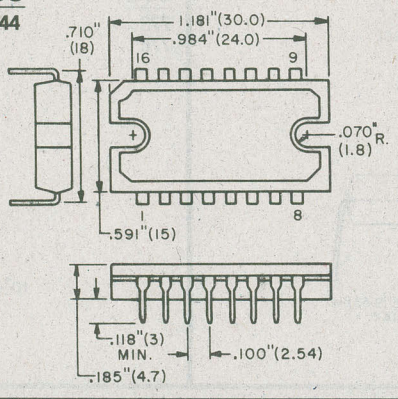


Fig. L110 — 16-Pin (Dual 8)

ECG

1083

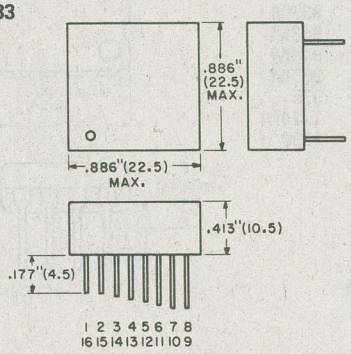
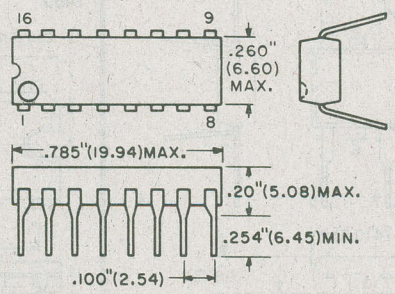


Fig. L111 — 16-Pin DIP

ECG

714	870	1070	1215	1403	1514	1563	1662
727	916	1071	1216	1413	1515	1564	1672
731	926	1072	1217	1425	1519	1565	1677
743	929	1073	1225	1441	1534	1574	1690
787	936	1121	1230	1447	1538	1576	1693
788	939	1123	1231A•	1460	1540	1577	1725
791	980	1158	1233	1484	1542	1578	1729
808	982	1159	1242	1488	1543	1579	1731
809	984	1163	1250	1489	1544	1593	1739
818	993	1164	1264	1490	1545	1611	1749
820	1060	1167	1266	1492	1555	1623	1758
822	1064	1168	1267	1494	1556	1624	1759
831	1065	1181	1272	1496	1557	1651	1760
853	1066	1182	1290	1506	1559	1652	1761
865	1067	1184	1298	1507	1560	1654	1762
866	1068	1214	1401	1513	1562	1655	2045



• Pins 4 & 5, 12 & 13 webbed together

IC and Module Outlines (cont'd)

Fig. L112 — 16-Pin DIP

ECG

700	1069	1446
701	1084	1482
702	1086	1568
792	1091	1573
794	1106	1703
802	1124	1720
803	1130	1721
835	1131	1723
840	1133	2047
841	1134	
842	1173	
843	1200	
861	1205	
991	1248	
1022	1263	
1049	1408	

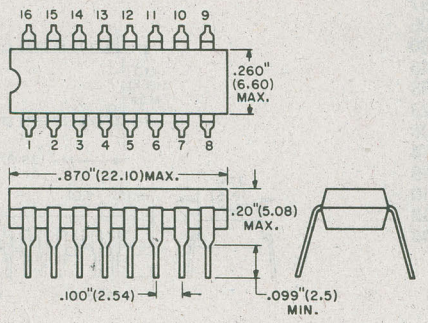


Fig. L113 — 16-Pin DIP-Q

ECG

728
729
789
797

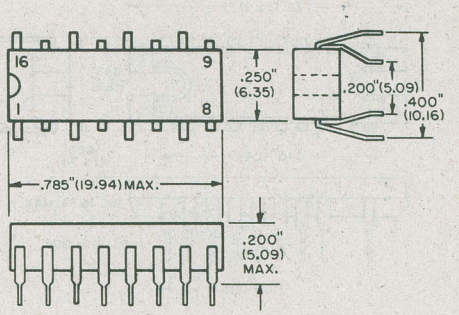


Fig. L114 — 16+2-Pin DIP-ET

ECG

1296
1471
1486
1527
1550
1583
1585
1597
1600
1686

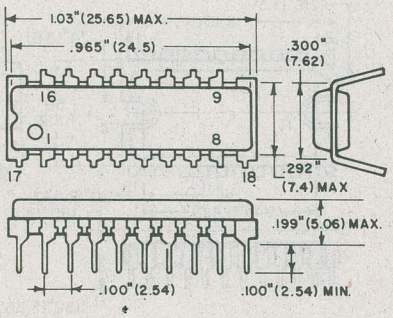


Fig. L115 — 18-Pin DIP

ECG

826	1700
846	1702
860	1713
867	1715
1295	1722
1314	1727
1508	1752
1509	1755
1539	1756
1549	1757
1558	2203
1632	2207
1683	
1689	
1691	
1692	

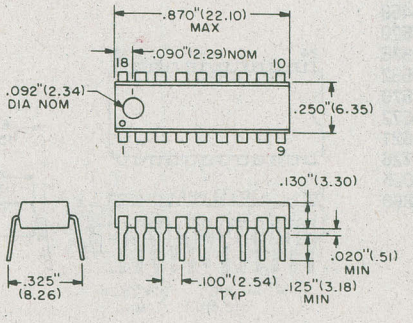


Fig. L116 — 18-Pin DIP

ECG

1265
1367
1383

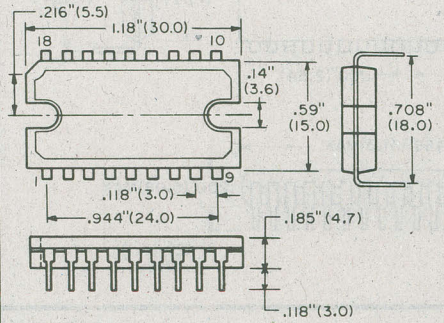


Fig. L117 — 16+2-Pin DIP-Q

ECG

730

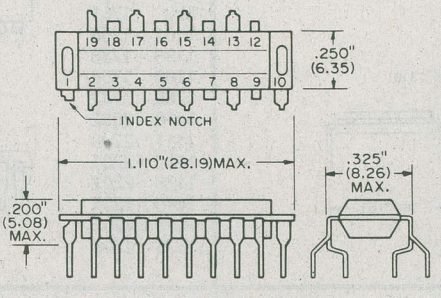


Fig. L118 — 20-Pin DIP

ECG

1089 1536
1475 1595

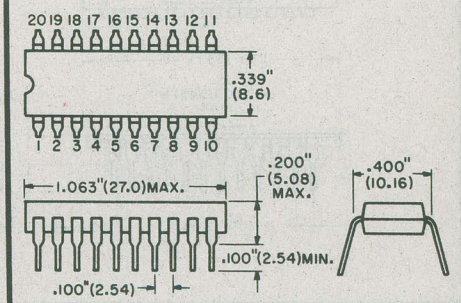


Fig. L118A — 20-Pin DIP

ECG

1633
2053

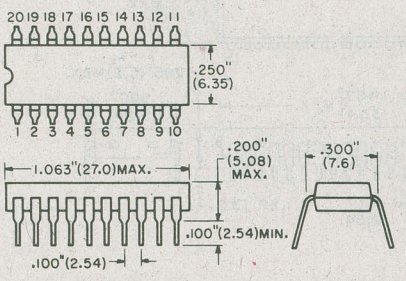


Fig. L119 — 20-Pin DIP

ECG

1273 1379
1372

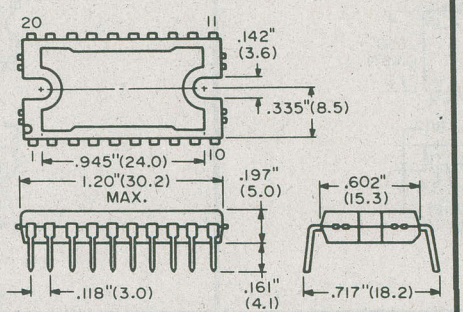
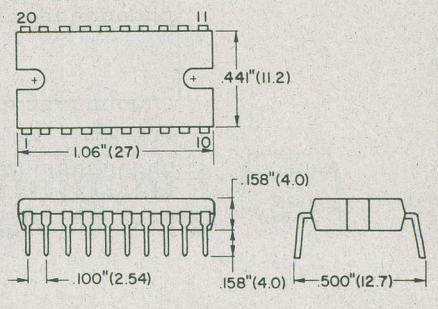


Fig. L119A — 20-Pin DIP

ECG

1675



N

IC and Module Outlines (cont'd)

Fig. L120 — 20-Pin DIP (18 Pins)

ECG
1382

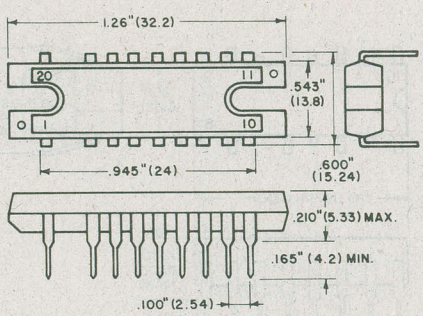


Fig. L121 — 22-Pin DIP

ECG
1253
1297
1405
1430
1445
1483
1528
1636
1664
1669
1710
1712
1744

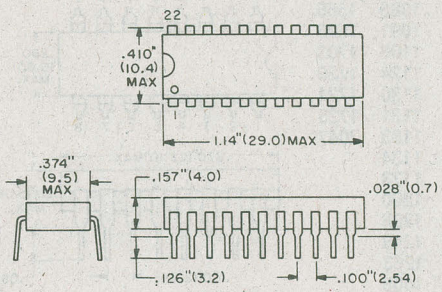


Fig. L122 — 24-Pin DIP

ECG

845	1437
868	1469
986	1520
1196	1535
1198	1552
1199	1570
1254	1572
1299	1621
1402	1726
1409	2055
1412	6860
1417	

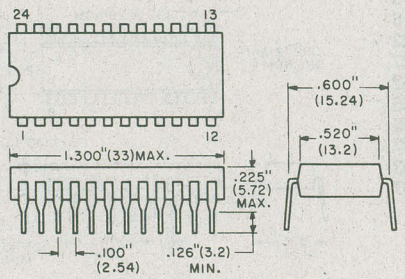


Fig. L122A — 24-Pin DIP

ECG
1270
1587
1613
1630

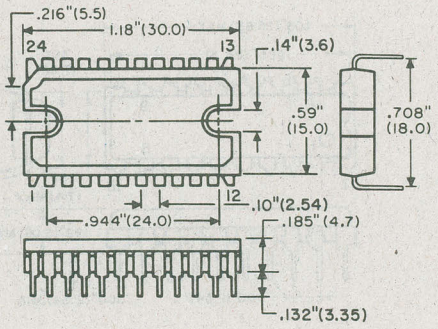


Fig. L123 — 24-Pin DIP

ECG
854

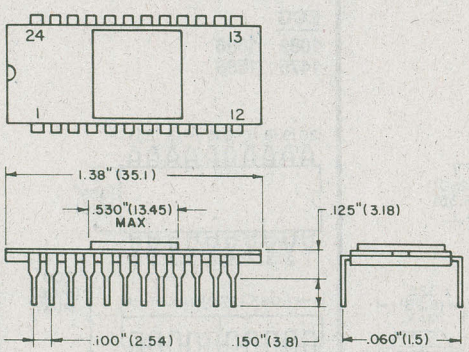


Fig. L124 — 28-Pin DIP

ECG

813	1532
844	1589
873	1591
874	1650
875	1673
878	1701
1161	1706
1189	1738
1268	1746
1269	1747
1410	2062
1411	2200
1416	2201
1428	2202
1440	2204
1473	2205
1526	2206

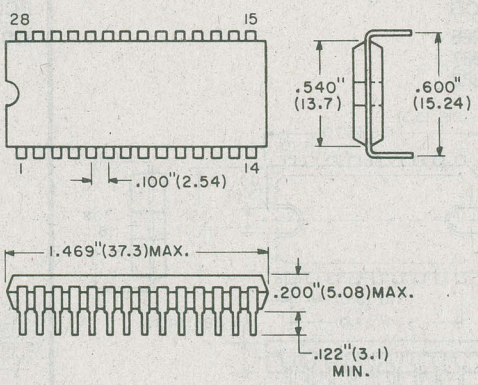


Fig. L124A — 28-Pin DIP

ECG
2052

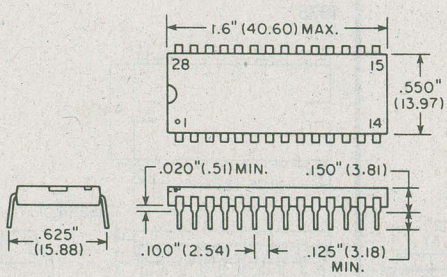
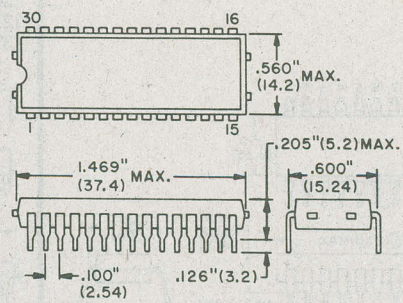


Fig. L124B — 30-Pin DIP

ECG
1617
1653
1656



IC and Module Outlines (cont'd)

Fig. L124C — 30-Pin DIP

ECG
1728

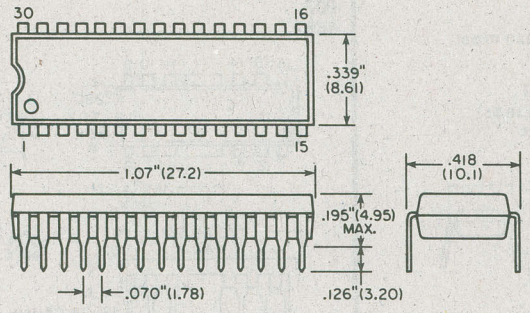


Fig. L125 — 40-Pin DIP

ECG
1414
2049

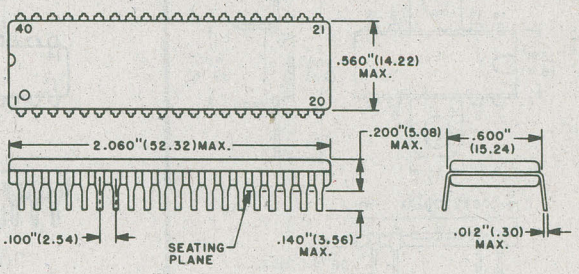


Fig. L126 — 42-Pin DIP

ECG
1537
1547
1665
1671

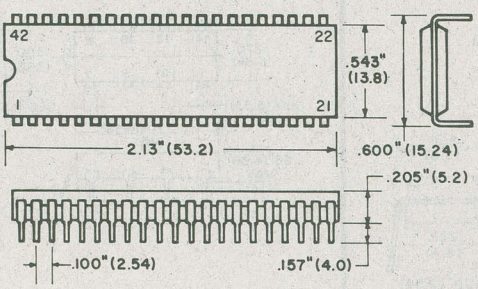


Fig. L127 — 8-Pin DIP-W

ECG
1009
1010
1011
1150

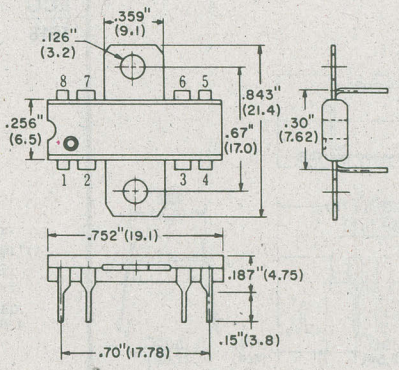


Fig. L128 — 10-Pin DIP-W

ECG
1259

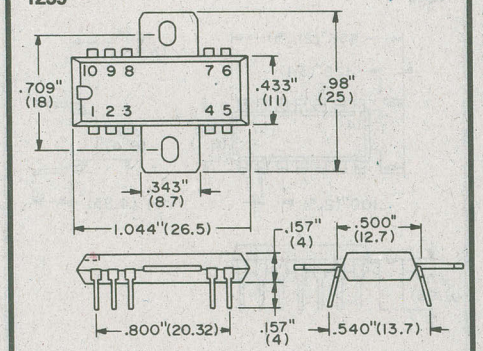


Fig. L129 — 12-Pin DIP-W

ECG
1031
1032
1033
1035
1036
1238

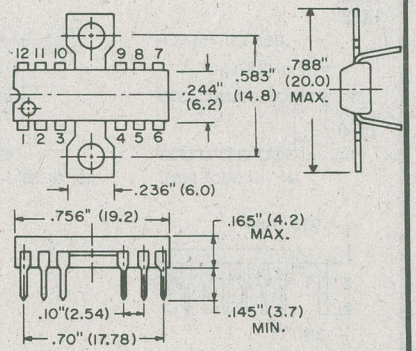


Fig. L130 — 12-Pin DIP-W

ECG
1115
1554

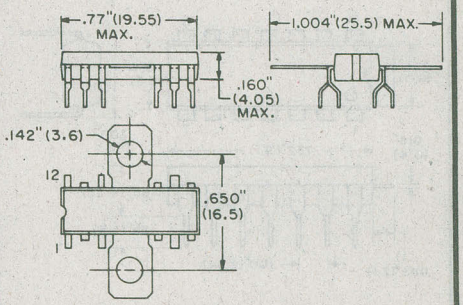


Fig. L131 — 12-Pin DIP-QW

ECG
1115A **1231**
1116 **1289**

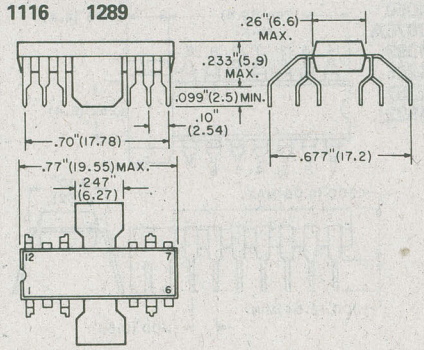


Fig. L132 — 14-Pin DIP-W

ECG
804

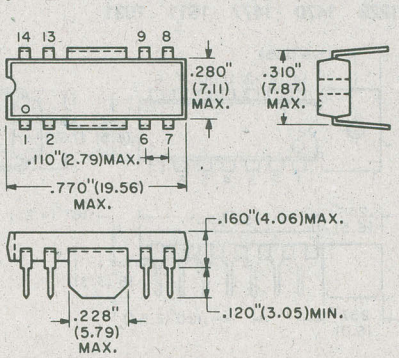
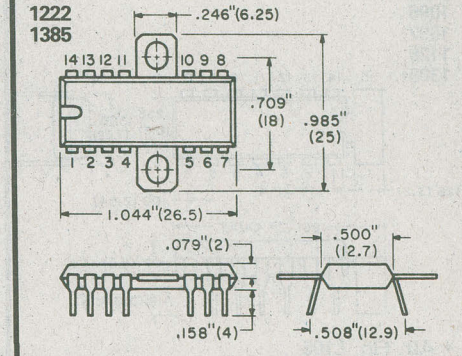


Fig. L133 — 14-Pin DIP-W

ECG
1154
1222
1385



N

IC and Module Outlines (cont'd)

Fig. L134 — 14-Pin DIP-W

ECG
1023
1107

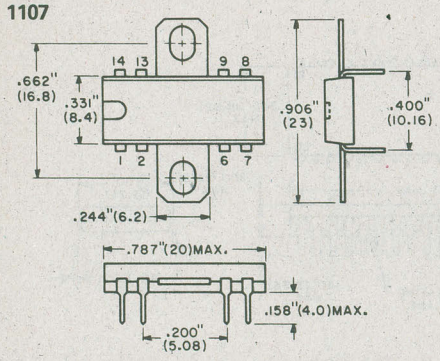


Fig. L135 — 14-Pin DIP-W

ECG
814A

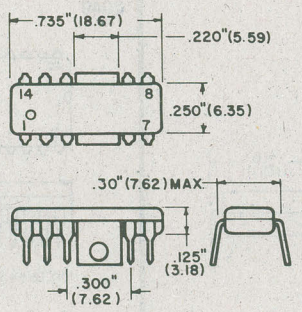


Fig. L136 — 16-Pin DIP-W

ECG
742
807
1667

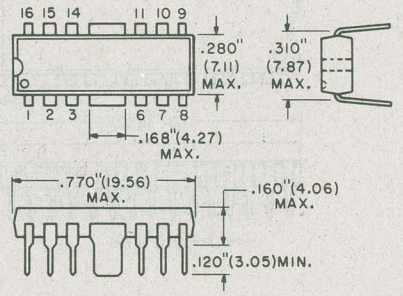


Fig. L137 — 8-Pin DIP-ET

ECG
1140
1141
1251

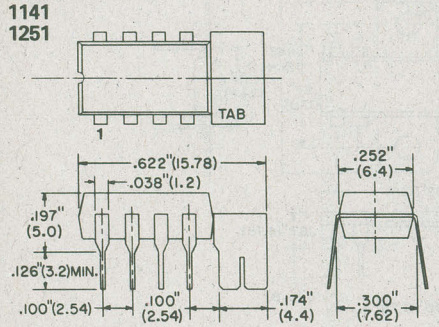


Fig. L138 — 8-Pin DIP-ET

ECG
1516

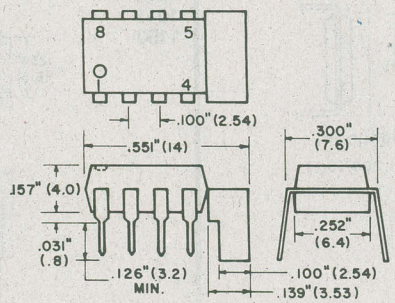


Fig. L139 — 14-Pin DIP-ET

ECG
717

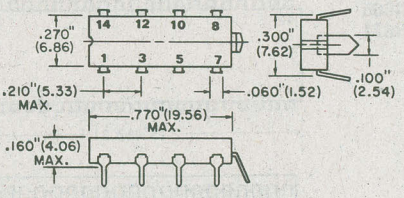


Fig. L140 — 14-Pin DIP-ET

ECG
1439

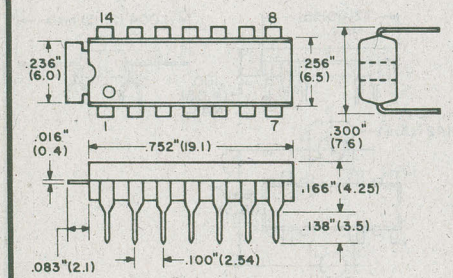


Fig. L141 — 14-Pin DIP-ET

ECG
1303
1313

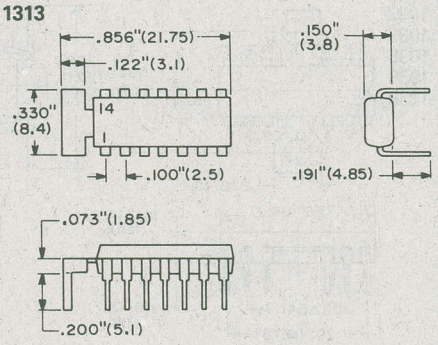


Fig. L142 — 14-Pin DIP-ET

ECG
1310

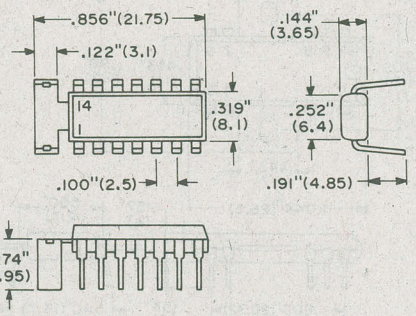
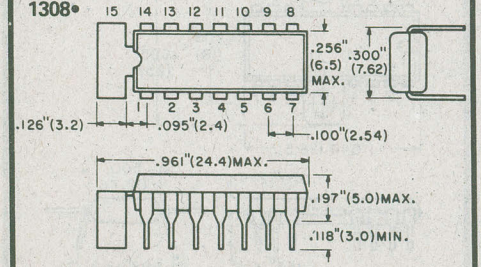


Fig. L143 — 14-Pin DIP-ET

ECG
1095
1096
1097
1126
1308•



• Alt. Fig. L105

Fig. L144 — 14-Pin DIP-ET

ECG
1180 1463 1472 1481 1512
1228 1470 1477 1511 1531

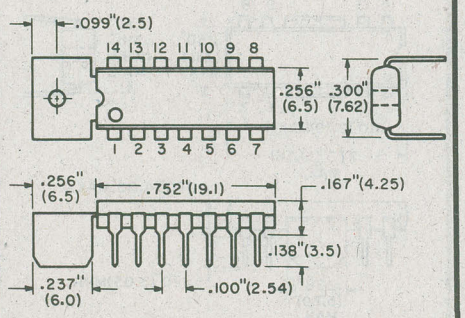
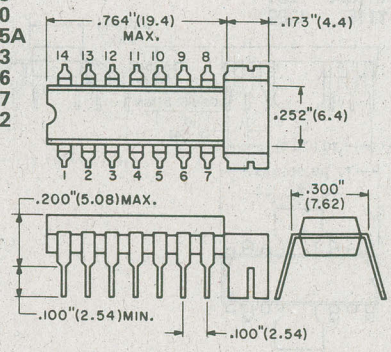


Fig. L145 — 14-Pin DIP-ET

ECG
1048
1050
1075A
1093
1246
1257
1522



IC and Module Outlines (cont'd)

Fig. L146 — 14-Pin DIP-ET

ECG
1530

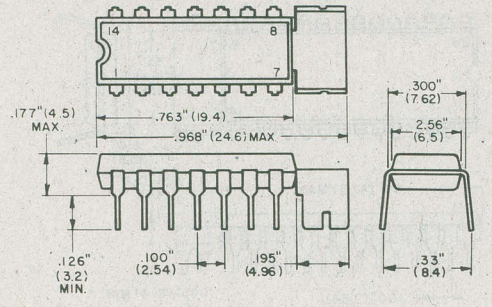


Fig. L147 — 14-Pin DIP-ET

ECG
1381

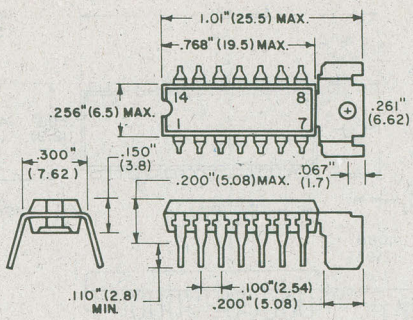


Fig. L148 — 14-Pin DIP-ET

ECG
1258

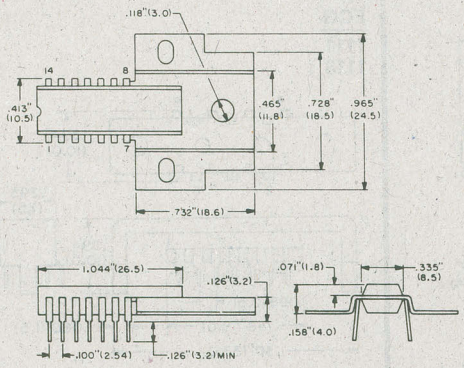


Fig. L149 — 16-Pin DIP-ET

ECG
1110

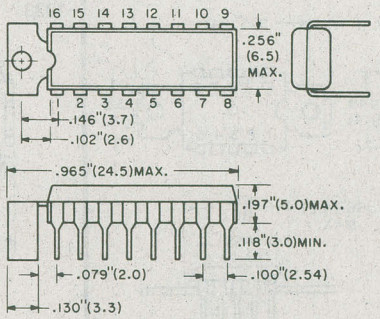


Fig. L150 — 16-Pin DIP-ET

ECG
1156

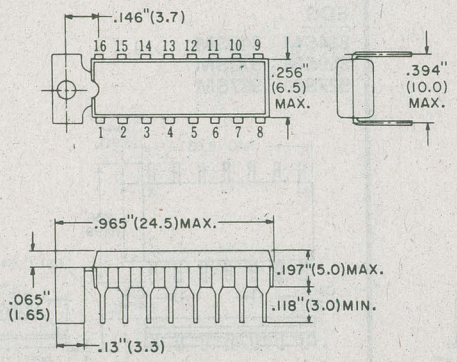


Fig. L150A — 16-Pin DIP-ET

ECG
1661

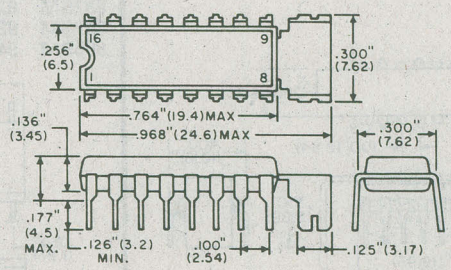


Fig. L151 — 16-Pin DIP-ET

ECG
1404
1500
1501
1551
1663

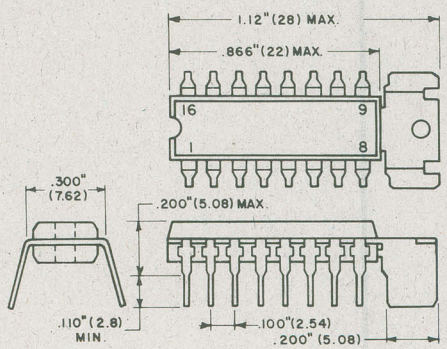
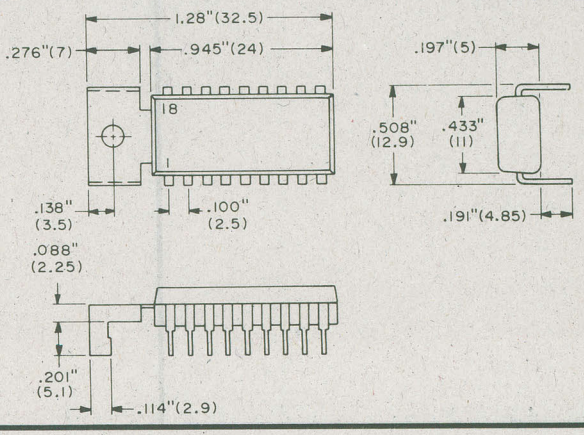


Fig. L152 — 18-Pin DIP-ET

ECG
1311
1584
1599



N

IC and Module Outlines (cont'd)

Fig. L153 — 24-Pin DIP-ET

ECG

1304 1590
1305 1592
1306 1594
1307 1596
1582 1598
1586 1601
1588 1605

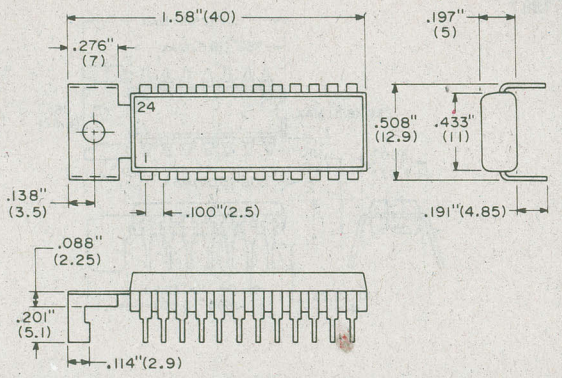


Fig. L154 — 28-Pin DIP-HS

ECG

1422
1622

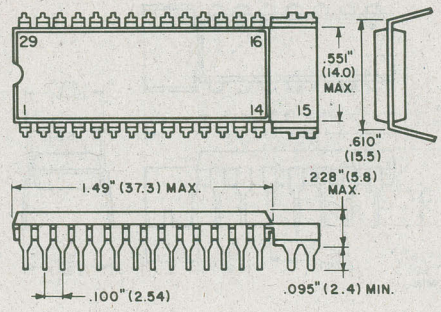


Fig. L155 — 10-Pin DIP-HS

ECG

1029
1037

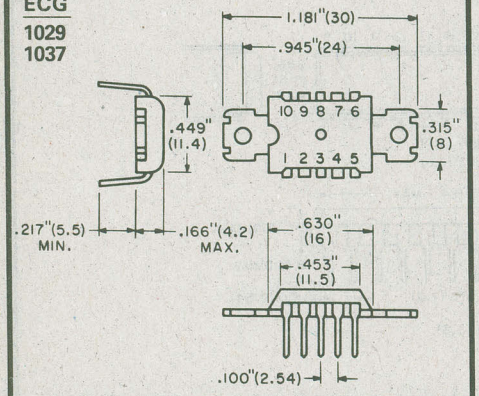


Fig. L156 — 10-Pin DIP-HS

ECG

1038

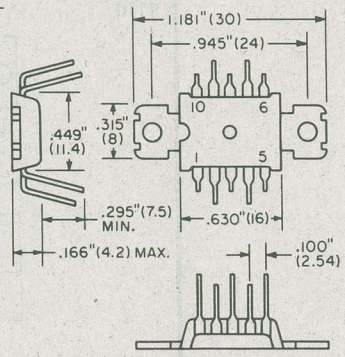


Fig. L157 — 14-Pin DIP-Q-HS

ECG

1111
1118

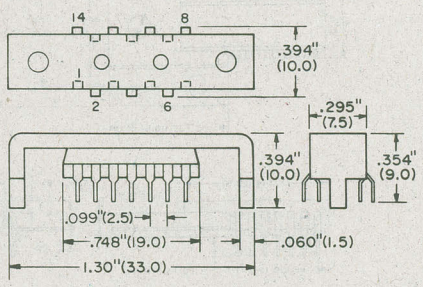


Fig. L158 — 16-Pin DIP-HS

ECG

1175

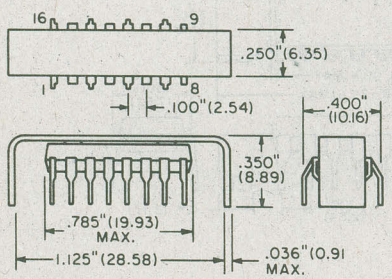
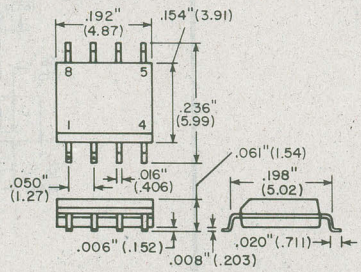


Fig. L159 — 8-Pin SOIC

ECG

778SM 918SM 943SM
832SM 922SM 955SM
857SM 928SM 975SM
858SM 941SM

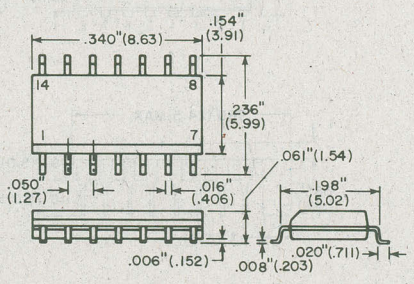


Note: Pin 1 on beveled edge

Fig. L160 — 14-Pin SOIC

ECG

834SM 948SM
859SM 978SM
927SM 987SM



Note: Pin 1 on beveled edge

Digital Integrated Circuits

CMOS Selector Guide

ECG No.	Description
● Analog Switches and Analog Multiplexers/ Demultiplexers	
ECG4016B	Quad Bilateral Switch
ECG4051B	Single 8-Channel Multiplexer
ECG4052B	Differential Dual 4-Channel Multiplexer
ECG4053B	Triple 2-Channel Analog Multiplexer/Demultiplexer
ECG4066B	Quad Bilateral Switch
ECG4067B	16-Channel Multiplexer/Demultiplexer
ECG4097B	Differential 8-Channel Multiplexer/Demultiplexer
ECG4529B	Single 8-Channel or Dual 4-Channel Analog Data Selector
ECG4539B	Dual 4-Channel Data Selector/Multiplexer
ECG4551B	Quad 2-Input Analog Multiplexer/Demultiplexer
● Arithmetic Functions/Digital Comparators	
ECG74C85	4-Bit Magnitude Comparator
ECG4008B	4-Bit Full Adder
ECG4032B	Triple Serial Adder (Positive Logic)
ECG4038B	Triple Serial Adder (Negative Logic)
ECG4063B	4-Bit Magnitude Comparator
ECG4585B	4-Bit Magnitude Comparator
ECG40085B	4-Bit Magnitude Comparator
● Buffers	
Inverters and Inverting Buffers	
ECG74C04	Hex Inverter
ECG74C901	Hex Inverting CMOS to TTL Interface Buffer
ECG74C903	Hex Inverting PMOS to CMOS/TTL Interface Buffer
ECG4049	Hex Buffer/Converter (Inverting)
ECG4069	Hex Inverter
ECG4502B	Strobed Hex Inverter/Buffer (3-State Output)
ECG40098B	Hex 3-State Inverting Buffer
Non-Inverting Buffers	
ECG74C902	Hex Non-Inverting CMOS to TTL Interface Buffer
ECG74C904	Hex Non-Inverting PMOS to CMOS/TTL Interface Buffer
ECG4050B	Hex Buffer/Converter
ECG40097B	Hex 3-State Non-Inverting Buffer
● Counters	
Binary	
ECG74C93	4-Bit Binary Counter
ECG74C161	Binary Counter with Asynchronous Clear
ECG74C193	Synchronous 4-Bit Up/Down Binary Counter
ECG4020B	14-Stage Binary/Ripple Counter
ECG4024B	7-Stage Binary Counter
ECG4029B	Presettable Up/Down Counter
ECG4040B	12-Stage Binary/Ripple Counter
ECG4045B	21-Stage Counter
ECG4060B	14-Stage Ripple/Carry Binary Counter/Divider and Oscillator
ECG4516B	Presettable Binary Up/Down Counter
ECG4520B	Dual Binary Up Counter
ECG4526B	Programmable Divide-By-"N", 4-Bit Binary Counter
ECG40161B	4-Bit Binary Asynchronous Reset Counter
ECG40163B	4-Bit Binary Synchronous Reset Counter
ECG40193B	4-Bit Up/Down Synchronous Binary Counter
Decade	
ECG74C90	4-Bit Decade Counter
ECG74C192	Synchronous 4-Bit Up/Down Decade Counter
ECG4017B	Decade Counter/Divider
ECG40160B	4-Bit Decade Asynchronous Reset Counter
ECG40162B	4-Bit Decade Synchronous Reset Counter
ECG40192B	Synchronous 4-Bit Up/Down Decade Counter

ECG No.	Description
Other	
ECG74C925	4-Digit Counter with Multiplexed 7-Segment Output Driver
ECG4018B	Presettable Divide-By-"N" Counter
ECG4022B	Counter/Divider
ECG4089B	Binary Rate Multiplier
ECG4510B	Presettable BCD Up/Down Counter
ECG4518B	Dual BCD Up Counter
ECG4522B	BCD-Programmable Divide-By-"N", 4-Bit Counter
ECG4527B	BCD Multiplier
ECG4553B	3-Digit BCD Counter
ECG4568B	Phase Comparator and Programmable Counter
ECG4569B	Programmable Divide-By-"N" Dual 4-Bit BCD/Binary Counter
● Decoders	
Decoders/Display Drivers	
ECG4026B	Decade Counter/Divider/Decoder for 7-Segment Display
ECG4033B	HV Counter/Divider, Decoded 7-Segment Display Output
ECG4055B	BCD-to-7-Segment Decoder/Driver
ECG4056B	BCD-to-7-Segment Decoder/Driver with Strobed Latch
ECG4511B	BCD-to-7-Segment Latch Decoder/Driver
ECG4513B	BCD-to-7-Segment Latch/Decoder/Driver with Ripple Blanking
ECG4543B	BCD-7-Segment Latch/Decoder/Driver for LCD
ECG4547B	BCD-7-Segment Latch/Decoder/Driver, Hi Current
Decoders/Multiplexers/Demultiplexers	
ECG74C42	BCD-to-Decimal Decoder
ECG74C48	BCD-to-7-Segment Decoder
ECG74C151	8-Channel Digital Multiplexer
ECG74C154	4-Line-to-16-Line Decoder/Demultiplexer
ECG74C157	Quad 2-Input Multiplexer
ECG4028B	BCD-to-Decimal Decoder
ECG4512B	8-Input Multiplexer (3-State Output)
ECG4514B	4-Bit Latch/4-to-16-Line Decoder
ECG4515B	4-Bit Latch/4-to-16-Line Decoder
ECG4555B	Dual Binary to 1-of-4 Decoder/Demultiplexer (High-On-Select)
ECG4556B	Dual Binary to 1-of-4 Decoder/Demultiplexer (Low-On-Select)
ECG4558B	BCD-to-7-Segment Decoder
● Flip-Flops	
ECG74C73	Dual J-K Flip-Flop with Clear
ECG74C74	Dual "D" Flip-Flop
ECG74C76	Dual J-K Flip-Flop with Clear and Preset
ECG74C107	Dual J-K Flip-Flop with Clear
ECG74C173	Quad "D" Flip-Flop
ECG74C174	Hex "D" Flip-Flop
ECG74C175	Quad "D" Flip-Flop
ECG74C374	Octal "D" Flip-Flop with Common Enable, 3-State Output
ECG4013B	Dual "D" Flip-Flop with Set/Reset
ECG4027B	Dual J-K M/S Flip-Flop
ECG4095B	Gated J-K Flip-Flop with Non-Inverting J and K Inputs
ECG4096B	Gated J-K Flip-Flop with Inverting and Non-Inverting J and K Inputs
ECG40174B	Hex "D" Flip-Flop
ECG40175B	Quad "D" Flip-Flop

CMOS Selector Guide (cont'd)

ECG No.	Description

● Gates

AND

ECG74C08	Quad 2-Input AND Gate
ECG4073B	Triple 3-Input AND Gate
ECG4081B	Quad 2-Input AND Gate
ECG4082B	Dual 4-Input AND Gate

NAND

ECG74C00	Quad 2-Input NAND Gate
ECG74C10	Triple 3-Input NAND Gate
ECG74C20	Dual 4-Input NAND Gate
ECG74C30	8-Input NAND Gate
ECG4011B	Quad 2-Input NAND Gate
ECG4012B	Dual 4-Input NAND Gate
ECG4023B	Triple 3-Input NAND Gate
ECG4068B	8-Input NAND Gate

NOR

ECG74C02	Quad 2-Input NOR Gate
ECG4000	Dual 3-Input NOR Gate
ECG4001B	Quad 2-Input NOR Gate
ECG4002B	Dual 4-Input NOR Gate
ECG4025B	Triple 3-Input NOR Gate
ECG4078B	8-Input NOR Gate

Exclusive OR

ECG4030B	Quad 2-Input Exclusive OR Gate
ECG4070B	Quad 2-Input Exclusive OR Gate

OR

ECG74C32	Quad 2-Input OR Gate
ECG4071B	Quad 2-Input OR Gate
ECG4072B	Dual 4-Input OR Gate
ECG4075B	Triple 3-Input OR Gate

● Keyboard Encoders

ECG74C922	16-Key Keyboard Encoder with 3-State Output
ECG74C923	20-Key Keyboard Encoder with 3-State Output

● Line Drivers and Line Receivers

ECG74C240	Octal Buffer/Line Driver with Inverting 3-State Outputs
ECG74C244	Octal Buffer/Line Driver with Non-Inverting 3-State Outputs

● Multivibrators/One Shots/PLLs

ECG74C221	Dual Monostable Multivibrator
ECG4046B	Phase Locked Loop
ECG4047B	Monostable/Astable Multivibrator
ECG4098B	Dual Monostable Multivibrator
ECG4521B	24-Stage Frequency Divider
ECG4528B	Dual Monostable Multivibrator
ECG4536B	Programmable Timer
ECG4541B	Programmable Oscillator/Timer
ECG4566B	Industrial Time Base Generator

ECG No.	Description

● Registers

Latches and Registers

ECG74C373	Octal "D" Transparent Latch, 3-State Output
ECG4042B	Quad-Clocked "D" Latch
ECG4043B	Quad 3-State R/S Latch (NOR)
ECG4044B	Quad 3-State R/S Latch (NAND)
ECG4076B	4-Bit "D" Type Register (3-State Output)
ECG4099B	8-Bit Addressable Latch
ECG4508B	Dual 4-Bit Latch
ECG4597B	8-Bit Bus Compatible 3-State Latch with Internal Counter
ECG4598B	8-Bit Bus Compatible 3-State Latch with Binary Address Decoder

Shift

ECG74C95	4-Bit Right-Shift Left-Shift Register
ECG74C164	8-Bit Parallel-Out Serial Shift Register
ECG4006B	18-Stage Static Shift Register
ECG4014B	8-Stage Static Shift Register
ECG4015B	Dual 4-Stage Static-Shift Register
ECG4021B	8-Stage Serial to Parallel Shift Register
ECG4031B	64-Stage Static Shift Register
ECG4034B	8-Stage Static Bidirectional Parallel/Serial Input/Output Bus Register
ECG4035B	4-Stage Parallel In/Parallel Out Shift Register
ECG4094B	8-Stage Shift and Store Register (3-State Output)
ECG4517B	Dual 64-Bit Static Shift Register
ECG4562B	128-Bit Static Shift Register
ECG40100B	32-Stage Static Left/Right Shift Register
ECG40194B	4-Bit Right/Left Shift Register
ECG40195B	4-Bit Shift Register

● Schmitt Triggers

ECG74C14	Hex Schmitt Trigger
ECG4093B	Quad 2-Input NAND Schmitt Trigger
ECG4583B	Dual Schmitt Trigger
ECG40106B	Hex Schmitt Trigger

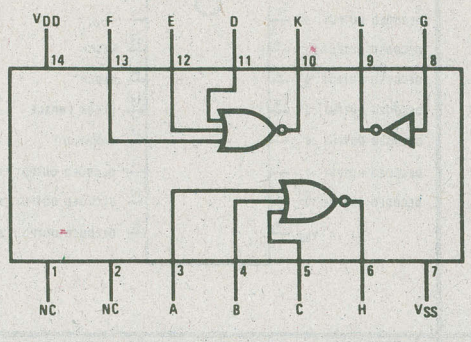
● Special Functions

ECG4007	Dual Complementary Pair with Inverter
ECG4019B	Quad AND/OR Select Gate
ECG4041	HV Quad True/Complement Buffer
ECG4048B	HV Multifunction Expandable 8-Input Gate (3-State Output)
ECG4077B	Quad Exclusive NOR Gate
ECG4085B	Dual 2-Wide 2-Input AND/OR Gate
ECG4086B	Expandable 4-Wide 2-Input AND/OR Invert Gate
ECG4501	Dual 4-Input NAND, 2-Input OR/NOR, 8-Input AND/NAND Multifunction Gate
ECG4506	Dual Expandable AND/OR/Invert Gate
ECG4531B	12-Bit Parity Tree
ECG4532B	8-Bit Priority Encoder
ECG4582B	Look-Ahead Carry Block (Use ECG40182B for Replacement)
ECG40182B	Look-Ahead Carry Generator

CMOS (74C and 80C Series CMOS included with TTL starting on Page 1-342)

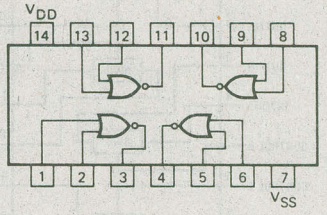
ECG4000 14-Pin DIP See Fig. D6

Dual 3-Input NOR Gate Plus Inverter, V_{DD} = 3 V to 15 V



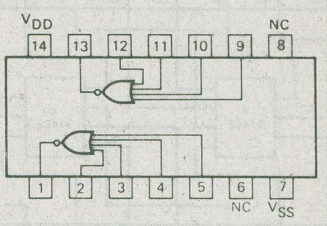
ECG4001B 14-Pin DIP See Fig. D6

Quad 2-Input NOR Gate, V_{DD} = 3 V to 15 V



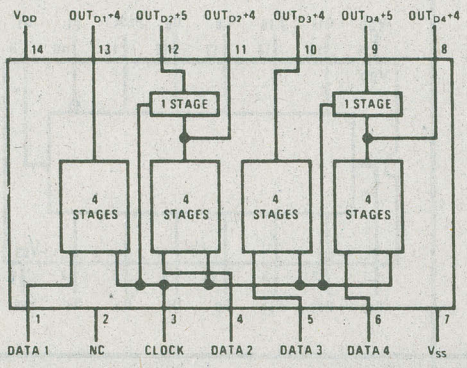
ECG4002B 14-Pin DIP See Fig. D6

Dual 4-Input NOR Gate, V_{DD} = 3 V to 15 V



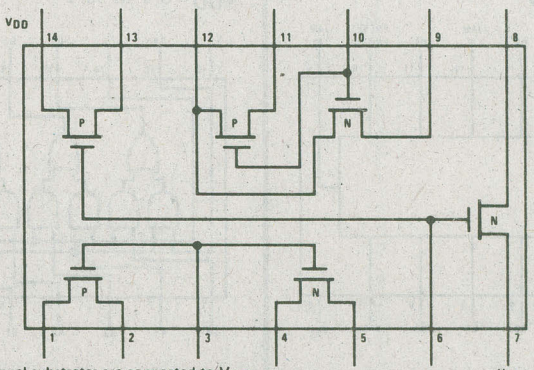
ECG4006B 14-Pin DIP See Fig. D6

18-Stage Static Shift Register, V_{DD} = 3 V to 15 V



ECG4007 14-Pin DIP See Fig. D6

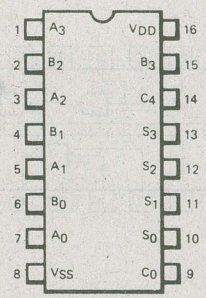
Dual Complementary Pair with Inverter, V_{DD} = 3 V to 15 V



Note: All P-channel substrates are connected to V_{DD} and all N-channel substrates are connected to V_{SS}.

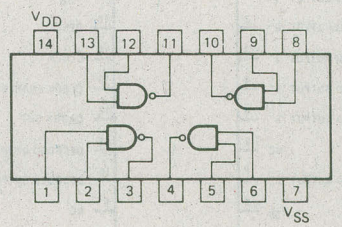
ECG4008B 16-Pin DIP See Fig. D8

4-Bit Full Adder, V_{DD} = 3 V to 15 V



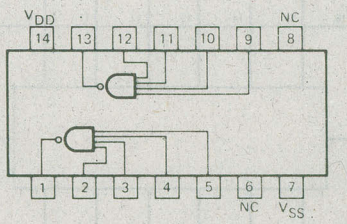
ECG4011B 14-Pin DIP See Fig. D6

Quad 2-Input NAND Gate, V_{DD} = 3 V to 15 V



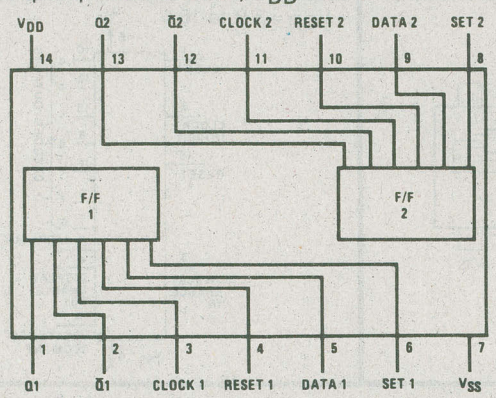
ECG4012B 14-Pin DIP See Fig. D6

Dual 4-Input NAND Gate, V_{DD} = 3 V to 15 V



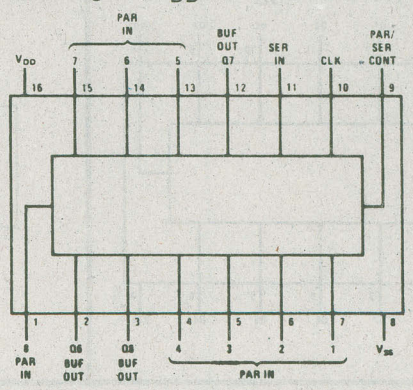
ECG4013B 14-Pin DIP See Fig. D6

Dual "D" Flip-Flop with Set/Reset, V_{DD} = 3 V to 15 V



ECG4014B 16-Pin DIP See Fig. D8

8-Stage Static Shift Register, V_{DD} = 3 V to 15 V

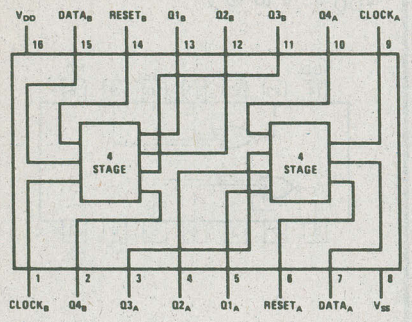


Package Outlines - See Page 1-379

CMOS (cont'd)

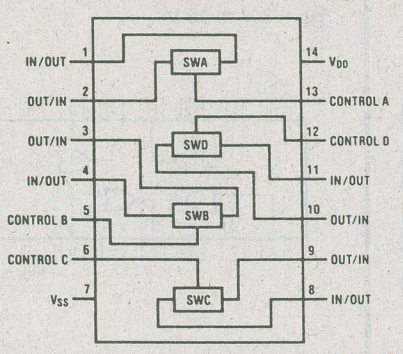
ECG4015B 16-Pin DIP See Fig. D8

Dual 4-Stage Static Shift Register, V_{DD} = 3 V to 15 V



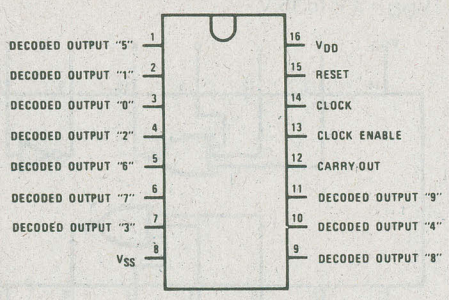
ECG4016B 14-Pin DIP See Fig. D6

Quad Bilateral Switch, V_{DD} = 3 V to 15 V



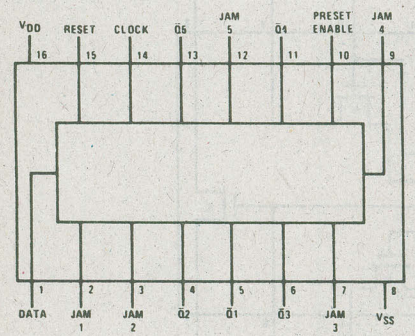
ECG4017B 16-Pin DIP See Fig. D8

Decade Counter/Divider, V_{DD} = 3 V to 15 V



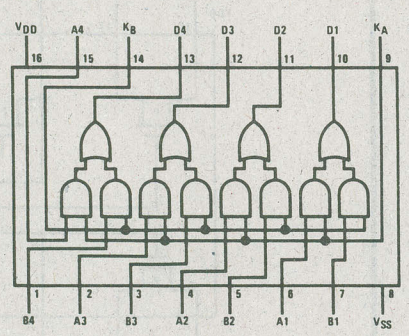
ECG4018B 16-Pin DIP See Fig. D8

Presettable Divide-by-"N" Counter, V_{DD} = 3 V to 15 V



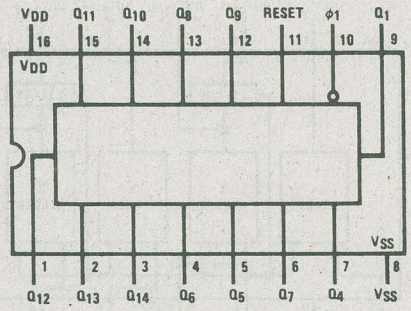
ECG4019B 16-Pin DIP See Fig. D8

Quad AND/OR Select Gate, V_{DD} = 3 V to 15 V



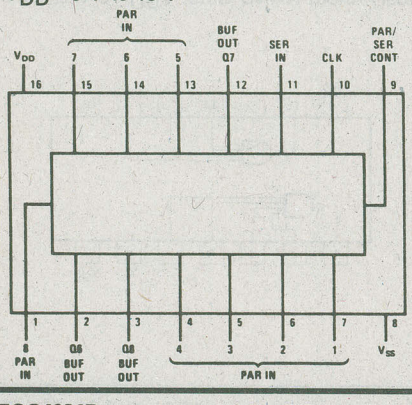
ECG4020B 16-Pin DIP See Fig. D8

14-Stage Binary/Ripple Counter, V_{DD} = 3 V to 15 V



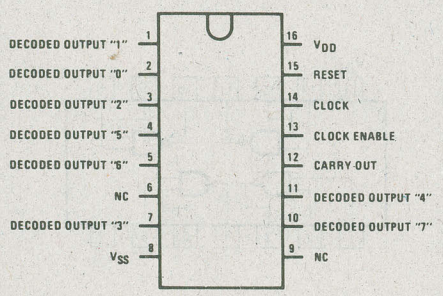
ECG4021B 16-Pin DIP See Fig. D8

8-Stage Serial to Parallel Shift Register, V_{DD} = 3 V to 15 V



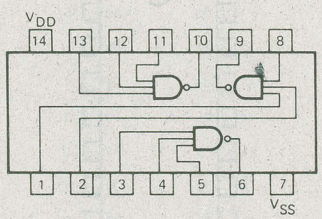
ECG4022B 16-Pin DIP See Fig. D8

Counter/Divider, V_{DD} = 3 V to 15 V



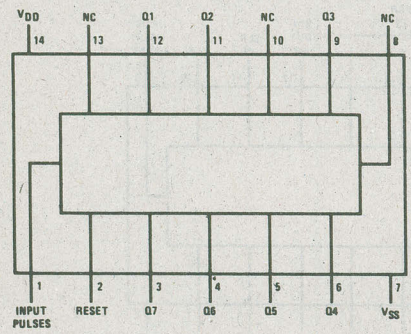
ECG4023B 14-Pin DIP See Fig. D6

Triple 3-Input NAND Gate, V_{DD} = 3 V to 15 V



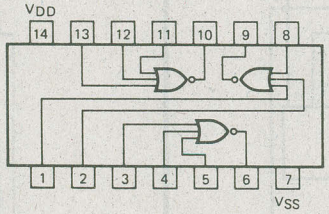
ECG4024B 14-Pin DIP See Fig. D6

7-Stage Binary Counter, V_{DD} = 3 V to 15 V



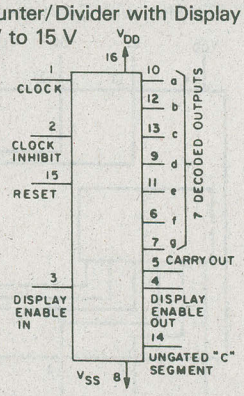
ECG4025B 14-Pin DIP See Fig. D6

Triple 3-Input NOR Gate, V_{DD} = 3 V to 15 V



ECG4026B 16-Pin DIP See Fig. D8

Decade Counter/Divider with Display Enable, V_{DD} = 3 V to 15 V

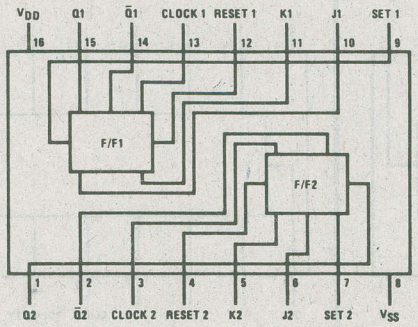


Package Outlines - See Page 1-379

CMOS (cont'd)

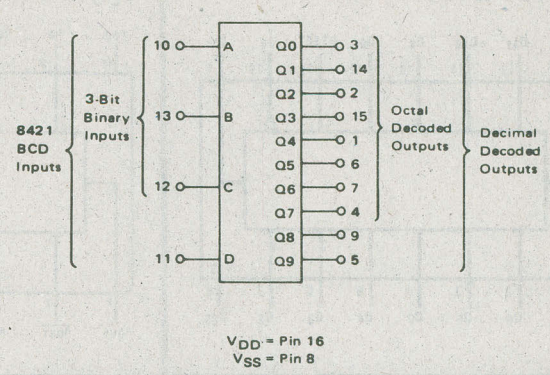
ECG4027B 16-Pin DIP See Fig. D8

Dual J-K Master-Slave Flip-Flop, V_{DD} = 3 V to 15 V



ECG4028B 16-Pin DIP See Fig. D8

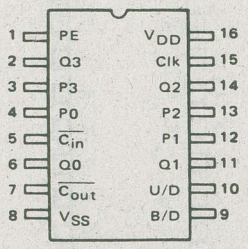
BCD-to-Decimal Decoder, V_{DD} = 3 V to 15 V



V_{DD} = Pin 16
V_{SS} = Pin 8

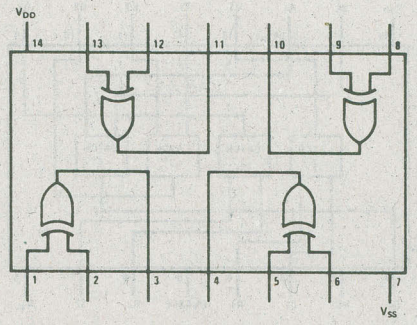
ECG4029B 16-Pin DIP See Fig. D8

Presettable Up/Down Counter, V_{DD} = 3 V to 15 V



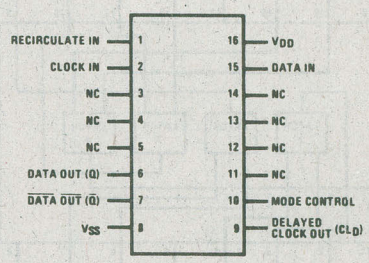
ECG4030B 14-Pin DIP See Fig. D6

Quad Exclusive OR Gate, V_{DD} = 3 V to 15 V



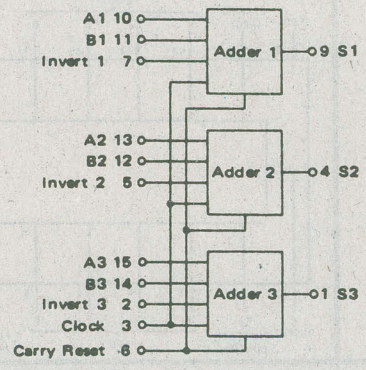
ECG4031B 16-Pin DIP See Fig. D8

64-Stage Static Shift Register, V_{DD} = 3 V to 15 V



ECG4032B—Positive Logic
ECG4038B—Negative Logic
16-Pin DIP See Fig. D8

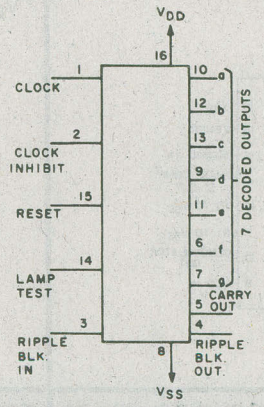
Triple Serial Adders, V_{DD} = 3 V to 15 V



V_{DD} = Pin 16
V_{SS} = Pin 8

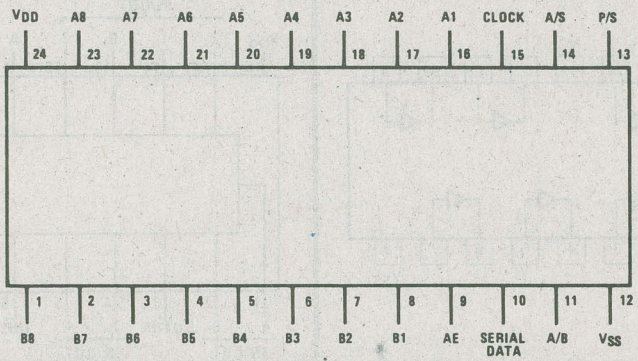
ECG4033B 16-Pin DIP See Fig. D8

Decade Counter/Divider, V_{DD} = 3 V to 15 V



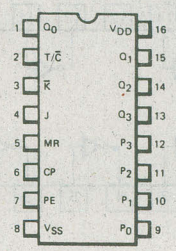
ECG4034B 24-Pin DIP See Fig. D14

8-Stage Static Bi-Directional Parallel/Serial Input/Output Bus Register, V_{DD} = 3 V to 15 V



ECG4035B 16-Pin DIP See Fig. D8

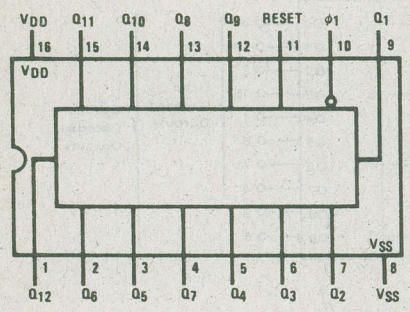
4-Stage Parallel In/Parallel Out Shift Register, V_{DD} = 3 V to 15 V



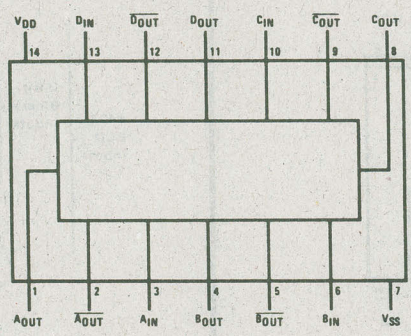
Package Outlines - See Page 1-379

CMOS (cont'd)

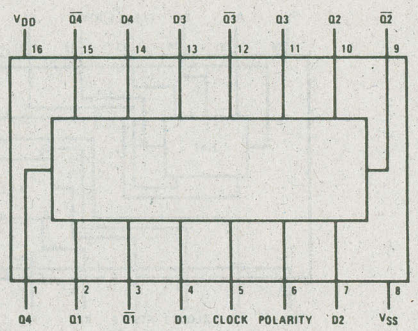
ECG4040B 16-Pin DIP See Fig. D8
12-Stage Binary/Ripple Counter,
V_{DD} = 3 V to 15 V



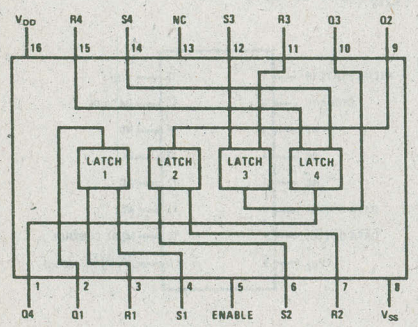
ECG4041 14-Pin DIP See Fig. D6
Quad True/Complement Buffer,
V_{DD} = 3 V to 15 V



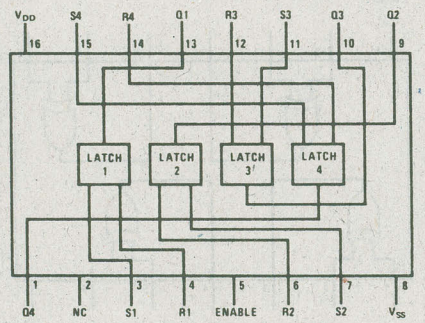
ECG4042B 16-Pin DIP See Fig. D8
Quad-Clocked "D" Latch,
V_{DD} = 3 V to 15 V



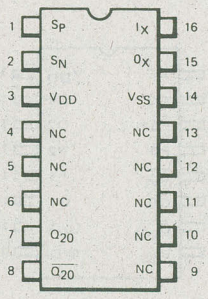
ECG4043B 16-Pin DIP See Fig. D8
Quad 3-State NOR R/S Latch,
V_{DD} = 3 V to 15 V



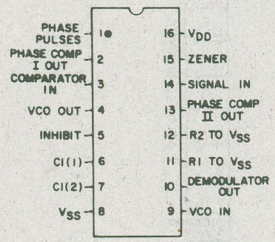
ECG4044B 16-Pin DIP See Fig. D8
Quad 3-State NAND R/S Latch,
V_{DD} = 3 V to 15 V



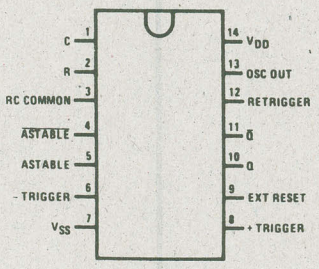
ECG4045B 16-Pin DIP See Fig. D8
21-Stage Counter, V_{DD} = 3 V to 15 V



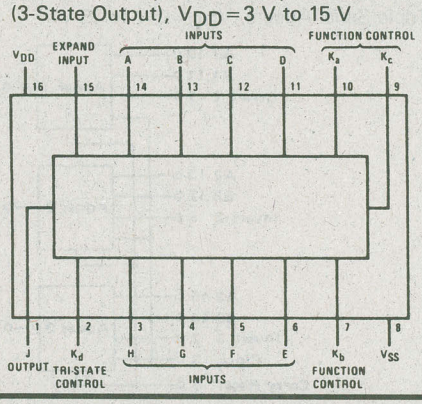
ECG4046B 16-Pin DIP See Fig. D8
CMOS-Phase Locked Loop,
V_{DD} = 3 V to 15 V



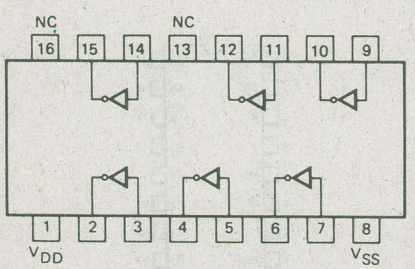
ECG4047B 14-Pin DIP See Fig. D6
Monostable/Astable Multivibrator,
V_{DD} = 3 V to 15 V



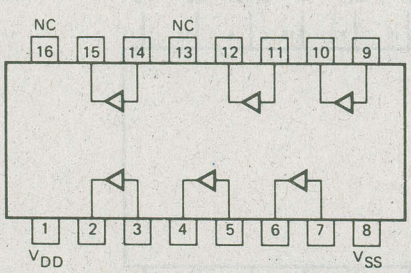
ECG4048B 16-Pin DIP See Fig. D8
Multifunction Expandable 8-Input Gate
(3-State Output), V_{DD} = 3 V to 15 V



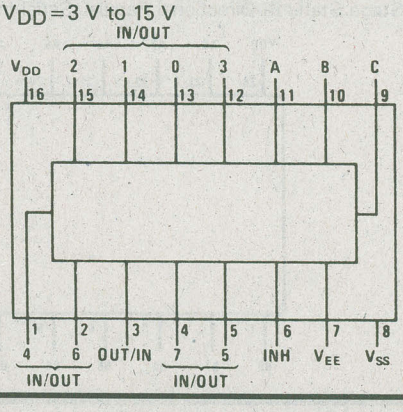
ECG4049 16-Pin DIP See Fig. D8
Hex Buffer/Converter (Inverting),
V_{DD} = 3 V to 15 V



ECG4050B 16-Pin DIP See Fig. D8
Hex Buffer/Converter (Non-Inverting),
V_{DD} = 3 V to 15 V



ECG4051B 16-Pin DIP See Fig. D8
Single 8-Channel Multiplexer,
V_{DD} = 3 V to 15 V

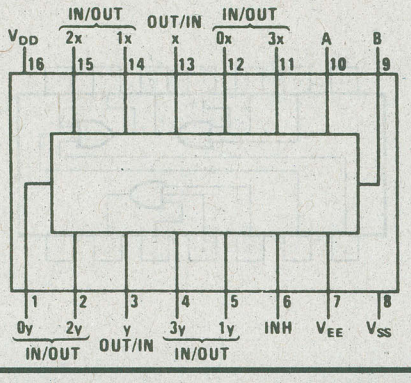


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CMOS (cont'd)

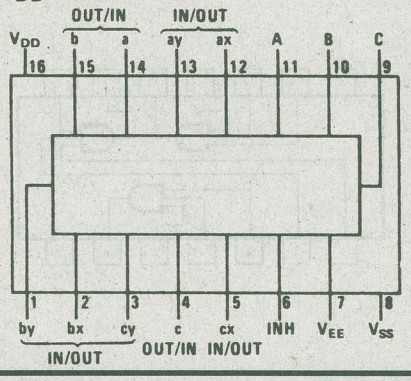
ECG4052B 16-Pin DIP See Fig. D8

Differential Dual 4-Channel Multiplexer, V_{DD} = 3 V to 15 V



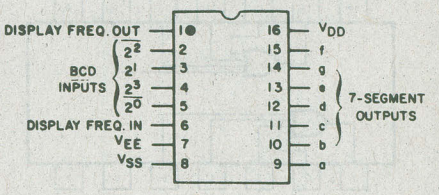
ECG4053B 16-Pin DIP See Fig. D8

Triple 2-Channel Analog Multiplexer, V_{DD} = 3 V to 15 V



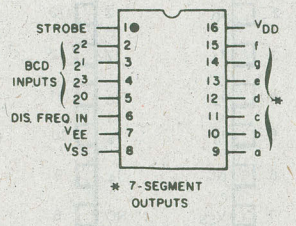
ECG4055B 16-Pin DIP See Fig. D8

BCD-to-7-Segment Decoder/Driver, V_{DD} = 3 V to 15 V



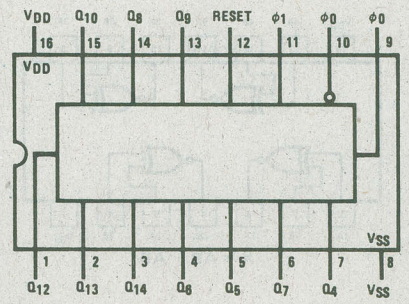
ECG4056B 16-Pin DIP See Fig. D8

BCD-to-7 Segment LCD Decoder/Driver with Strobe Latch, V_{DD} = 3 V to 15 V



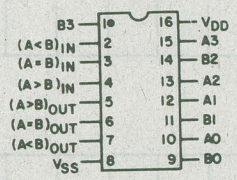
ECG4060B 16-Pin DIP See Fig. D8

14-Stage Ripple-Carry Binary Counter/ Divider and Oscillator, V_{DD} = 3 V to 15 V



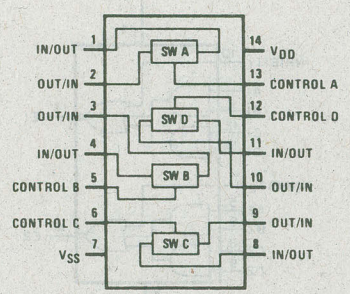
ECG4063B 16-Pin DIP See Fig. D8

4-Bit Magnitude Comparator, V_{DD} = 3 V to 15 V



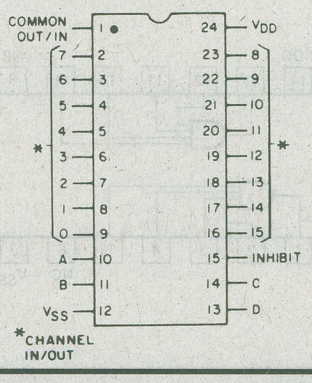
ECG4066B 14-Pin DIP See Fig. D6

Quad Bilateral Switch, V_{DD} = 3 V to 15 V



ECG4067B 24-Pin DIP See Fig. D14

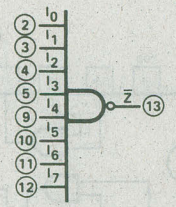
16-Channel Multiplexer/Demultiplexer, V_{DD} = 3 V to 15 V



ECG4068B 14-Pin DIP See Fig. D6

8-Input NAND Gate, V_{DD} = 3 V to 15 V

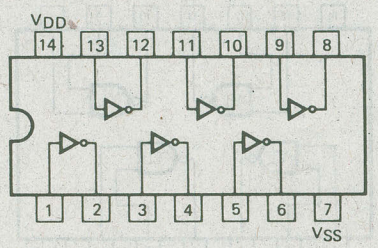
V_{DD} = Pin 14
V_{SS} = Pin 7
NC = Pins 1, 6, 8



I_0-I_7 NAND Gate Inputs
$\overline{Z}$ Output (Active LOW)

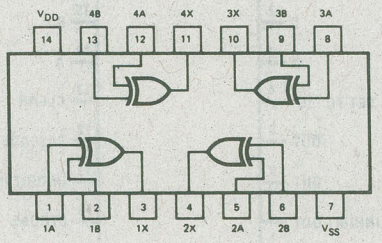
ECG4069 14-Pin DIP See Fig. D6

Hex Inverter, V_{DD} = 3 V to 15 V



ECG4070B 14-Pin DIP See Fig. D6

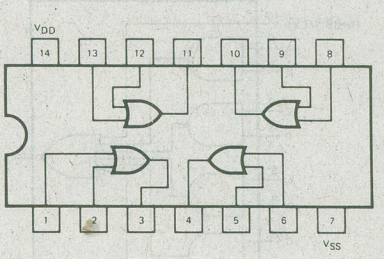
Quad Exclusive OR Gate, V_{DD} = 3 V to 15 V



$X = \overline{A}B + A\overline{B}$

ECG4071B 14-Pin DIP See Fig. D6

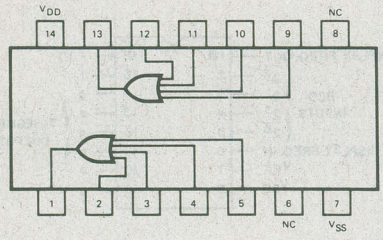
Quad 2-Input OR Gate, V_{DD} = 3 V to 15 V



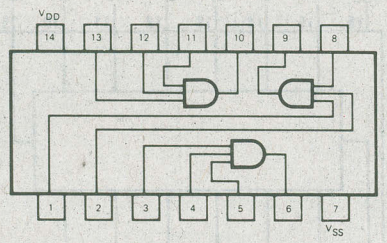
Package Outlines - See Page 1-379

CMOS (cont'd)

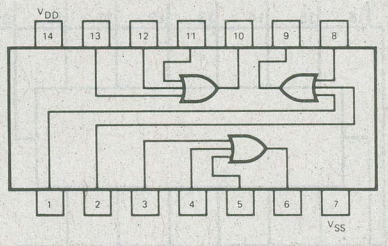
ECG4072B 14-Pin DIP See Fig. D6
Dual 4-Input OR Gate, V_{DD} = 3 V to 15 V



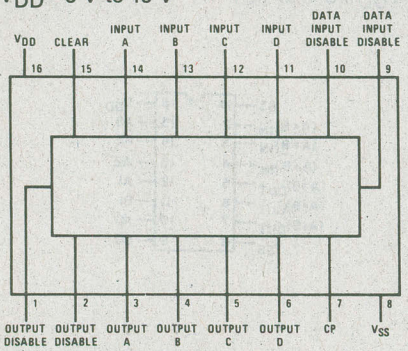
ECG4073B 14-Pin DIP See Fig. D6
Triple 3-Input AND Gate, V_{DD} = 3 V to 15 V



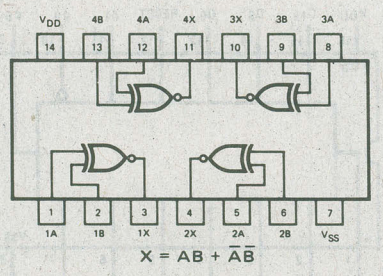
ECG4075B 14-Pin DIP See Fig. D6
Triple 3-Input OR Gate, V_{DD} = 3 V to 15 V



ECG4076B 16-Pin DIP See Fig. D8
4-Bit "D" Type Register (Tri-State Output), V_{DD} = 3 V to 15 V

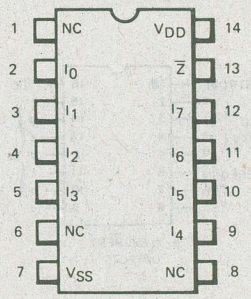


ECG4077B 14-Pin DIP See Fig. D6
Quad Exclusive NOR Gate, V_{DD} = 3 V to 15 V

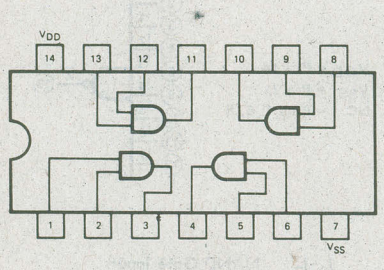


$X = AB + \overline{A}\,\overline{B}$

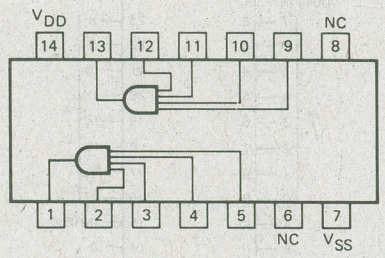
ECG4078B 14-Pin DIP See Fig. D6
8-Input NOR Gate, V_{DD} = 3 V to 15 V



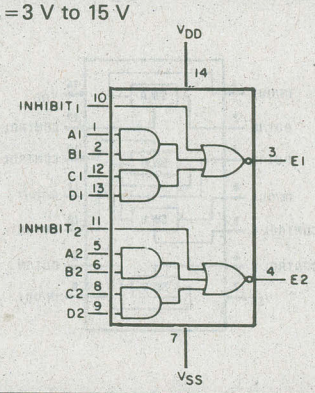
ECG4081B 14-Pin DIP See Fig. D6
Quad 2-Input AND Gate, V_{DD} = 3 V to 15 V



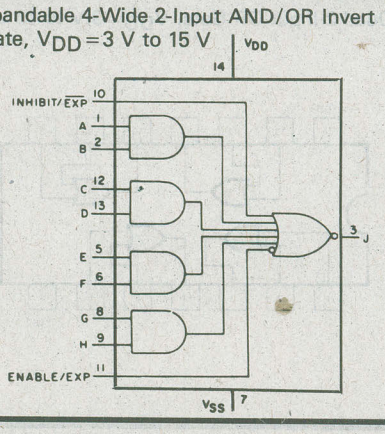
ECG4082B 14-Pin DIP See Fig. D6
Dual 4-Input AND Gate, V_{DD} = 3 V to 15 V



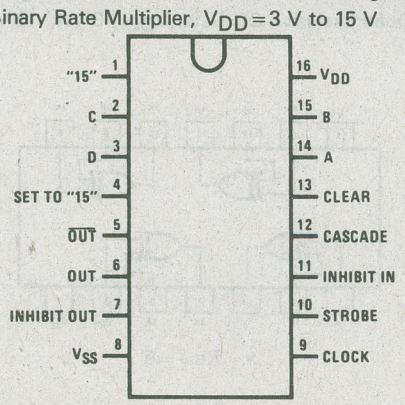
ECG4085B 14-Pin DIP See Fig. D6
Dual 2-Wide 2-Input AND/OR Invert Gate, V_{DD} = 3 V to 15 V



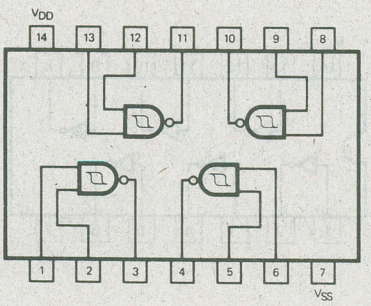
ECG4086B 14-Pin DIP See Fig. D6
Expandable 4-Wide 2-Input AND/OR Invert Gate, V_{DD} = 3 V to 15 V



ECG4089B 16-Pin DIP See Fig. D8
Binary Rate Multiplier, V_{DD} = 3 V to 15 V



ECG4093B 14-Pin DIP See Fig. D6
Quad 2-Input NAND Schmitt Trigger, V_{DD} = 3 V to 15 V

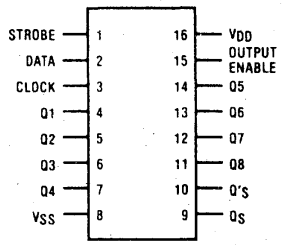


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CMOS (cont'd)

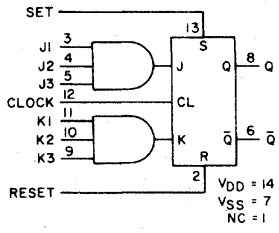
ECG4094B 16-Pin DIP See Fig. D8

8-Stage Shift and Store Bus Register (3-State Output), V_{DD} = 3 V to 15 V



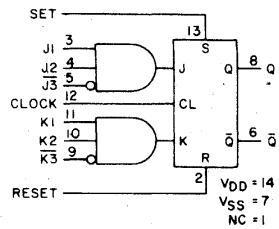
ECG4095B 14-Pin DIP See Fig. D6

J-K Flip-Flop with Non-Inverting J and K Inputs, V_{DD} = 3 V to 15 V



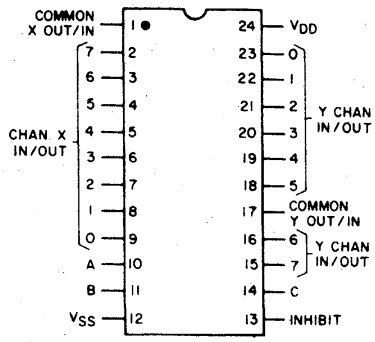
ECG4096B 14-Pin DIP See Fig. D6

J-K Flip-Flop with Inverting and Non-Inverting Inputs, V_{DD} = 3 V to 15 V



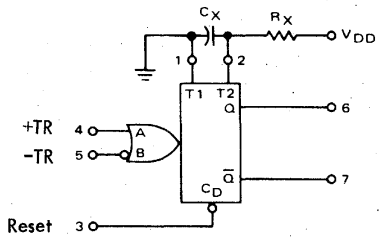
ECG4097B 24-Pin DIP See Fig. D14

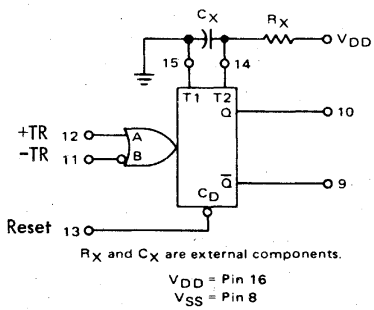
Differential 8-Channel Multiplexer/ Demultiplexer, V_{DD} = 3 V to 15 V



ECG4098B 16-Pin DIP See Fig. D8

Dual Monostable Multivibrator, V_{DD} = 3 V to 15 V



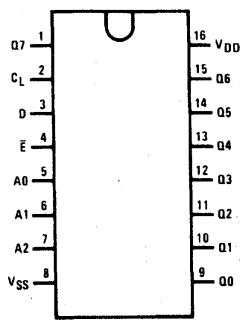


RX and CX are external components.

VDD = Pin 16
VSS = Pin 8

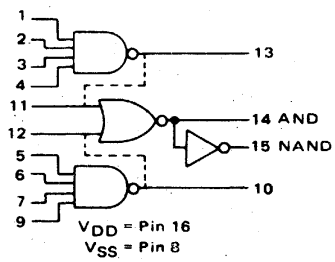
ECG4099B 16-Pin DIP See Fig. D8

8-Bit Addressable Latch, V_{DD} = 3 V to 15 V



ECG4501 16-Pin DIP See Fig. D8

Multifunction Gate, V_{DD} = 3 V to 18 V



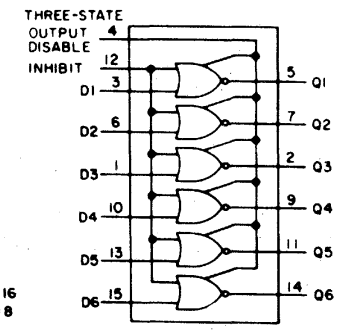
VDD = Pin 16
VSS = Pin 8

Use Dotted Connection Externally to Obtain 8-Input AND/NAND

Note: Pin 14 must not be used as an input to the inverter.

ECG4502B 16-Pin DIP See Fig. D8

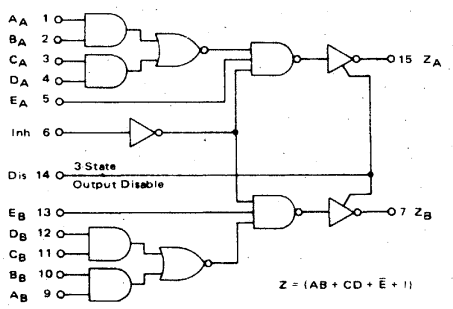
Strobed Hex Inverter/Buffer, (3-State Output), V_{DD} = 3 V to 18 V



VDD = 16
VSS = 8

ECG4506 16-Pin DIP See Fig. D8

Dual Expandable AND/OR/Invert (AOI) Gate, V_{DD} = 3 V to 18 V

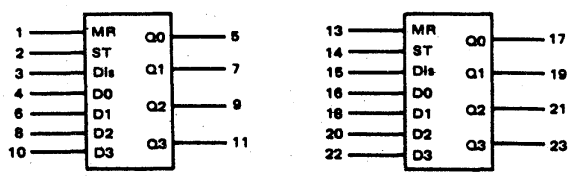


Z = (AB + CD + Ē + I)

VDD = Pin 16
VSS = Pin 8

ECG4508B 24-Pin DIP See Fig. D14

Dual 4-Bit Latch, V_{DD} = 3 V to 18 V



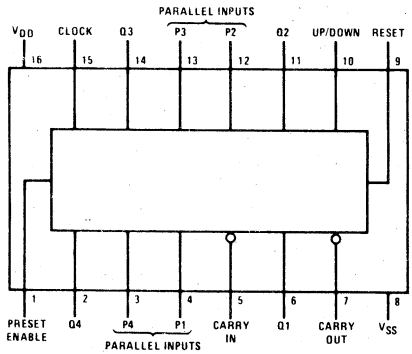
VDD = Pin 24
VSS = Pin 12

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CMOS (cont'd)

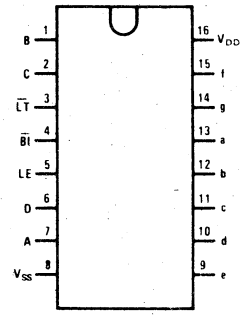
ECG4510B 16-Pin DIP See Fig. D8

Presettable BCD Up/Down Counter, V_{DD} = 3 V to 15 V



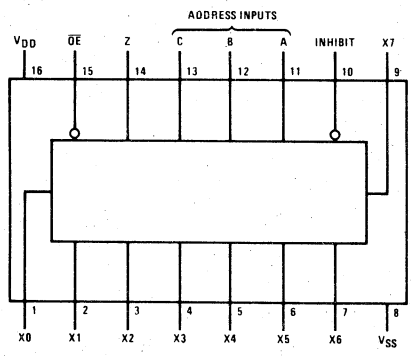
ECG4511B 16-Pin DIP See Fig. D8

BCD-to-7 Segment Latch Decoder/Driver, V_{DD} = 3 V to 15 V



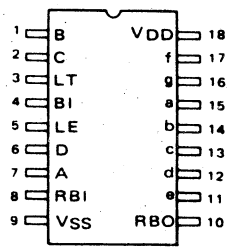
ECG4512B 16-Pin DIP See Fig. D8

8-Input Multiplexer with 3-State Outputs, V_{DD} = 3 V to 15 V



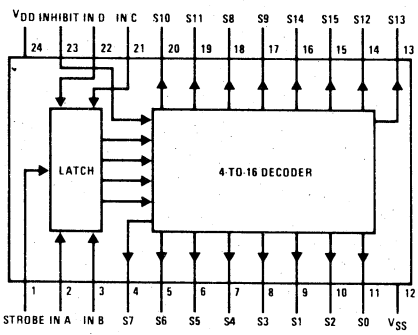
ECG4513B 18-Pin DIP See Fig. D11

BCD-to-7 Segment Latch/Decoder/Driver, V_{DD} = 3 V to 18 V



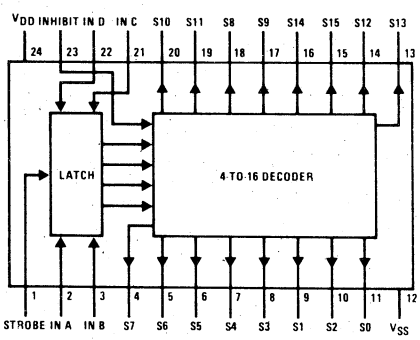
ECG4514B 24-Pin DIP See Fig. D14

4-Bit Latch/4-to-16 Line Decoder (Active High), V_{DD} = 3 V to 15 V



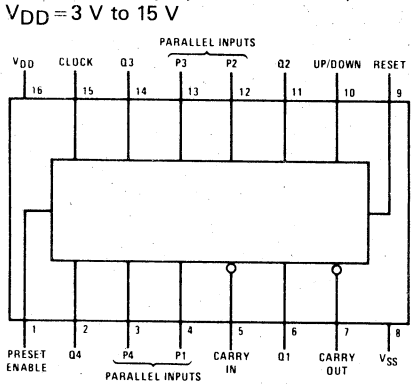
ECG4515B 24-Pin DIP See Fig. D14

4-Bit Latch/4-to-16 Line Decoder (Active Low), V_{DD} = 3 V to 15 V



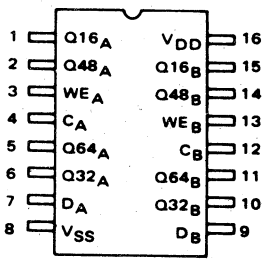
ECG4516B 16-Pin DIP See Fig. D8

Presettable Binary Up/Down Counter, V_{DD} = 3 V to 15 V



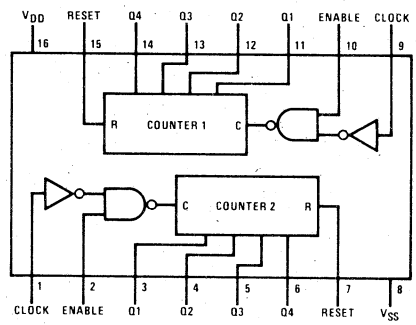
ECG4517B 16-Pin DIP See Fig. D8

Dual 64-Bit Static Shift Register, V_{DD} = 3 V to 18 V



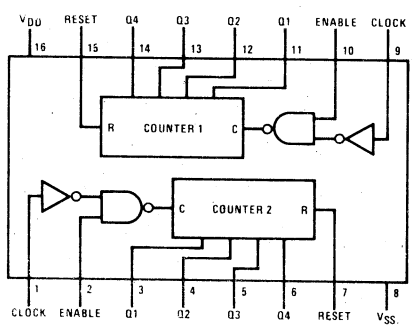
ECG4518B 16-Pin DIP See Fig. D8

Dual BCD Up Counter, V_{DD} = 3 V to 15 V



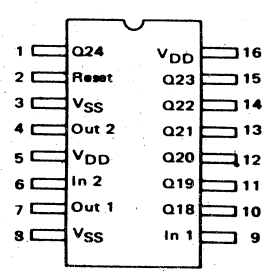
ECG4520B 16-Pin DIP See Fig. D8

Dual Binary Up Counter V_{DD} = 3 V to 15 V



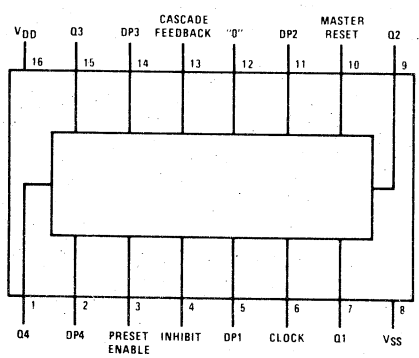
ECG4521B 16-Pin DIP See Fig. D8

24-Stage Frequency Divider, V_{DD} = 3 V to 18 V



ECG4522B 16-Pin DIP See Fig. D8

BCD-Programmable Divide-by-"N", 4-Bit Counter, V_{DD} = 3 V to 18 V

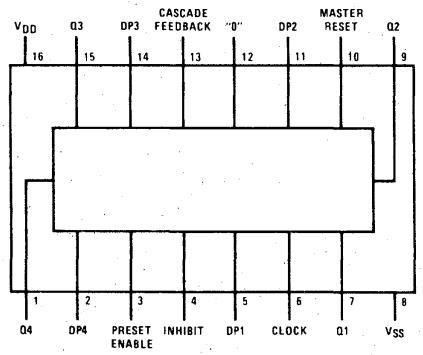


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CMOS (cont'd)

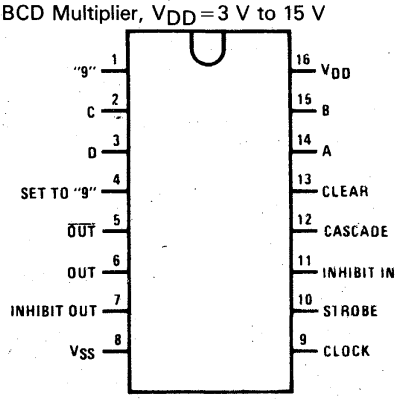
ECG4526B 16-Pin DIP See Fig. D8

Programmable Divide-by-"N", 4-Bit Counter (Binary), V_{DD} = 3 V to 18 V



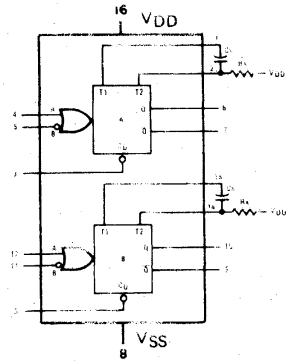
ECG4527B 16-Pin DIP See Fig. D8

BCD Multiplier, V_{DD} = 3 V to 15 V



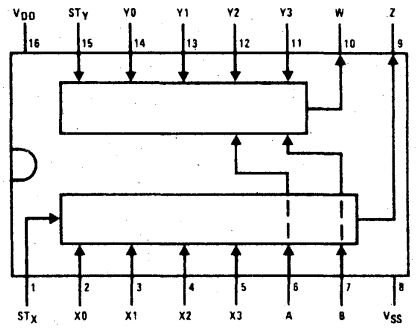
ECG4528B 16-Pin DIP See Fig. D8

Dual Retriggerable/Resettable Monostable Multivibrator, V_{DD} = 3 V to 18 V



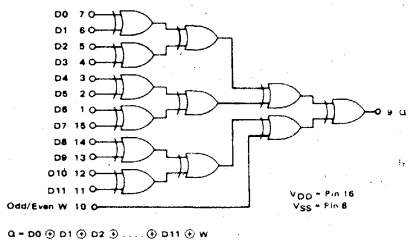
ECG4529B 16-Pin DIP See Fig. D8

Dual 4-Channel Analog Data Selector, V_{DD} = 3 V to 15 V



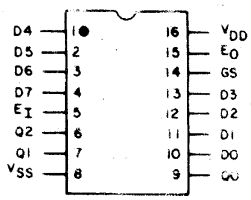
ECG4531B 16-Pin DIP See Fig. D8

12-Bit Parity Tree, V_{DD} = 3 V to 18 V



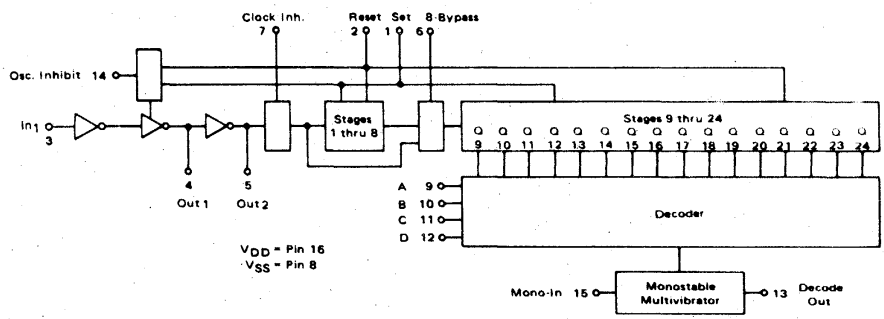
ECG4532B 16-Pin DIP See Fig. D8

8-Bit Priority Encoder V_{DD} = 3 V to 18 V



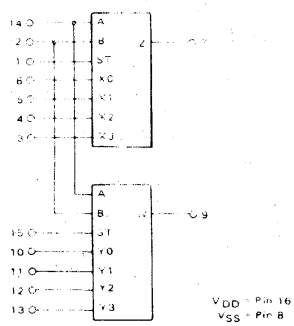
ECG4536B 16-Pin DIP See Fig. D8

Programmable Timer, V_{DD} = 3 V to 18 V



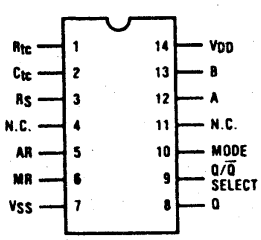
ECG4539B 16-Pin DIP See Fig. D8

Dual 4-Channel Digital Mixer, V_{DD} = 3 V to 18 V



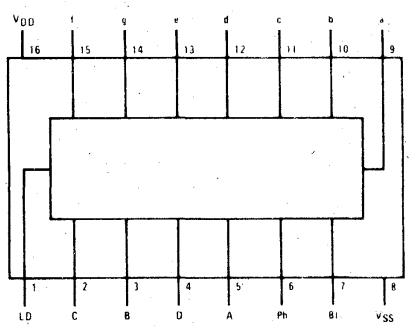
ECG4541B 14-Pin DIP See Fig. D6

Oscillator/Timer, V_{DD} = 3 V to 15 V



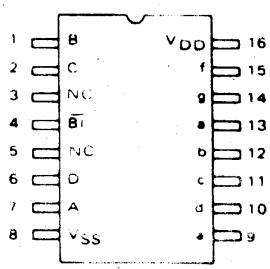
ECG4543B 16-Pin DIP See Fig. D8

BCD-to-7 Segment Latch Decoder/Driver for LCD, V_{DD} = 3 V to 18 V



ECG4547B 16-Pin DIP See Fig. D8

BCD-to-7 Segment Decoder/Latch/Driver, V_{DD} = 3 V to 18 V



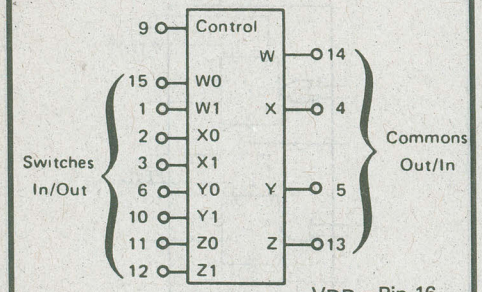
O

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CMOS (cont'd)

ECG4551B 16-Pin DIP See Fig. D8

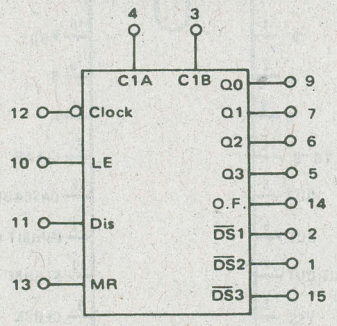
Quad Analog Multiplexer/Demultiplexer, V_{DD} = 3 V to 18 V



V_{DD} = Pin 16
V_{SS} = Pin 8

ECG4553B 16-Pin DIP See Fig. D8

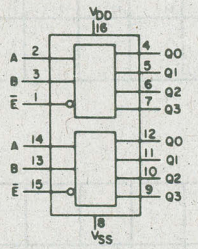
3-Digit BCD Counter, V_{DD} = 3 V to 18 V



V_{DD} = Pin 16
V_{SS} = Pin 8

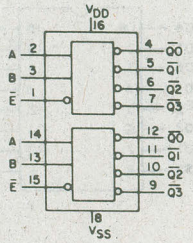
ECG4555B 16-Pin DIP See Fig. D8

Dual Binary to 1-of-4 Decoder/Demultiplexer (High-on-Select) V_{DD} = 3 V to 18 V



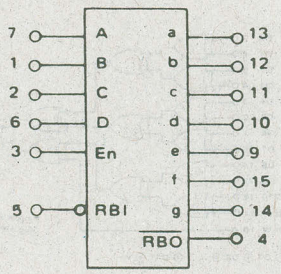
ECG4556B 16-Pin DIP See Fig. D8

Dual Binary to 1-of-4 Decoder/Demultiplexer (Low-on-Select), V_{DD} = 3 V to 18 V



ECG4558B 16-Pin DIP See Fig. D8

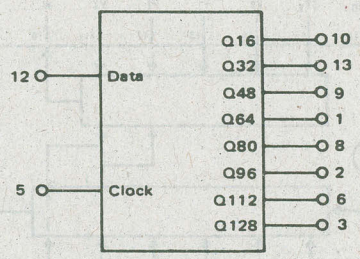
BCD-to-7 Segment Decoder, V_{DD} = 3 V to 18 V



V_{DD} = Pin 16
V_{SS} = Pin 8

ECG4562B 14-Pin DIP See Fig. D6

128-Bit Static Shift Register, V_{DD} = 3 V to 18 V

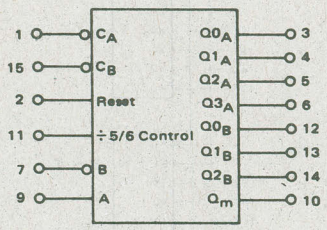


Pins 4 and 11 not used.

V_{DD} = Pin 14
V_{SS} = Pin 7

ECG4566B 16-Pin DIP See Fig. D8

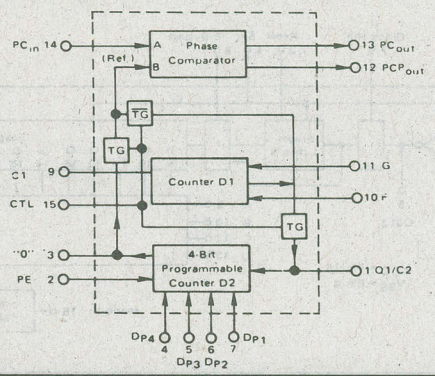
Industrial Time Base Generator, V_{DD} = 3 V to 18 V



V_{DD} = Pin 16
V_{SS} = Pin 8

ECG4568B 16-Pin DIP See Fig. D8

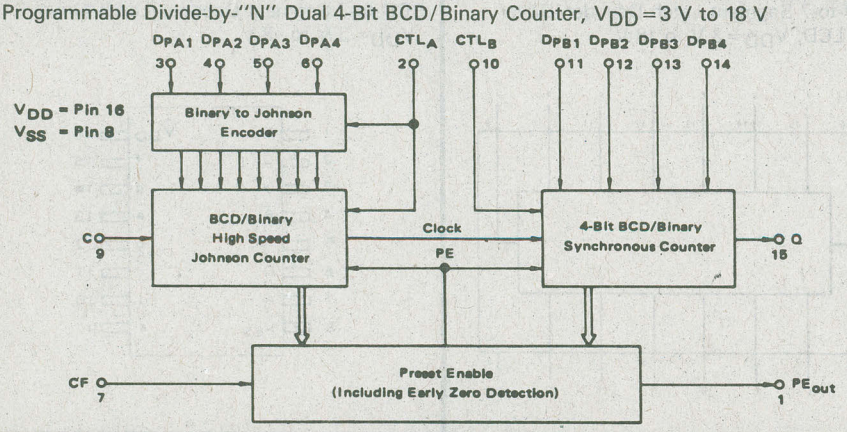
Phase Comparator and Programmable Counter, V_{DD} = 3 V to 18 V



V_{DD} = Pin 16
V_{SS} = Pin 8

ECG4569B 16-Pin DIP See Fig. D8

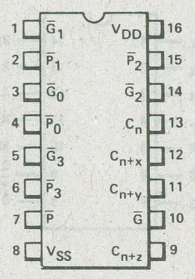
Programmable Divide-by-"N" Dual 4-Bit BCD/Binary Counter, V_{DD} = 3 V to 18 V



V_{DD} = Pin 16
V_{SS} = Pin 8

ECG4582B 16-Pin DIP See Fig. D8

Look-Ahead Carry Block (Use ECG40182 for replacement), V_{DD} = 3 V to 18 V

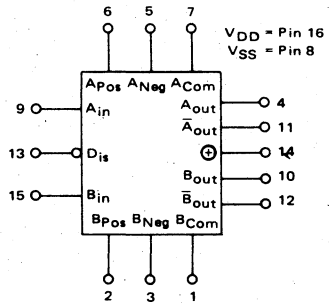


Package Outlines - See Page 1-379

CMOS (cont'd)

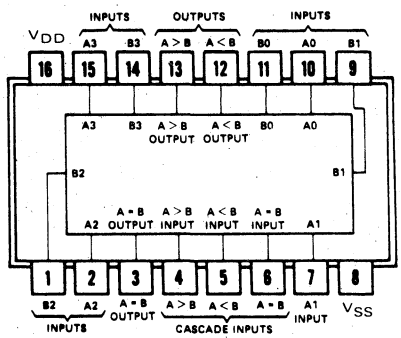
ECG4583B 16-Pin DIP See Fig. D8

Dual Schmitt Trigger, V_{DD} = 3 V to 18 V



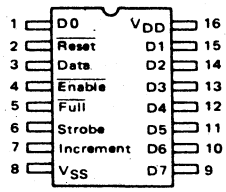
ECG4585B 16-Pin DIP See Fig. D8

4-Bit Magnitude Comparator, V_{DD} = 3 V to 18 V



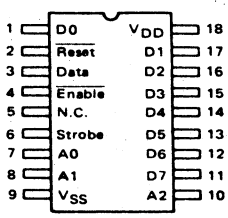
ECG4597B 16-Pin DIP See Fig. D8

8-Bit 3-State Bus Compatible Latches with Internal Counter, V_{DD} = 3 V to 18 V



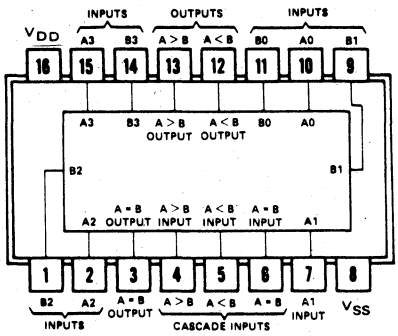
ECG4598B 18-Pin DIP See Fig. D11

8-Bit 3-State Bus Compatible Latches with Binary Address, V_{DD} = 3 V to 18 V



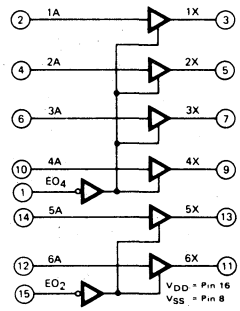
ECG40085B 16-Pin DIP See Fig. D8

4-Bit Magnitude Comparator, V_{DD} = 3 V to 15 V



ECG40097B 16-Pin DIP See Fig. D8

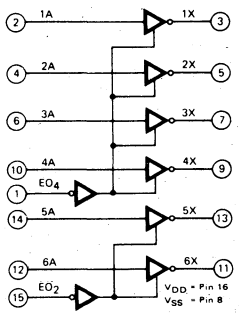
Hex 3-State Non-Inverting Buffer, V_{DD} = 3 V to 15 V



1A–6A Buffer Inputs
$\overline{EO_4}$, $\overline{EO_2}$ Enable Inputs (Active LOW)
1X–6X Buffer Outputs (Active HIGH)

ECG40098B 16-Pin DIP See Fig. D8

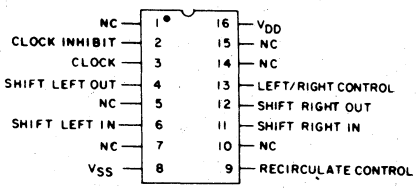
Hex 3-State Inverting Buffer, V_{DD} = 3 V to 15 V



1A–6A Buffer Inputs
$\overline{EO_4}$, $\overline{EO_2}$ Enable Inputs (Active LOW)
1X–6X Buffer Outputs (Active LOW)

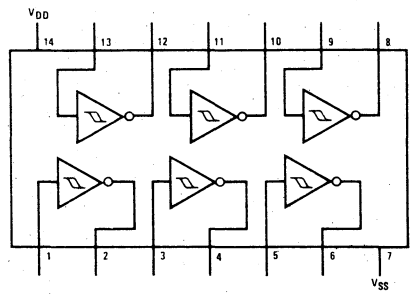
ECG40100B 16-Pin DIP See Fig. D8

32-Stage Static Left/Right Shift Register, V_{DD} = 3 V to 18 V



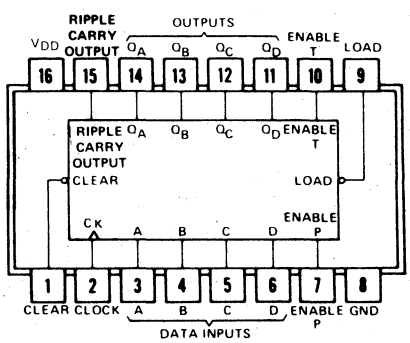
ECG40106B 14-Pin DIP See Fig. D6

Hex Schmitt Trigger, V_{DD} = 3 V to 15 V



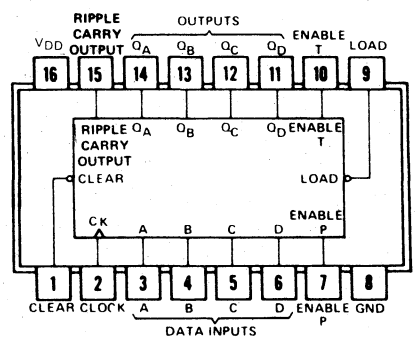
ECG40160B 16-Pin DIP See Fig. D8

4-Bit Decade Asynchronous Reset Counter, V_{DD} = 3 V to 15 V



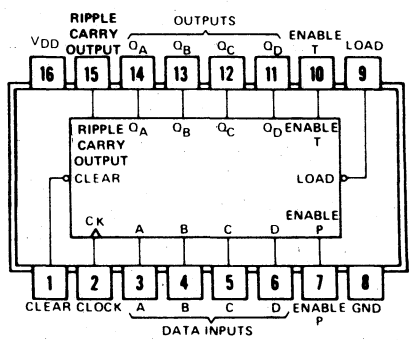
ECG40161B 16-Pin DIP See Fig. D8

4-Bit Binary Asynchronous Reset Counter, V_{DD} = 3 V to 15 V



ECG40162B 16-Pin DIP See Fig. D8

4-Bit Decade Synchronous Reset Counter, V_{DD} = 3 V to 15 V



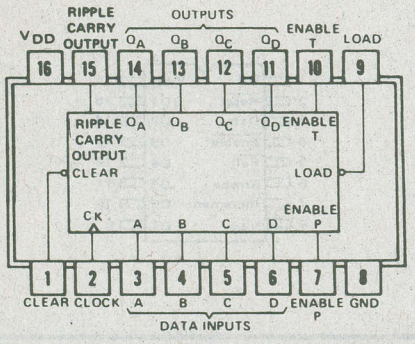
O

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CMOS (cont'd)

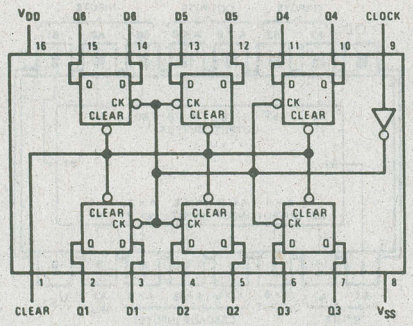
ECG40163B 16-Pin DIP See Fig. D8

4-Bit Binary Synchronous Reset Counter, V_{DD} = 3 V to 15 V



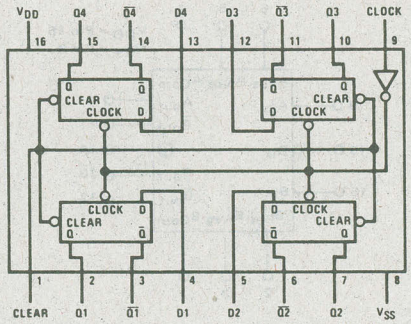
ECG40174B 16-Pin DIP See Fig. D8

Hex "D" Flip- Flop, V_{DD} = 3 V to 15 V



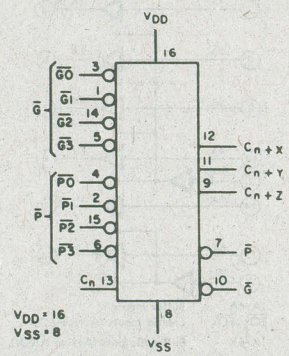
ECG40175B 16-Pin DIP See Fig. D8

Quad "D" Flip-Flop, V_{DD} = 3 V to 15 V



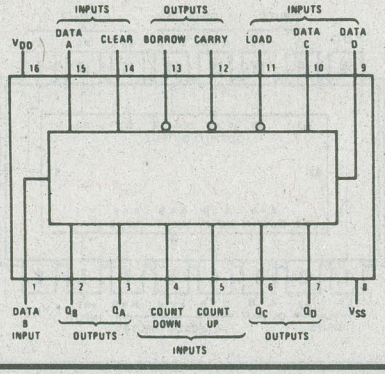
ECG40182B 16-Pin DIP See Fig. D8

Look-Ahead Carry Generator, V_{DD} = 3 V to 18 V



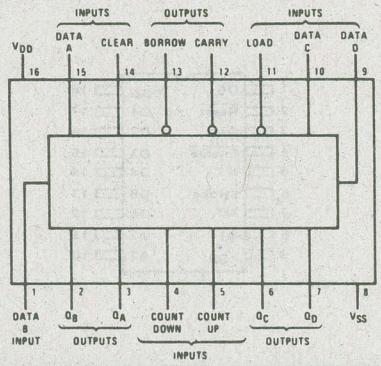
ECG40192B 16-Pin DIP See Fig. D8

4-Bit Up/Down Synchronous Decade Counter, V_{DD} = 3 V to 15 V



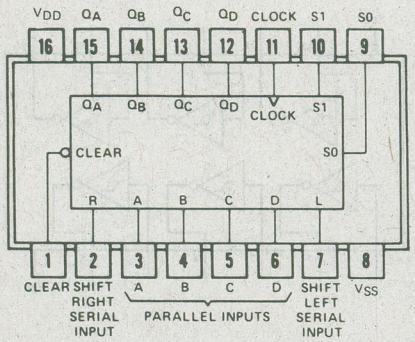
ECG40193B 16-Pin DIP See Fig. D8

4-Bit Up/Down Synchronous Binary Counter, V_{DD} = 3 V to 15 V



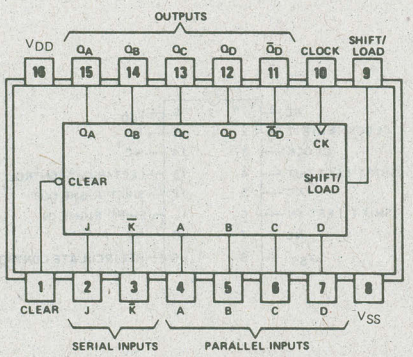
ECG40194B 16-Pin DIP See Fig. D8

4-Bit Right/Left Shift Register, V_{DD} = 3 V to 15 V



ECG40195B 16-Pin DIP See Fig. D8

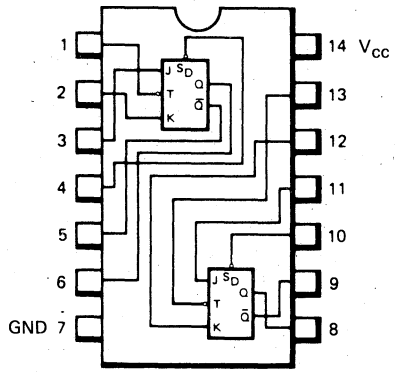
4-Bit Shift Register, V_{DD} = 3 V to 15 V



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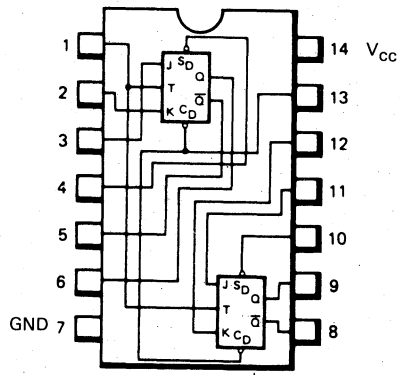
DTL Diode-Transistor Logic

ECG9093 14-Pin DIP See Fig. D6
Dual M/S J-K Flip-Flop (5 MHz)
ECG9094
Dual M/S J-K Flip-Flop (8 MHz)



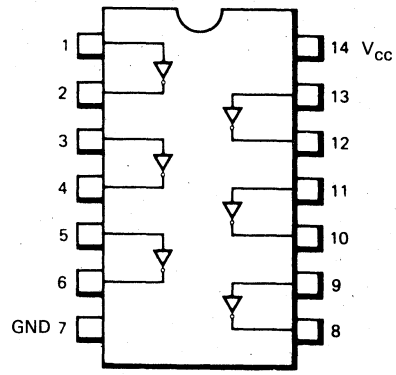
V_{CC} = +5 V (Nom.)

ECG9097 14-Pin DIP See Fig. D6
Dual M/S J-K Flip-Flop (8 MHz)
ECG9099
Dual M/S J-K Flip-Flop (5 MHz)



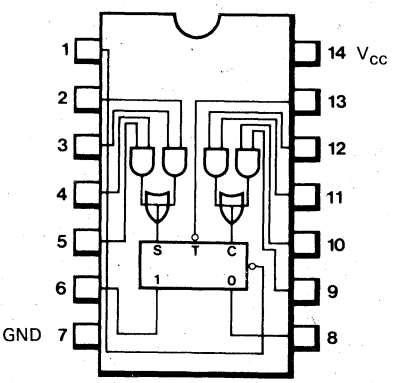
V_{CC} = +5 V (Nom.)

ECG9109 14-Pin DIP See Fig. D6
High Voltage Hex Inverter (Open Collector)



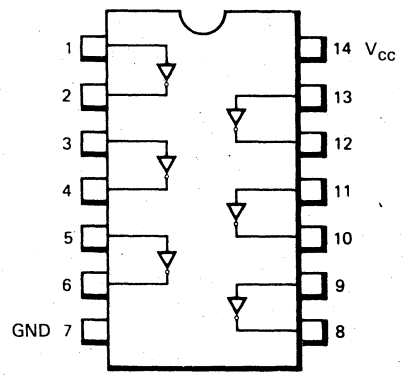
V_{CC} = +20 V (Nom.)

ECG9111 14-Pin DIP See Fig. D6
RS Flip-Flop



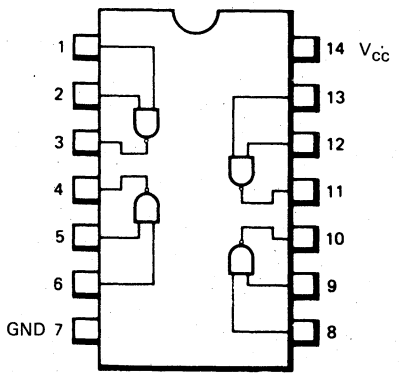
V_{CC} = +5 V (Nom.)

ECG9135 14-Pin DIP See Fig. D6
Hex Inverter (Open Collector)



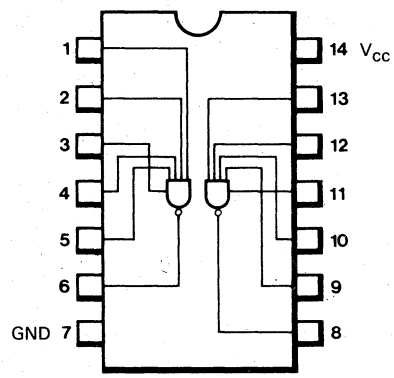
V_{CC} = +5 V (Nom.)

ECG9157 14-Pin DIP See Fig. D6
Quad 2-Input Buffered NAND Gate
ECG9158
Quad 2-Input Power NAND Gate



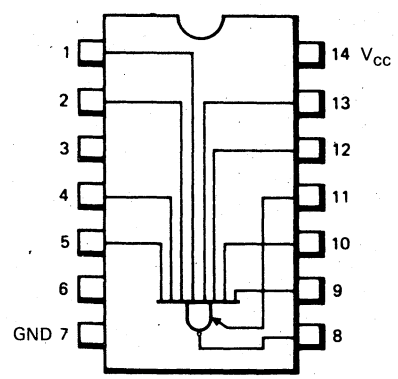
V_{CC} = +5 V (Nom.)

ECG9800 14-Pin DIP See Fig. D6
Dual 5-Input NAND Gate (6 Kohm-Pullup)
ECG9801
Dual 5-Input NAND Gate (2 Kohm-Pullup)



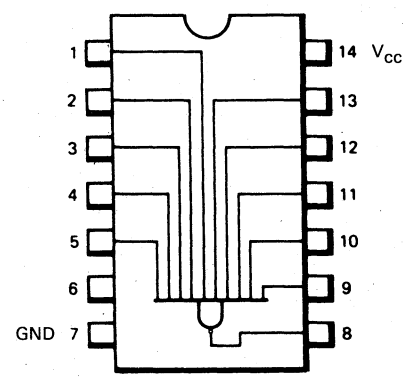
V_{CC} = +5 V (Nom.)

ECG9802 14-Pin DIP See Fig. D6
8-Input NAND Gate (6 Kohm-Pullup)
ECG9803
8-Input NAND Gate (2 Kohm-Pullup)



V_{CC} = +5 V (Nom.)

ECG9804 14-Pin DIP See Fig. D6
10-Input NAND Gate (6 Kohm-Pullup)
ECG9805
10-Input NAND Gate (2 Kohm-Pullup)



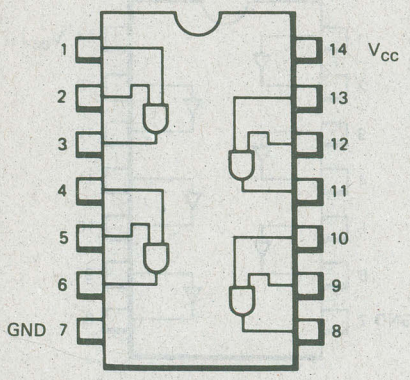
V_{CC} = +5 V (Nom.)

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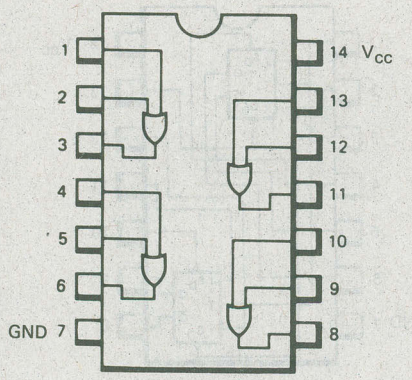
DTL (cont'd)

ECG9806 14-Pin DIP See Fig. D6
Quad 2-Input AND Gate (6 Kohm-Pullup)
ECG9807
Quad 2-Input AND Gate (2 Kohm-Pullup)



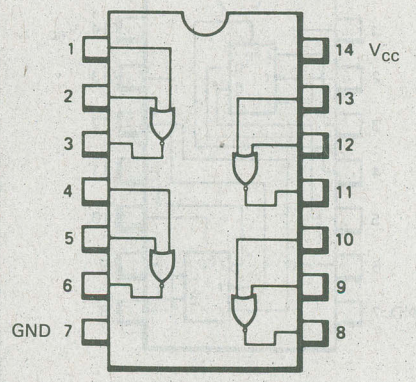
V_{CC} = +5 V (Nom.)

ECG9808 14-Pin DIP See Fig. D6
Quad 2-Input OR Gate (6 Kohm-Pullup)
ECG9809
Quad 2-Input OR Gate (2 Kohm-Pullup)



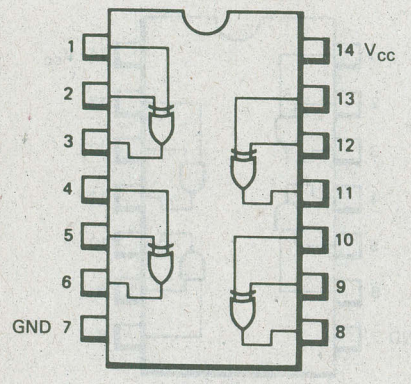
V_{CC} = +5 V (Nom.)

ECG9810 14-Pin DIP See Fig. D6
Quad 2-Input NOR Gate (6 Kohm-Pullup)
ECG9811
Quad 2-Input NOR Gate (2 Kohm-Pullup)



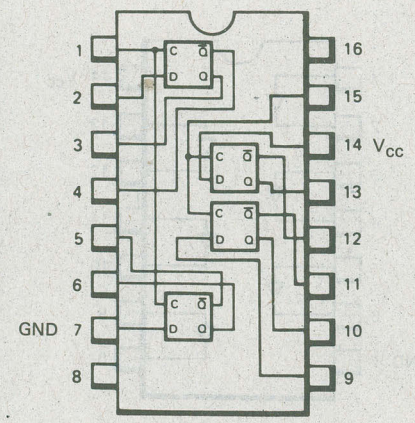
V_{CC} = +5 V (Nom.)

ECG9812 14-Pin DIP See Fig. D6
Quad 2-Input Exclusive OR Gate



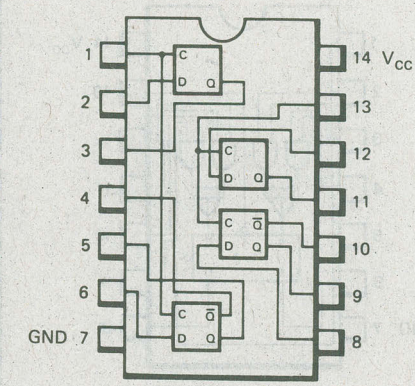
V_{CC} = +5 V (Nom.)

ECG9813 16-Pin DIP See Fig. D8
Quad Latch with Complementary Outputs



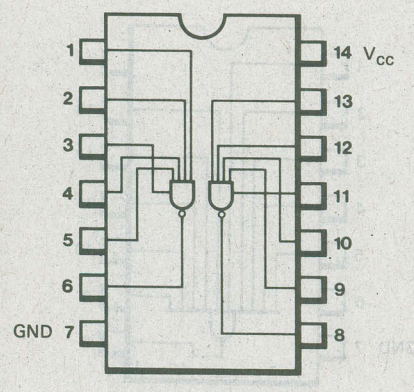
V_{CC} = +5 V (Nom.)

ECG9814 14-Pin DIP See Fig. D6
Quad Latch



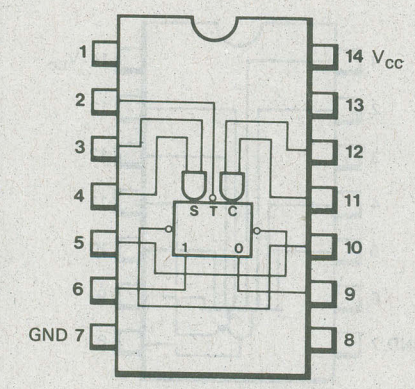
V_{CC} = +5 V (Nom.)

ECG9930 14-Pin DIP See Fig. D6
Dual 4-Input Extendable NAND Gate



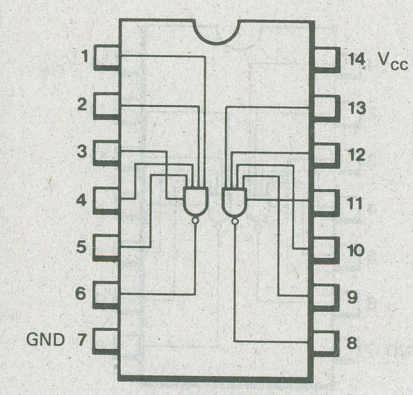
V_{CC} = +5 V (Nom.)

ECG9931 14-Pin DIP See Fig. D6
RS Clocked Flip-Flop



V_{CC} = +5 V (Nom.)

ECG9932 14-Pin DIP See Fig. D6
Dual 4-Input Extendable NAND Buffer Gate

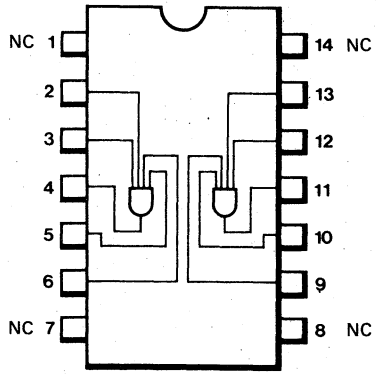


V_{CC} = +5 V (Nom.)

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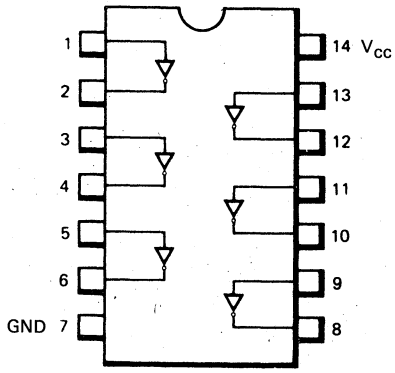
DTL (cont'd)

ECG9933 14-Pin DIP See Fig. D6
Dual 4-Input Extender



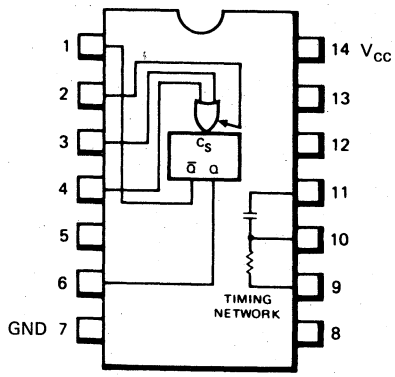
ECG9935 14-Pin DIP See Fig. D6
Extendable Hex Inverter

ECG9936, ECG9937
Hex Inverters



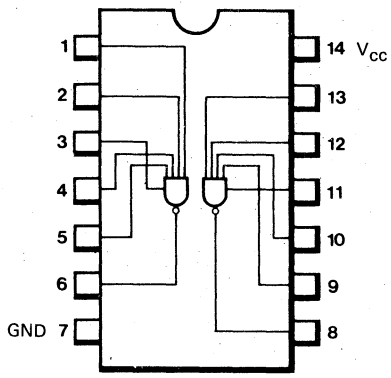
V_{CC} = +5 V (Nom.)

ECG9941 14-Pin DIP See Fig. D6
Monostable Multivibrator (Input Clamp Diodes)



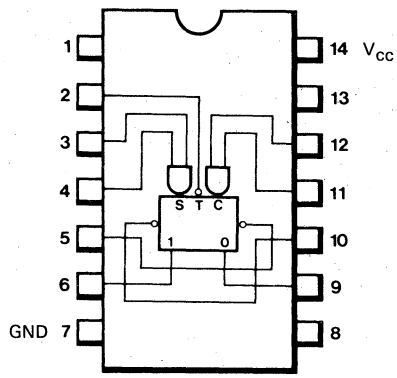
V_{CC} = +5 V (Nom.)

ECG9944 14-Pin DIP See Fig. D6
Dual 4-Input Extendable NAND Buffer Gate (Open Collector)



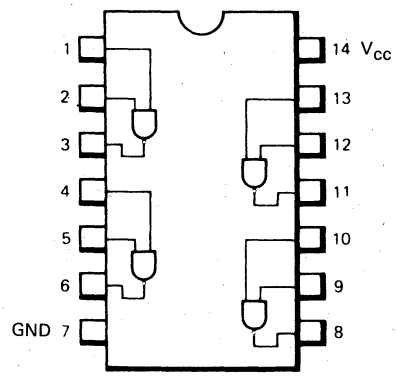
V_{CC} = +5 V (Nom.)

ECG9945 14-Pin DIP See Fig. D6
RS Clocked Flip-Flop



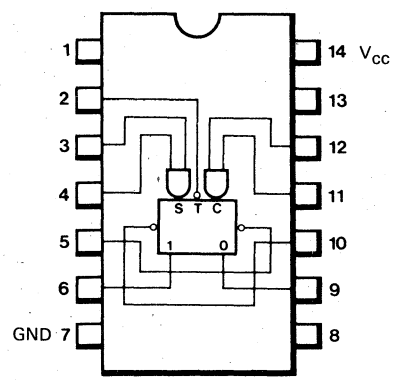
V_{CC} = +5 V (Nom.)

ECG9946 14-Pin DIP See Fig. D6
Quad 2-Input NAND Gate



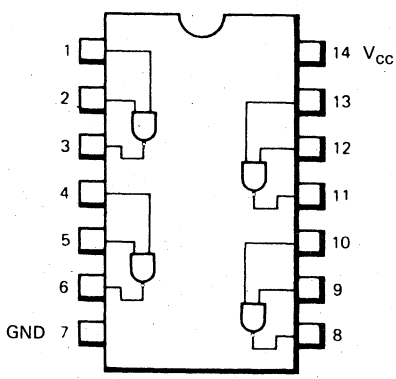
V_{CC} = +5 V (Nom.)

ECG9948 14-Pin DIP See Fig. D6
RS Clocked Flip-Flop (Fast)



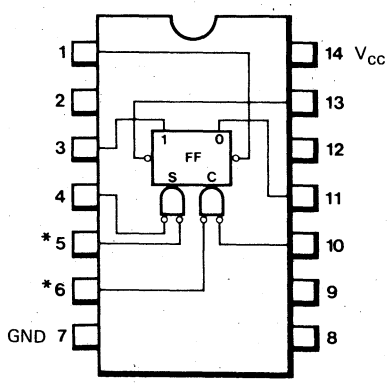
V_{CC} = +5 V (Nom.)

ECG9949 14-Pin DIP See Fig. D6
Quad 2-Input NAND Gate (Fast)



V_{CC} = +5 V (Nom.)

ECG9950 14-Pin DIP See Fig. D6
A-C Coupled RS Flip-Flop



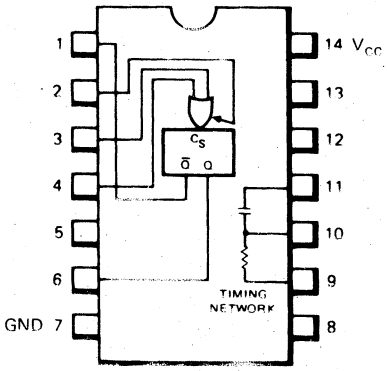
V_{CC} = +5 V (Nom.)
* These inputs are capacitively coupled.

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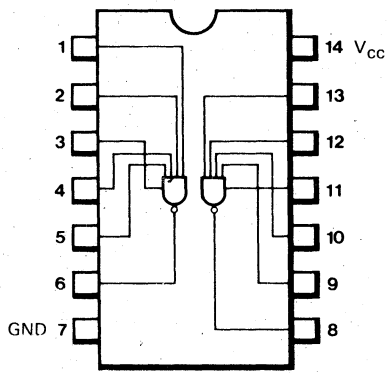
DTL (cont'd)

ECG9951 14-Pin DIP See Fig. D6
Monostable Multivibrator



V_{cc} = +5 V (Nom.)

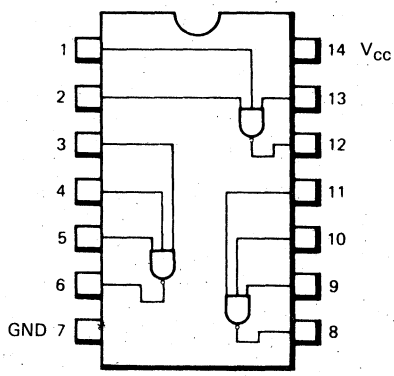
ECG9961 14-Pin DIP See Fig. D6
Dual 4-Input Extendable NAND Gate (Fast)



V_{cc} = +5 V (Nom.)

ECG9962 14-Pin DIP See Fig. D6
Triple 3-Input NAND Gate

ECG9963
Triple 3-Input NAND Gate (Fast)

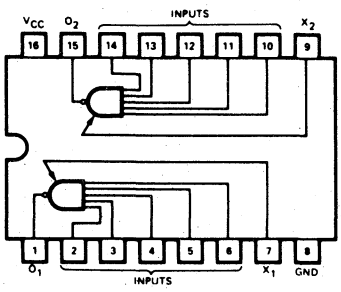


V_{cc} = +5 V (Nom.)

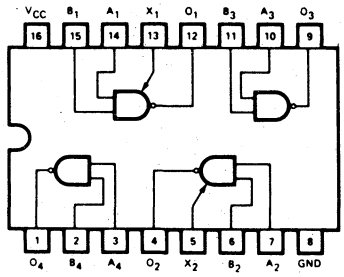
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HLL High Level Logic Circuits

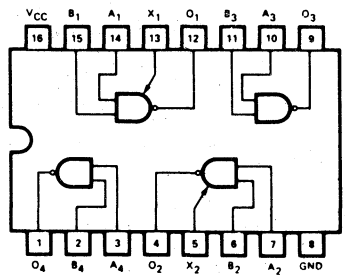
ECG9301 16-Pin DIP See Fig. D8
Dual 5-Input Power NAND Gate (Active Pull-Up), V_{CC} = +15 V (Nom.)



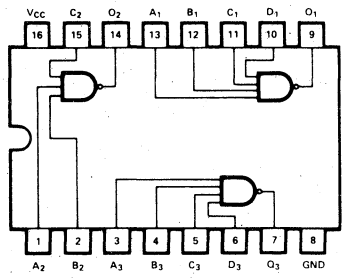
ECG9302 16-Pin DIP See Fig. D8
Quad 2-Input NAND Buffer Gate (Open Collector), V_{CC} = +15 V (Nom.)



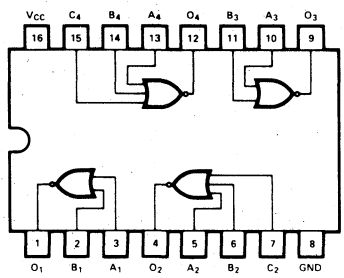
ECG9303 16-Pin DIP See Fig. D8
Quad 2-Input NAND Buffer Gate (Passive Pull-Up), V_{CC} = +15 V (Nom.)



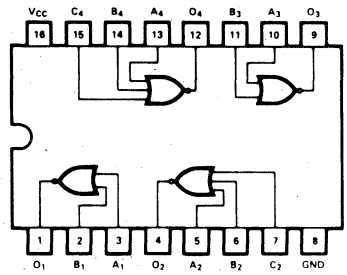
ECG9304 16-Pin DIP See Fig. D8
Triple 4,3,4 Input NAND Gate (Passive Pull-Up), V_{CC} = +15 V (Nom.)



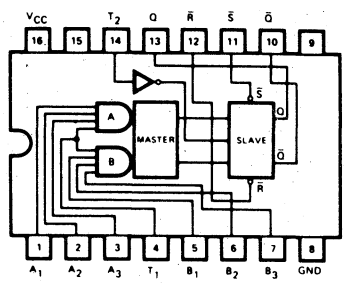
ECG9306 16-Pin DIP See Fig. D8
2,2,3,3 Input NOR Gate (Active Pull-Up), V_{CC} = +15 V (Nom.)



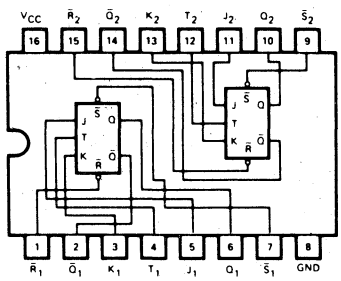
ECG9307 16-Pin DIP See Fig. D8
2,2,3,3 Input NOR Gate (Open Collector), V_{CC} = +15 V (Nom.)



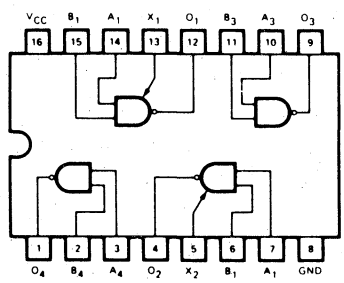
ECG9311 16-Pin DIP See Fig. D8
Master/Slave Flip-Flop (Active Pull-Up), V_{CC} = +15 V (Nom.)



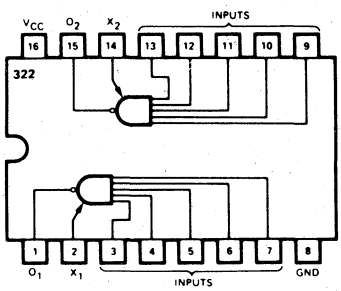
ECG9312 16-Pin DIP See Fig. D8
Dual J-K Flip-Flop (Active Pull-Up), V_{CC} = +15 V (Nom.)



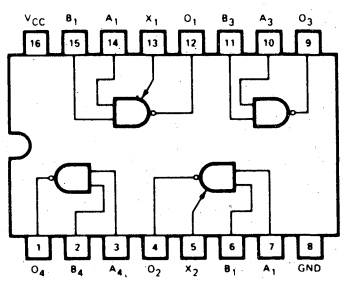
ECG9321 16-Pin DIP See Fig. D8
Qual 2-Input NAND Gate (Active Pull-Up), V_{CC} = +15 V (Nom.)



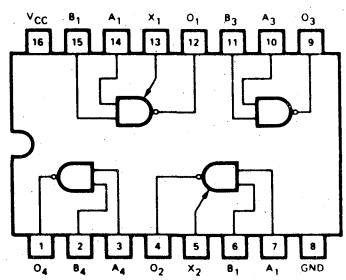
ECG9322 16-Pin DIP See Fig. D8
Dual 5-Input NAND Gate (Active Pull-Up), V_{CC} = +15 V (Nom.)



ECG9323 16-Pin DIP See Fig. D8
Quad 2-Input NAND Gate (Open Collector), V_{CC} = +15 V (Nom.)



ECG9324 16-Pin DIP See Fig. D8
Quad 2-Input NAND Gate (Passive Pull-Up), V_{CC} = +15 V (Nom.)

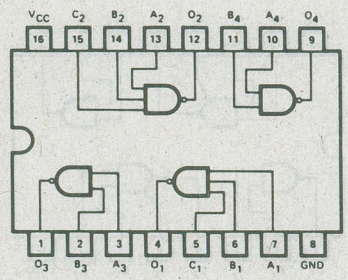


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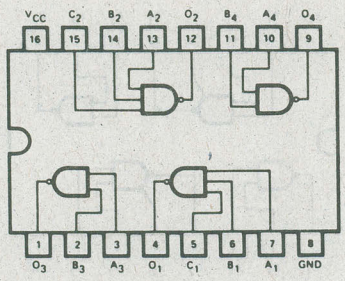
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HLL Circuits (cont'd)

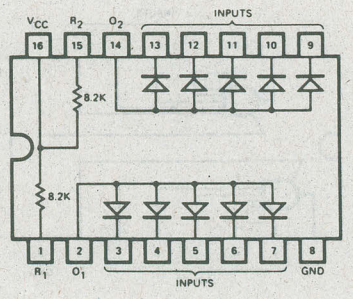
ECG9325 16-Pin DIP See Fig. D8
2,2,3,3 Input NAND Gate (Active Pull-Up), V_{CC} = +15 V (Nom.)



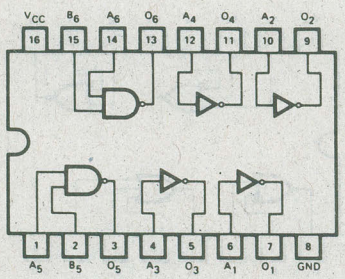
ECG9326 16-Pin DIP See Fig. D8
2,2,3,3 Input NAND Gate (Passive Pull-Up), V_{CC} = +15 V (Nom.)



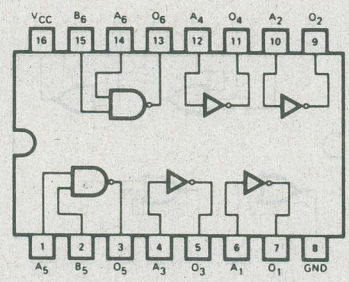
ECG9331 16-Pin DIP See Fig. D8
Dual 5-Input Gate Expander, V_{CC} = +15 V (Nom.)



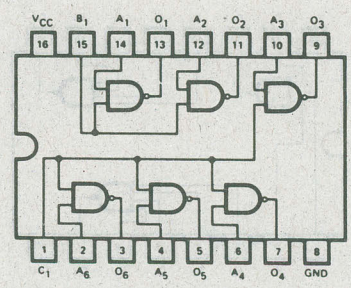
ECG9332 16-Pin DIP See Fig. D8
Hex Inverter Gate (Open Collector), V_{CC} = +15 V (Nom.)



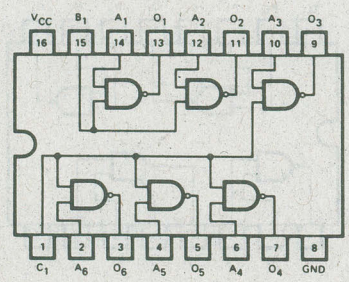
ECG9333 16-Pin DIP See Fig. D8
Hex Inverter Gate (Passive Pull-Up), V_{CC} = +15 V (Nom.)



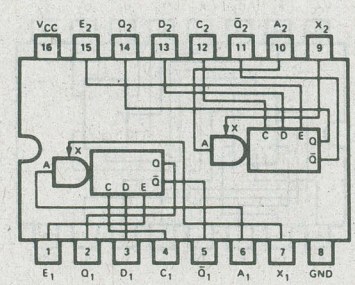
ECG9334 16-Pin DIP See Fig. D8
Strobed Hex Inverter Gate (Open Collector), V_{CC} = +15 V (Nom.)



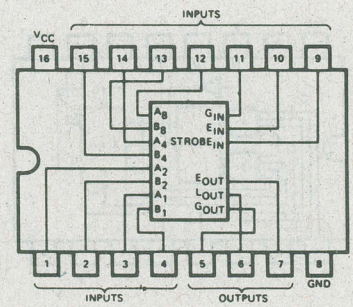
ECG9335 16-Pin DIP See Fig. D8
Strobed Hex Inverter Gate (Passive Pull-Up), V_{CC} = +15 V (Nom.)



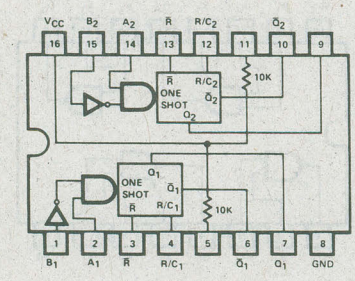
ECG9342 16-Pin DIP See Fig. D8
Dual Monostable Multivibrator (Active Pull-Up), V_{CC} = +15 V (Nom.)



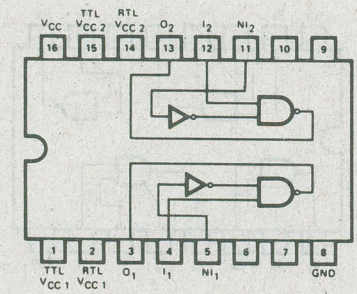
ECG9343 16-Pin DIP See Fig. D8
Four Bit Comparator (Active Pull-Up), V_{CC} = +15 V (Nom.)



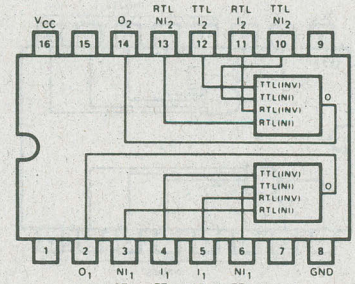
ECG9347 16-Pin DIP See Fig. D8
Dual Retriggerable Monostable Multivibrator (Active Pull-Up), V_{CC} = +15 V (Nom.)



ECG9361 16-Pin DIP See Fig. D8
Dual Input Interface (Passive Pull-Up), V_{CC} = +15 V (Nom.)



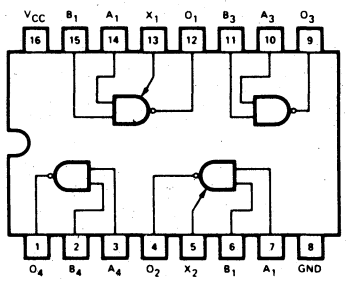
ECG9362 16-Pin DIP See Fig. D8
Dual Output Interface (Active Pull-Up), V_{CC} = +15 V (Nom.)



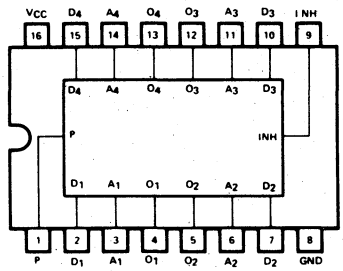
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HLL Circuits (cont'd)

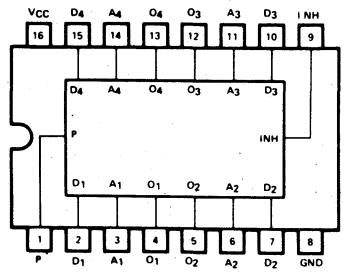
ECG9363 16-Pin DIP See Fig. D8
Quad Output Interface (Passive Pull-Up), V_{CC} = +15 V (Nom.)



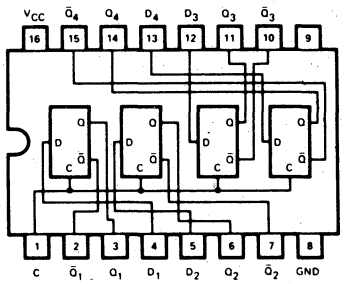
ECG9367 16-Pin DIP See Fig. D8
Quad Schmitt Trigger (Active Pull-Up), V_{CC} = +15 V (Nom.)



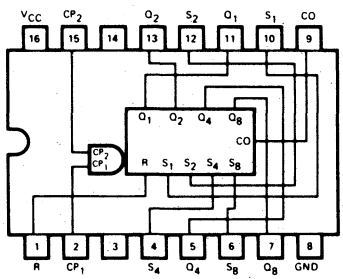
ECG9368 16-Pin DIP See Fig. D8
Quad Schmitt Trigger (Open Collector), V_{CC} = +15 V (Nom.)



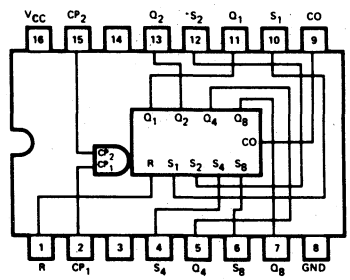
ECG9370 16-Pin DIP See Fig. D8
Quad D Flip-Flop (Passive Pull-Up), V_{CC} = +15 V (Nom.)



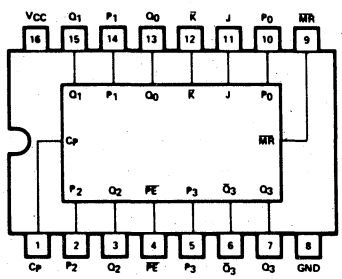
ECG9371 16-Pin DIP See Fig. D8
Decade Counter (Passive Pull-Up), V_{CC} = +15 V (Nom.)



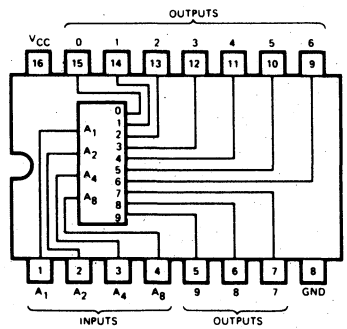
ECG9372 16-Pin DIP See Fig. D8
Hexadecimal Counter (Passive Pull-Up), V_{CC} = +15 V (Nom.)



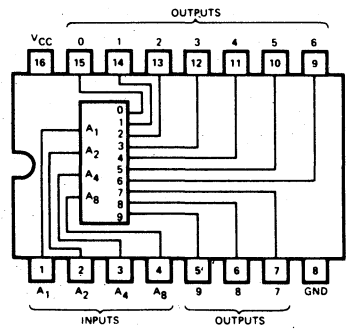
ECG9375 16-Pin DIP See Fig. D8
Four Bit Shift Register (Active Pull-Up), V_{CC} = +15 V (Nom.)



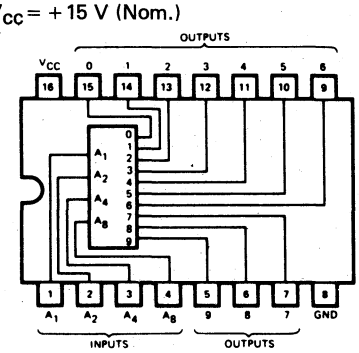
ECG9380 16-Pin DIP See Fig. D8
BCD-to-Decade Decoder/Lamp Driver (Open Collector), V_{CC} = +15 V (Nom.)



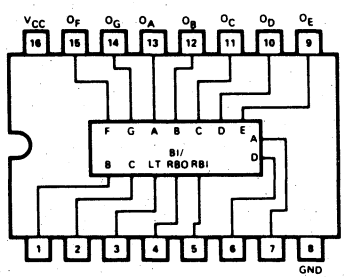
ECG9381 16-Pin DIP See Fig. D8
BCD-to-Decade Decoder/Logic Driver (Open Collector), V_{CC} = +15 V (Nom.)



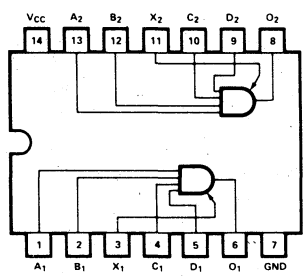
ECG9382 16-Pin DIP See Fig. D8
BCD-to-Decade Decoder/Gas Discharge (Open Collector) Tube Driver, V_{CC} = +15 V (Nom.)



ECG9383 16-Pin DIP See Fig. D8
BCD-to-Seven Segment Decoder/Driver (Open Collector), V_{CC} = +15 V (Nom.)



ECG9390 14-Pin DIP See Fig. D6
Dual 4-Input AND Interface Buffer, V_{CC} = +15 V (Nom.)

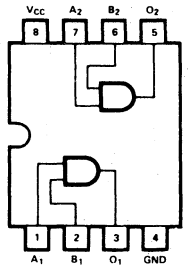


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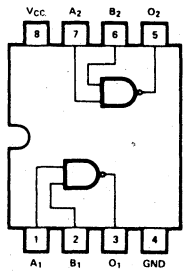
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HLL Circuits (cont'd)

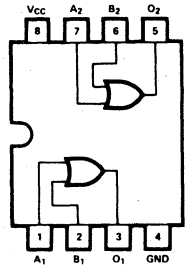
ECG9391 8-Pin DIP See Fig. D4
Dual 2-Input AND Interface Buffer,
V_{CC} = +15 V (Nom.)



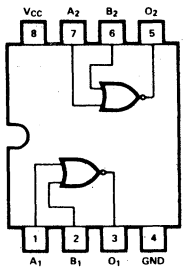
ECG9392 8-Pin DIP See Fig. D4
Dual 2-Input NAND Interface Buffer,
V_{CC} = +15 V (Nom.)



ECG9393 8-Pin DIP See Fig. D4
Dual 2-Input OR Interface Buffer,
V_{CC} = +15 V (Nom.)



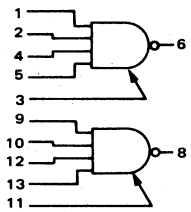
ECG9394 8-Pin DIP See Fig. D4
Dual 2-Input NOR Interface Buffer,
V_{CC} = +15 V (Nom.)



Package Outlines - See Page 1-379

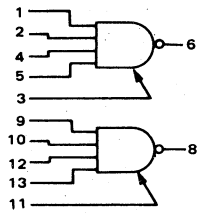
HTL High Threshold Logic

ECG9660 14-Pin DIP See Fig. D6
Expandable Dual 4-Input NAND Gate (Active Pull-Up), V_{CC} = +15 V (Nom.)



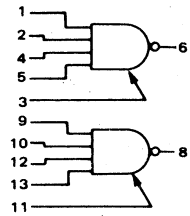
V_{CC} = Pin 14, GND = Pin 7

ECG9661 14-Pin DIP See Fig. D6
Expandable 4-Input NAND Gate (Passive Pull-Up), V_{CC} = +15 V (Nom.)



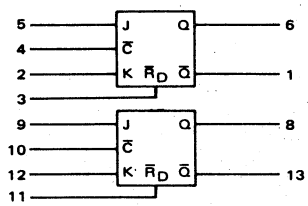
V_{CC} = Pin 14, GND = Pin 7

ECG9662 14-Pin DIP See Fig. D6
Expandable 4-Input Line NAND Driver (Active Pull-Up), V_{CC} = +15 V (Nom.)



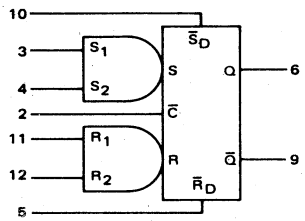
V_{CC} = Pin 14, GND = Pin 7

ECG9663 14-Pin DIP See Fig. D6
Dual J-K Flip-Flop, V_{CC} = +15 V (Nom.)



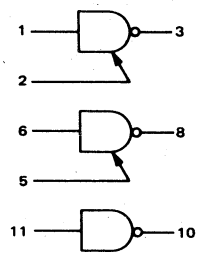
V_{CC} = Pin 14, GND = Pin 7

ECG9664 14-Pin DIP See Fig. D6
M/S R-S Flip-Flop, V_{CC} = +15 V (Nom.)



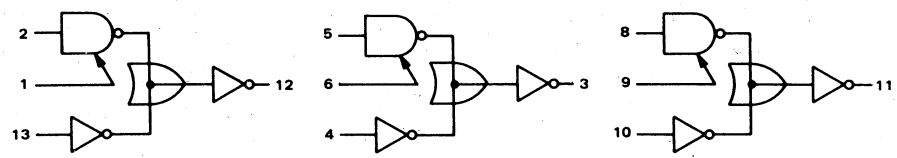
V_{CC} = Pin 14, GND = Pin 7

ECG9665 14-Pin DIP See Fig. D6
Triple Level Translator tp = 40 ns Typ, V_{CC} = +15 V (Nom.)



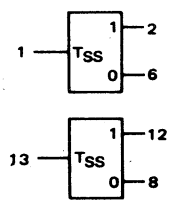
V_{CC} = Pin 14, GND = Pin 7

ECG9666 14-Pin DIP See Fig. D6
Triple Level Translator tp = 75 ns Typ, V_{CC} = +15 V (Nom.)



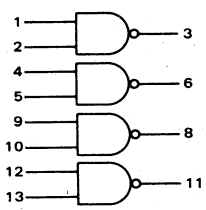
V_{CC} = Pin 14, GND = Pin 7

ECG9667 14-Pin DIP See Fig. D6
Dual Monostable Multivibrator, V_{CC} = +15 V (Nom.)



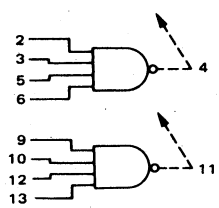
V_{CC} = Pin 14, GND = Pin 7

ECG9668 14-Pin DIP See Fig. D6
Quad 2-Input NAND Gate (Passive Pull-Up), V_{CC} = +15 V (Nom.)



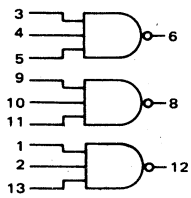
V_{CC} = Pin 14, GND = Pin 7

ECG9669 14-Pin DIP See Fig. D6
Dual 4-Input Expander, V_{CC} = +15 V (Nom.)



V_{CC} = Pin 14, GND = Pin 7

ECG9670 14-Pin DIP See Fig. D6
Triple 3-Input NAND Gate (Passive Pull-Up), V_{CC} = +15 V (Nom.)



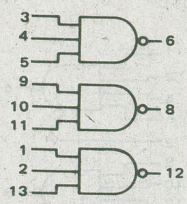
V_{CC} = Pin 14, GND = Pin 7

O

Package Outlines - See Page 1-379

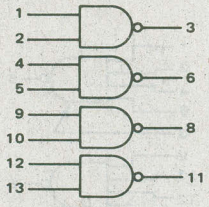
HTL (cont'd)

ECG9671 14-Pin DIP See Fig. D6
Triple 3-Input NAND Gate (Active Pull-Up), V_{CC} = +15 V (Nom.)



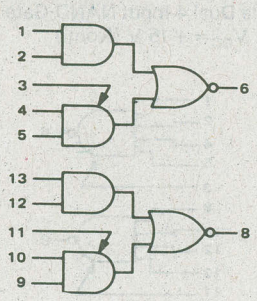
V_{CC} = Pin 14, GND = Pin 7

ECG9672 14-Pin DIP See Fig. D6
Quad 2-Input NAND Gate (Active Pull-Up), V_{CC} = +15 V (Nom.)



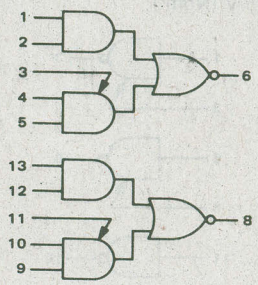
V_{CC} = Pin 14, GND = Pin 7

ECG9673 14-Pin DIP See Fig. D6
Dual-Input AND/OR/Invert Gate (Active Pull-Up), V_{CC} = +15 V (Nom.)



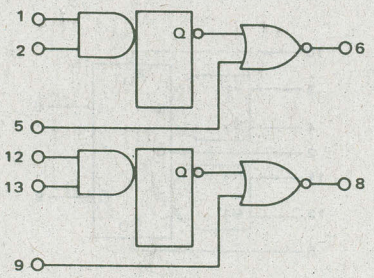
V_{CC} = Pin 14, GND = Pin 7

ECG9674 14-Pin DIP See Fig. D6
Dual 2-Input AND/OR/Invert Gate (Passive Pull-Up), V_{CC} = +15 V (Nom.)



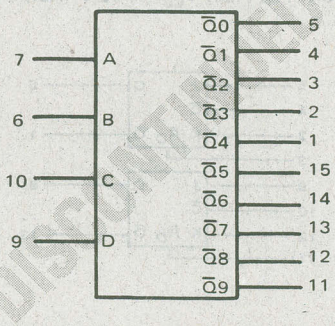
V_{CC} = Pin 14, GND = Pin 7

ECG9675 14-Pin DIP See Fig. D6
Dual Pulse Stretcher, V_{CC} = +15 V (Nom.)



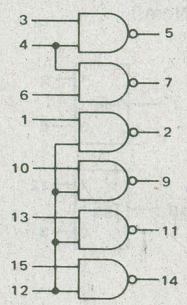
V_{CC} = Pin 14, GND = Pin 7

ECG9676 16-Pin DIP See Fig. D8
BCD-to-Decimal Decoder Driver, V_{CC} = +15 V (Nom.)



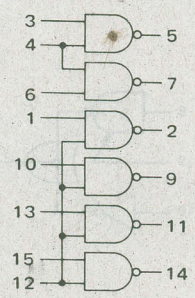
V_{CC} = Pin 16, GND = Pin 8

ECG9677 16-Pin DIP See Fig. D8
Hex Inverter with Strobe (Active Pull-Up), V_{CC} = +15 V (Nom.)



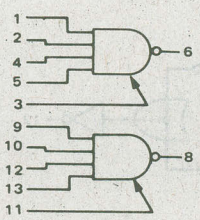
V_{CC} = Pin 16, GND = Pin 8

ECG9678 16-Pin DIP See Fig. D8
Hex Inverter with Strobe (Without Output Resistors), V_{CC} = +15 V (Nom.)



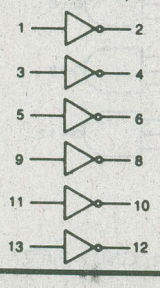
V_{CC} = Pin 16, GND = Pin 8

ECG9679 14-Pin DIP See Fig. D6
Dual Lamp/Line Driver, V_{CC} = +15 V (Nom.)



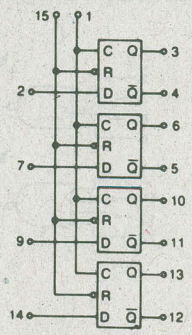
ECG9680 14-Pin DIP See Fig. D6
Hex Inverter (Active Pull-Up), V_{CC} = +15 V (Nom.)

ECG9681
Hex Inverter (Open Collector), V_{CC} = +15 V (Nom.)



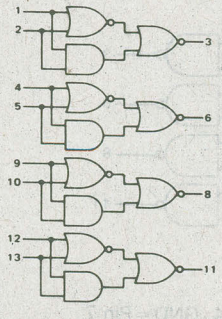
V_{CC} = Pin 14, GND = Pin 7

ECG9682 16-Pin DIP See Fig. D8
Quad Latch, V_{CC} = +15 V (Nom.)



V_{CC} = Pin 16, GND = Pin 8

ECG9683 14-Pin DIP See Fig. D6
Quad 2-Input Exclusive OR Gate, V_{CC} = +15 V (Nom.)

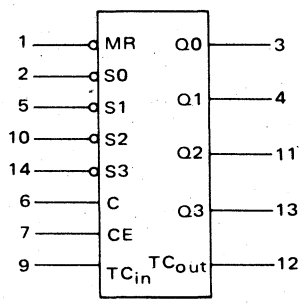


V_{CC} = Pin 14, GND = Pin 7

Package Outlines - See Page 1-379

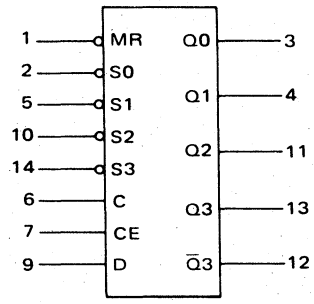
HTL (cont'd)

ECG9684 16-Pin DIP See Fig. D8
Decade Counter, V_{CC} = +15 V (Nom.)
ECG9685
Binary Counter, V_{CC} = +15 V (Nom.)



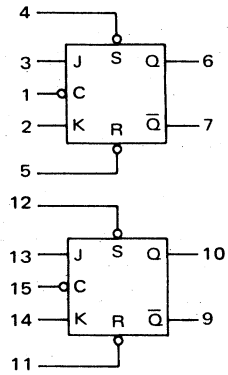
V_{cc} = Pin 16, GND = Pin 8

ECG9686 16-Pin DIP See Fig. D8
4-Bit Shift Register, V_{CC} = +15 V (Nom.)



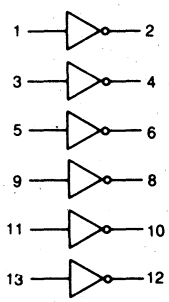
V_{cc} = Pin 16, GND = Pin 8

ECG9688 16-Pin DIP See Fig. D8
Dual J-K Flip-Flop, V_{CC} = +15 V (Nom.)



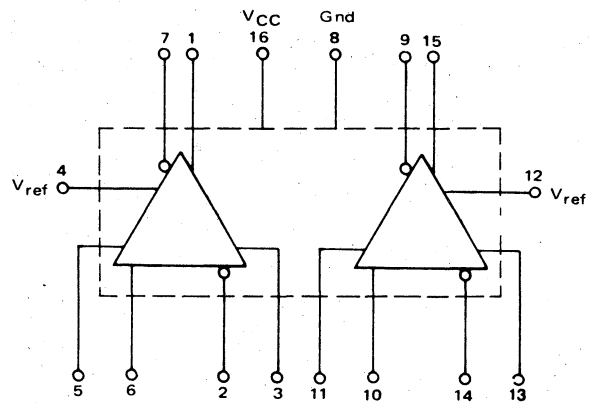
V_{cc} = Pin 16, GND = Pin 8

ECG9689 14-Pin DIP See Fig. D6
Hex Inverter (High Voltage),
V_{CC} = +15 V (Nom.)
ECG9690
Hex Inverter (Active Pull-Up),
V_{CC} = +15 V (Nom.)
ECG9691
Hex Inverter/Interface Element,
V_{CC} = +15 V (Nom.)



V_{cc} = Pin 14, GND = Pin 7

ECG9696 16-Pin DIP See Fig. D8
Dual Interface Element, Line Driver/
Receiver, V_{CC} = +15 V (Nom.)

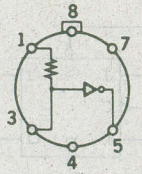


V_{cc} = Pin 16, GND = Pin 8

Package Outlines - See Page 1-379

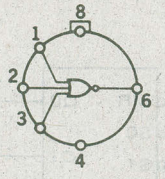
RTL Resistor-Transistor Logic

ECG9900 8-Pin Can See Fig. D2
Buffer-Medium Power,
V_{CC} = +3.6 V (Nom.)



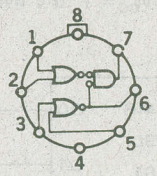
V_{CC} = Pin 8, GND = Pin 4

ECG9903 8-Pin Can See Fig. D2
3-Input NOR Gate-Medium Power,
V_{CC} = +3.6 V (Nom.)



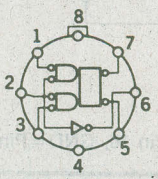
V_{CC} = Pin 8, GND = Pin 4

ECG9904 8-Pin Can See Fig. D2
Half Adder-Medium Power,
V_{CC} = +3.6 V (Nom.)



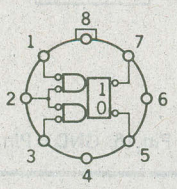
V_{CC} = Pin 8, GND = Pin 4

ECG9905 8-Pin Can See Fig. D2
Half-Shift Register-Medium Power,
V_{CC} = +3.6 V (Nom.)



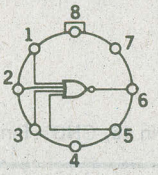
V_{CC} = Pin 8, GND = Pin 4

ECG9906 8-Pin Can See Fig. D2
Half-Shift Register W I/O-Inverter-Medium Power, V_{CC} = +3.6 V (Nom.)



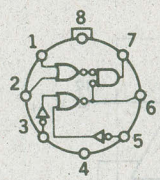
V_{CC} = Pin 8, GND = Pin 4

ECG9907 8-Pin Can See Fig. D2
4-Input NOR Gate-Medium Power,
V_{CC} = +3.6 V (Nom.)



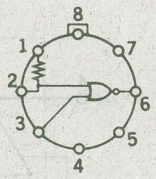
V_{CC} = Pin 8, GND = Pin 4

ECG9908 8-Pin Can See Fig. D2
Adder and Exclusive OR-Low Power,
V_{CC} = +3.6 V (Nom.)



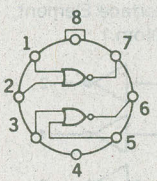
V_{CC} = Pin 8, GND = Pin 4

ECG9909 8-Pin Can See Fig. D2
Buffer-Low Power, V_{CC} = +3.6 V (Nom.)



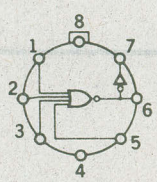
V_{CC} = Pin 8, GND = Pin 4

ECG9910 8-Pin Can See Fig. D2
Dual 2-Input NOR Gate-Low Power,
V_{CC} = +3.6 V (Nom.)



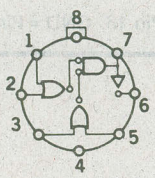
V_{CC} = Pin 8, GND = Pin 4

ECG9911 8-Pin Can See Fig. D2
4-Input NOR Gate and Inverter-Low Power,
V_{CC} = +3.6 V (Nom.)



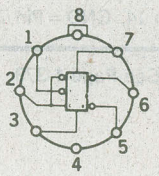
V_{CC} = Pin 8, GND = Pin 4

ECG9912 8-Pin Can See Fig. D2
Half Adder-Low Power,
V_{CC} = +3.6 V (Nom.)



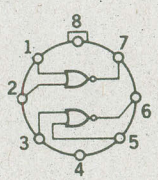
V_{CC} = Pin 8, GND = Pin 4

ECG9913 8-Pin Can See Fig. D2
Type "D" Flip-Flop-Low Power,
V_{CC} = +3.6 V (Nom.)



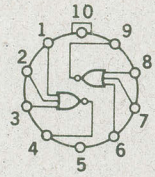
V_{CC} = Pin 8, GND = Pin 4

ECG9914 8-Pin Can See Fig. D2
Dual 2-Input NOR Gate-Medium Power,
V_{CC} = +3.6 V (Nom.)



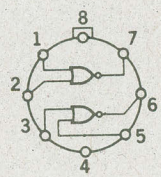
V_{CC} = Pin 8, GND = Pin 4

ECG9915 10-Pin Can See Fig. D3
Dual 3-Input NOR Gate-Medium Power,
V_{CC} = +3.6 V (Nom.)



V_{CC} = Pin 10, GND = Pin 5

ECG9921 8-Pin Can See Fig. D2
Gate Expander-Low Power,
V_{CC} = +3.6 V (Nom.)

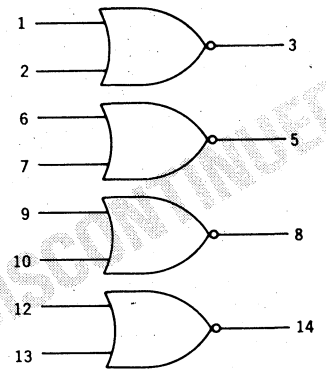


V_{CC} = Pin 8, GND = Pin 4

Package Outlines - See Page 1-379

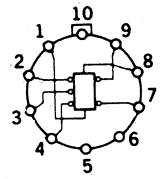
RTL (cont'd)

ECG9924 14-Pin DIP See Fig. D6
Quad 2-Input NOR Gate-Medium Power,
V_{CC} = +3.6 V (Nom.)



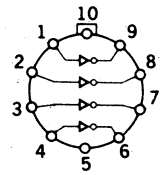
V_{CC} = Pin 11, GND = Pin 4

ECG9926 10-Pin Can See Fig. D3
J-K Flip-Flop-Medium Power,
V_{CC} = +3.6 V (Nom.)



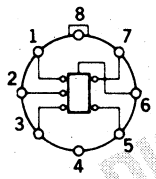
V_{CC} = Pin 10, GND = Pin 5

ECG9927 10-Pin Can See Fig. D3
Quad Inverter-Medium Power,
V_{CC} = +3.6 V (Nom.)



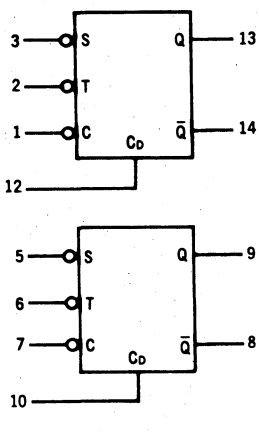
V_{CC} = Pin 10, GND = Pin 5

ECG9974 8-Pin Can See Fig. D2
J-K Flip-Flop, V_{CC} = +3.6 V (Nom.)



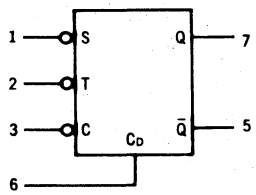
V_{CC} = Pin 8, GND = Pin 4

ECG9976 14-Pin DIP See Fig. D6
Dual J-K Flip-Flop-Low Power,
V_{CC} = +3.6 V (Nom.)



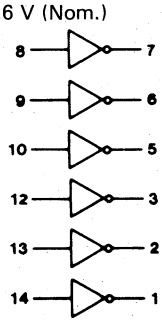
V_{CC} = Pin 11, GND = Pin 4

ECG9982 8-Pin Can See Fig. D2
J-K Flip-Flop, V_{CC} = +3.6 V (Nom.)



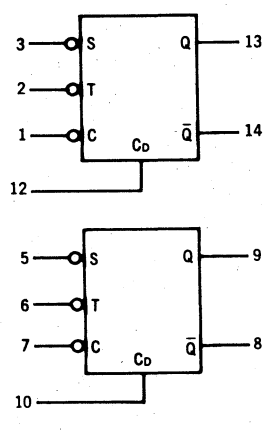
V_{CC} = Pin 8, GND = Pin 4

ECG9989 14-Pin DIP See Fig. D6
Hex Inverter-Medium Power,
V_{CC} = +3.6 V (Nom.)



V_{CC} = Pin 11, GND = Pin 4

ECG9990 14-Pin DIP See Fig. D6
Dual J-K Flip-Flop, V_{CC} = +3.6 V (Nom.)



V_{CC} = Pin 11, GND = Pin 4

Package Outlines - See Page 1-379

DISCONTINUED

TTL Selector Guide

- **AND Gates**
  - **Dual 4-Input**
    - ECG7421
    - ECG74H21
    - ECG74LS21
  - **Triple 3-Input**
    - ECG7411
    - ECG74H11
    - ECG74LS11
    - ECG74S11
  - **Quad 2-Input**
    - ECG7408
    - ECG74C08
    - ECG74H08
    - ECG74LS08
    - ECG74S08
- **AND Gates with Open Collector Output**
  - **Triple 3-Input**
    - ECG74LS15
    - ECG74S15
  - **Quad 2-Input**
    - ECG7409
    - ECG74LS09
    - ECG74S09
- **AND/OR/Invert Gates**
  - **2-Wide 4-Input**
    - ECG74LS55
  - **Dual 2-Wide 2-Input**
    - ECG7451
    - ECG74H51
    - ECG74S51
  - **Dual 2-Wide 2-2-3-2-Input**
    - ECG74LS51
  - **4-Wide 2-Input**
    - ECG7454
  - **4-Wide 2-2-3-2-Input**
    - ECG74H54
  - **4-Wide 3-2-2-3-Input**
    - ECG74LS54
  - **4-Wide 4-2-3-2-Input**
    - ECG74S64
- **AND/OR/Invert Gates with Open Collector Output**
  - **4-Wide 4-2-3-2-Input**
    - ECG74S65
- **Arithmetic & Logic Function Devices**
  - **Adders**
    - **1-Bit**
      - ECG7480
    - **2-Bit**
      - ECG7482
    - **4-Bit**
      - ECG7483
      - ECG74LS83A
      - ECG74LS283
    - **Dual Carry/Save**
      - ECG74H183
    - **Look-Ahead Carry-Generator**
      - ECG74182
    - **True/Complement Zero/One Element**
      - ECG74H87
  - **4-Bit Arithmetic Logic Unit/Function Generator**
    - ECG74181
    - ECG74LS181
    - ECG74S181
  - **4-Bit Magnitude Comparator**
    - ECG7485
    - ECG74C85
    - ECG74LS85
  - **4 x 4 Register Files**
    - ECG74170
    - ECG74LS170
    - ECG74LS670
  - **6-Bit Binary Rate Multiplier**
    - ECG7497
  - **9-Bit Parity Generator/Checker**
    - ECG74180
    - ECG74LS280
- **Buffer Gates**
  - **Quad 2-Input NAND**
    - ECG7437
    - ECG74LS37
  - **Quad 2-Input NOR**
    - ECG7428
    - ECG74LS28
  - **Dual 4-Input NAND**
    - ECG7440
    - ECG74H40
    - ECG74LS40
    - ECG74S40
- **Buffer Gates with Open Collector Output**
  - **Hex**
    - ECG7406
    - ECG7407
    - ECG7416
    - ECG7417
  - **Quad**
    - ECG74125
    - ECG74LS125A
    - ECG74126
    - ECG74LS126
  - **Quad 2-Input NAND**
    - ECG7438
    - ECG74LS38
    - ECG7439
  - **Quad 2-Input NOR**
    - ECG7433
    - ECG74LS33
- **Buffers/Drivers**
  - **Hex Inverting**
    - ECG7406
    - ECG7416
    - ECG80C96
  - **Hex Non-Inverting**
    - ECG7407
    - ECG7417
    - ECG80C95
    - ECG80C97
  - **Octal Inverting**
    - ECG74C240
    - ECG74LS240
    - ECG74LS540
  - **Octal Non-Inverting**
    - ECG74LS241
    - ECG74C244
    - ECG74LS244
    - ECG74LS541
- **Bus Drivers**
  - **Hex Inverting**
    - ECG74366
    - ECG74LS366A
    - ECG74368
    - ECG74LS368
    - ECG80C96
  - **Hex Non-Inverting**
    - ECG74365
    - ECG74LS365A
    - ECG74367
    - ECG74LS367
    - ECG80C95
    - ECG80C97
- **Bus Transceivers**
  - **Octal Inverting**
    - ECG74LS640
    - ECG74LS642
  - **Octal Inverting/Non-Inverting**
    - ECG74LS643
  - **Octal Non-Inverting**
    - ECG74LS245
    - ECG74LS641
    - ECG74LS645
  - **Quad Inverting**
    - ECG74LS242
  - **Quad Non-Inverting**
    - ECG74LS243
- **Counters, Asynchronous**
  - **Decade**
    - ECG7490
    - ECG74C90
    - ECG74LS90
    - ECG74290
    - ECG74LS290
  - **Dual Decade**
    - ECG74390
    - ECG74LS390
    - ECG74490
    - ECG74LS490
  - **4-Bit Binary**
    - ECG7493A
    - ECG74C93
    - ECG74L93
    - ECG74LS93
    - ECG74293
    - ECG74LS293
  - **Dual 4-Bit Binary**
    - ECG74393
    - ECG74LS393
  - **Divide-By-N**
    - ECG8520
  - **Divide-By-12**
    - ECG7492
    - ECG74LS92
- **Counters, Synchronous**
  - **Decade**
    - ECG74160
    - ECG74LS160A
    - ECG74162
    - ECG74LS162A
    - ECG8555

TTL Selector Guide (cont'd)

4-Bit Binary
ECG74161
ECG74C161
ECG74LS161A
ECG74163
ECG74LS163A
ECG8316
ECG8556
ECG93L16

- **Counters, Up/Down**

Decade
ECG74LS168A
ECG74190
ECG74LS190
ECG74192
ECG74C192
ECG74LS192

4-Bit Binary
ECG74LS169A
ECG74191
ECG74LS191
ECG74193
ECG74C193
ECG74LS193

- **Counter/Latch**

Decade
ECG74176
ECG74196
ECG74LS196
ECG8552

4-Bit Binary
ECG74177
ECG74197
ECG74LS197
ECG8554

- **Counters with Decoder/Drivers**

4-Bit Counters with 7-Segment Output
ECG74142
ECG74143
ECG74144

4-Digit with Multiplexed 7-Segment Output
ECG74C925

- **Data Selectors/Multiplexers**

Dual 4-Line-to-1-Line
ECG74153
ECG74LS153
ECG74S153
ECG74LS253
ECG74LS352
ECG74LS353
ECG8309

Quad 2-Line-to-1-Line
ECG74157
ECG74C157
ECG74LS157
ECG74S157
ECG74158
ECG74LS158
ECG74S158
ECG74LS257
ECG74LS258
ECG74S258
ECG8123
ECG8233

Quad 2-Line-to-1-Line with Storage
ECG74LS298
ECG74LS398
ECG74LS399

Quad 2-Line-to-1-Line (Open Collector)
ECG8234
ECG8235
ECG8266

8-Line-to-1-Line
ECG74151
ECG74C151
ECG74LS151
ECG74S151
ECG74152
ECG74251
ECG74LS251
ECG74S251

16-Line-to-1-Line
ECG74150
ECG8219

- **Decoders, 4-Line-to-10-Line**

BCD-to-Decimal
ECG7442
ECG74C42
ECG74LS42
ECG8301

Excess-3-to-Decimal
ECG7443

Excess-3-Gray-to-Decimal
ECG7444

- **Decoder/Demultiplexers**

Dual-2-Line-to-4-Line
ECG74LS139
ECG74155
ECG74LS155
ECG8321

Dual 2-Line-to-4-Line (Open Collector)
ECG74156
ECG74LS156

4-Line-to-16-Line
ECG74154
ECG74C154

3-Line-to-8-Line
ECG74LS138
ECG74S138

- **Display Decoder/Drivers**

BCD-to-Decimal - Drives Cold Cathode Tubes
ECG74141

BCD-to-Decimal - Drives Gas Filled Tubes
ECG7441

BCD-to-Decimal (Open Collector)
ECG7445
ECG74145
ECG74LS145

BCD-to-7-Segment (Open Collector)
ECG7446
ECG7447
ECG74LS47
ECG74LS49
ECG74LS247
ECG74249
ECG74LS249

BCD-to-7-Segment
ECG7448
ECG74C48
ECG74LS48
ECG74LS248

- **Display Decoder/Drivers with Input Latches**

Hexadecimal-to-7-Segment - Drives Common Anode LED
ECG8374

Hexadecimal-to-7-Segment - Drives Common Cathode LED
ECG8368

Hexadecimal-to-7-Segment - Open Collector Output
ECG8370

- **Display Decoder/Driver with Counter**

BCD-to-Decimal - Drives Gas Filled Tubes
ECG74142

BCD-to-7-Segment - Drives Common Cathode LED
ECG74143

BCD-to-7-Segment - Open Collector Output
ECG74144

4-Digit Counter with Multiplexed 7-Segment Output
ECG74C925

- **Encoders**

Keyboard Encoders
ECG74C922
ECG74C923

8-Line-to-3-Line - Octal Priority Encoder
ECG74LS148
ECG74LS348
ECG8318

10-Line-to-4-Line - Decimal-to-BCD Priority Encoder
ECG74147
ECG74LS147

- **Exclusive OR Gates**

Quad 2-Input
ECG7486
ECG74H86
ECG74LS86
ECG74S86
ECG74LS386

- **Exclusive OR Gates with Open Collector Output**

Quad 2-Input
ECG74136
ECG74LS136

- **Exclusive NOR Gates with Open Collector Output**

Quad 2-Input
ECG74LS266

- **Expandable Gates**

Dual 2-Wide 2-Input AND/OR/Invert
ECG7450
ECG74H50

Dual 4-Input NOR
ECG7423

2-Wide 4-Input AND/OR/Invert
ECG74H55

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TTL Selector Guide (cont'd)

4-Wide 2-Input AND/OR/Invert
ECG7453

4-Wide 2-2-3-2-Input AND/OR/Invert
ECG74H52
ECG74H53

- **Expandable AND/OR/Invert Gates**

Dual 2-Wide 2-Input
ECG7450
ECG74H50

2-Wide 4-Input
ECG74H55

4-Wide 2-Input
ECG7453

4-Wide 2-2-3-2-Input
ECG74H52
ECG74H53

- **Expander Gates**

Dual 4-Input
ECG7460
ECG74H60

Triple 3-Input
ECG74H61

4-Wide 2-3-3-2-Input
ECG74H62

- **Flip-Flops, Master-Slave (M-S) Types**

Dual J-K
ECG7473
ECG74H73
ECG7476
ECG74H76
ECG74H78
ECG74107
ECG74111

Gated J-K
ECG74H71
ECG7472
ECG74H72
ECG74110

- **Flip-Flops, J-K Edge Triggered Types**

Dual J-K Negative Edge Triggered
ECG74C73
ECG74LS73
ECG74C76
ECG74LS76A
ECG74LS78
ECG74H103
ECG74H106
ECG74C107
ECG74LS107
ECG74H108
ECG74LS112A
ECG74S112
ECG74LS113
ECG74S113
ECG74LS114
ECG74S114

Dual J-K Positive Edge Triggered
ECG74109
ECG74LS109A

Gated J-K Positive Edge Triggered
ECG7470

Gated J-K Negative Edge Triggered
ECG74H101
ECG74H102

- **Flip-Flops, "D" Types**

Dual
ECG7474
ECG74C74
ECG74H74
ECG74LS74A
ECG74S74

Hex
ECG74174
ECG74C174
ECG74LS174
ECG74S174
ECG74LS378

Octal
ECG74LS273
ECG74LS364
ECG74C374
ECG74LS374
ECG74LS377

Quad
ECG74175
ECG74C175
ECG74LS175
ECG74S175
ECG74LS379
ECG8613

- **Interface Gates, Hi-Voltage with Open Collector Output**

Hex Inverting
ECG7406
ECG7416

Hex Non-Inverting
ECG7407
ECG7417

Quad 2-Input NAND
ECG7426
ECG74LS26

- **Interface Buffers, Level Shifting**

Hex Inverting
ECG74C901
ECG74C903

Hex Non-Inverting
ECG74C902
ECG74C904

- **Inverters**

Hex
ECG7404
ECG74C04
ECG74H04
ECG74LS04
ECG74S04

- **Inverters with Open Collector Output**

Hex
ECG7405
ECG74H05
ECG74LS05
ECG74S05
ECG7406
ECG7416

- **Latches**

Dual 4-Bit
ECG8308
ECG93L08

Octal "D"
ECG74LS363
ECG74C373
ECG74LS373

Quad $\overline{S}$ - $\overline{R}$
ECG74LS279

Quad Latch
ECG8314

4-Bit Bistable
ECG7475
ECG74LS75
ECG74LS77

8-Bit Addressable
ECG74LS259

- **Level Shifters (See Interface Buffers)**
- **Line Drivers and Receivers**

Dual 4-Input NAND 50 Ohm Line Driver
ECG74S140

Dual Differential Line Receiver
ECG9615

Octal Inverting Line Driver/Receiver
ECG74C240
ECG74LS240
ECG74LS540

Octal Non-Inverting Line Driver/Receiver
ECG74LS241
ECG74C244
ECG74LS244
ECG74LS541

Quad 2-Input NOR 50 Ohm Line Driver
ECG74128

- **Multiplexers (See Data Selectors)**
- **Multivibrators, Monostable (One Shots)**

Monostable
ECG74121

Retriggerable/Resettable Monostable
ECG9600

Dual Retriggerable/Resettable Monostable
ECG8853
ECG9602
ECG96L02
ECG96LS02
ECG96S02

Retriggerable Monostable
ECG74122
ECG74LS122
ECG74221
ECG74C221
ECG74LS221
ECG9601

Dual Retriggerable Monostable
ECG74123
ECG74LS123

TTL Selector Guide (cont'd)

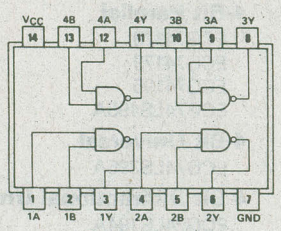
- **NAND Gates**
  - **Quad 2-Input**
    - ECG7400
    - ECG74C00
    - ECG74H00
    - ECG74LS00
    - ECG74S00
    - ECG7437
    - ECG74LS37
  - **Triple 3-Input**
    - ECG7410
    - ECG74C10
    - ECG74H10
    - ECG74LS10
    - ECG74S10
  - **Dual 4-Input**
    - ECG7420
    - ECG74C20
    - ECG74H20
    - ECG74LS20
    - ECG74S20
    - ECG7440
    - ECG74H40
    - ECG74LS40
    - ECG74S40
  - **Dual 5-Input**
    - ECG8092
  - **8-Input**
    - ECG7430
    - ECG74C30
    - ECG74H30
    - ECG74LS30
    - ECG74S30
  - **12-Input**
    - ECG74S134
  - **13-Input**
    - ECG74LS133
    - ECG74S133
- **NAND Gates with Open Collector Output**
  - **Quad 2-Input**
    - ECG7401
    - ECG74H01
    - ECG74LS01
    - ECG7403
    - ECG74LS03
    - ECG74S03
    - ECG7426
    - ECG74LS26
    - ECG7438
    - ECG74LS38
    - ECG7439
  - **Triple 3-Input**
    - ECG7412
    - ECG74LS12
  - **Dual 4-Input**
    - ECG7422
    - ECG74H22
    - ECG74LS22
    - ECG74S22
- **NOR Gates**
  - **Quad 2-Input**
    - ECG7402
    - ECG74C02
    - ECG74LS02
    - ECG74S02
    - ECG7428
    - ECG74LS28
  - **Triple 3-Input**
    - ECG7427
    - ECG74LS27
  - **Dual 4-Input**
    - ECG7425
  - **Dual 5-Input**
    - ECG74LS260
  - **Expandable Dual 4-Input**
    - ECG7423
- **NOR Gates with Open Collector Output**
  - **Quad 2-Input**
    - ECG7433
    - ECG74LS33
- **OR Gates**
  - **Quad 2-Input**
    - ECG7432
    - ECG74C32
    - ECG74LS32
- **Registers**
  - **Quad I/O**
    - ECG8542
  - **4-Bit "D"**
    - ECG74173
    - ECG74C173
    - ECG74LS173
- **Schmitt Triggers**
  - **Dual 4-Input NAND**
    - ECG7413
    - ECG74LS13
  - **Hex Inverter**
    - ECG7414
    - ECG74C14
    - ECG74LS14
  - **Quad 2-Input NAND**
    - ECG74132
    - ECG74LS132
- **Shift Registers**
  - **4-Bit Parallel-In/Serial Out**
    - ECG7494
  - **4-Bit Parallel**
    - ECG74178
    - ECG74179
    - ECG74195
    - ECG74LS195A
  - **4-Bit Universal**
    - ECG74LS395A
  - **4-Bit Bidirectional Universal**
    - ECG74LS194A
    - ECG74S194
    - ECG74LS295A
  - **4-Bit Bidirectional Parallel**
    - ECG7495
    - ECG74C95
    - ECG74LS95B
  - **5-Bit Serial-In/Parallel-Out or Parallel-In/Serial-Out**
    - ECG7496
  - **8-Bit Serial**
    - ECG7491
    - ECG74LS91
  - **8-Bit Serial-In/Parallel-Out**
    - ECG74164
    - ECG74C164
    - ECG74LS164
  - **8-Bit Parallel-In/Serial-Out**
    - ECG74165
    - ECG74LS165
  - **8-Bit Universal**
    - ECG74199
  - **8-Bit Bidirectional Universal**
    - ECG74198
    - ECG74LS299
  - **8-Bit Serial or Parallel-In/ Parallel-Out**
    - ECG74166
    - ECG74LS166
  - **Dual 8-Bit Serial**
    - ECG8328
- **Voltage Controlled Oscillators (VCO)**
  - **Single**
    - ECG74LS624
  - **Dual**
    - ECG74S124
    - ECG74LS625
    - ECG74LS626
    - ECG74LS627
    - ECG74LS629

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TTL Logic Diagrams (V_{CC} = +5 V Nom.)

Diag. 1 — 14-Pin DIP See Fig. D6

ECG7400, ECG74C00, ECG74H00, ECG74LS00, ECG74S00

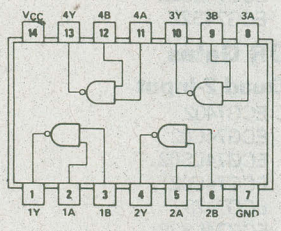


Quad 2-Input NAND Gate

Diag. 2 — 14-Pin DIP See Fig. D6

(See Also Diag. 3)

ECG7401, ECG74LS01

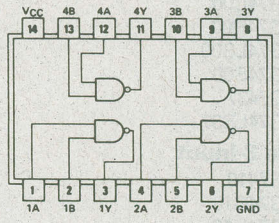


Quad 2-Input NAND Gate with Open Collector Output

Diag. 3 — 14-Pin DIP See Fig. D6

(See Also Diag. 2)

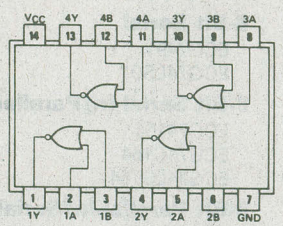
ECG74H01



Quad 2-Input NAND Gate with Open Collector Output

Diag. 4 — 14-Pin DIP See Fig. D6

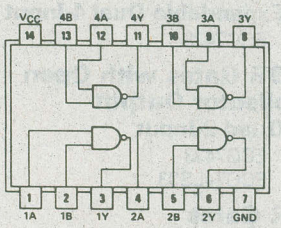
ECG7402, ECG74C02, ECG74LS02, ECG74S02



Quad 2-Input NOR Gate

Diag. 5 — 14-Pin DIP See Fig. D6

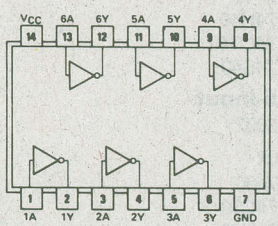
ECG7403, ECG74LS03, ECG74S03



Quad 2-Input NAND Gate with Open Collector Output

Diag. 6 — 14-Pin DIP See Fig. D6

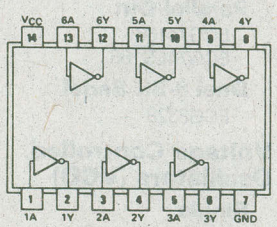
ECG7404, ECG74C04, ECG74H04, ECG74LS04, ECG74S04



Hex Inverter

Diag. 7 — 14-Pin DIP See Fig. D6

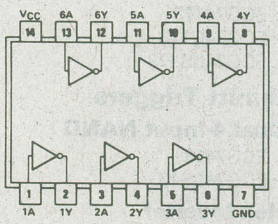
ECG7405, ECG74H05, ECG74LS05, ECG74S05



Hex Inverter with Open Collector Output

Diag. 8 — 14-Pin DIP See Fig. D6

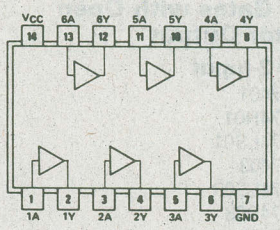
ECG7406



Hex Inverter/Buffer with Hi-Volt (30 V) Open Collector Output

Diag. 9 — 14-Pin DIP See Fig. D6

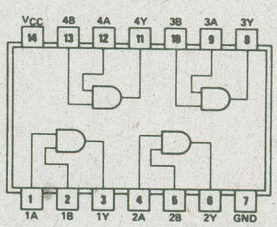
ECG7407



Hex Buffer with Hi-Volt (30 V) Open Collector Output

Diag. 10 — 14-Pin DIP See Fig. D6

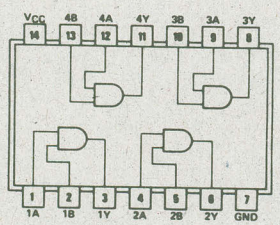
ECG7408, ECG74C08, ECG74H08, ECG74LS08, ECG74S08



Quad 2-Input AND Gate

Diag. 11 — 14-Pin DIP See Fig. D6

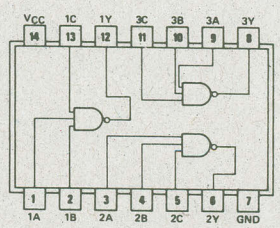
ECG7409, ECG74LS09, ECG74S09



Quad 2-Input AND Gate with Open Collector Output

Diag. 12 — 14-Pin DIP See Fig. D6

ECG7410, ECG74C10, ECG74H10, ECG74LS10, ECG74S10

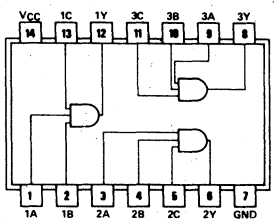


Triple 3-Input NAND Gate

Package Outlines - See Page 1-379

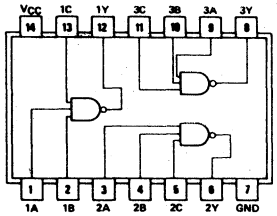
TTL Logic Diagrams (cont'd)

Diag. 13 — 14-Pin DIP See Fig. D6
ECG7411, ECG74H11, ECG74LS11, ECG74S11



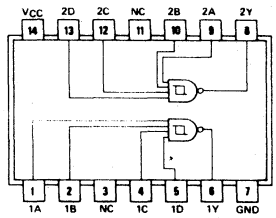
Triple 3-Input AND Gate

Diag. 14 — 14-Pin DIP See Fig. D6
ECG7412, ECG74LS12



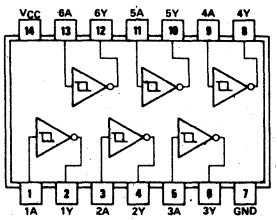
Triple 3-Input NAND Gate with Open Collector Output

Diag. 15 — 14-Pin DIP See Fig. D6
ECG7413, ECG74LS13



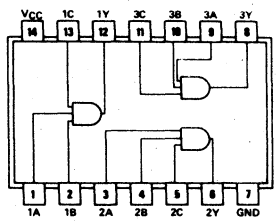
Dual 4-Input NAND Schmitt Trigger

Diag. 16 — 14-Pin DIP See Fig. D6
ECG7414, ECG74C14, ECG74LS14



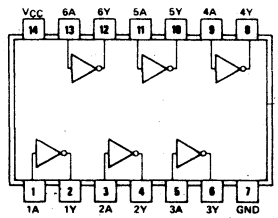
Hex Schmitt Trigger Inverter

Diag. 17 — 14-Pin DIP See Fig. D6
ECG74LS15, ECG74S15



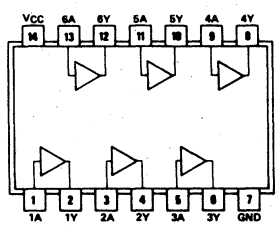
Triple 3-Input AND Gate with Open Collector Output

Diag. 18 — 14-Pin DIP See Fig. D6
ECG7416



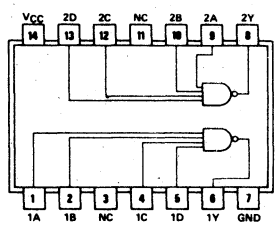
Hex Inverter/Buffer with Hi-Volt (15 V) Open Collector Output

Diag. 19 — 14-Pin DIP See Fig. D6
ECG7417



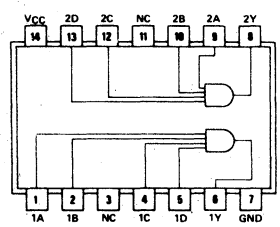
Hex Buffer with Hi-Volt (15 V) Open Collector Output

Diag. 20 — 14-Pin DIP See Fig. D6
ECG7420, ECG74C20, ECG74H20, ECG74LS20, ECG74S20



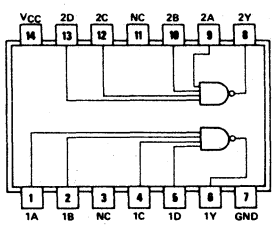
Dual 4-Input NAND Gate

Diag. 21 — 14-Pin DIP See Fig. D6
ECG7421, ECG74H21, ECG74LS21



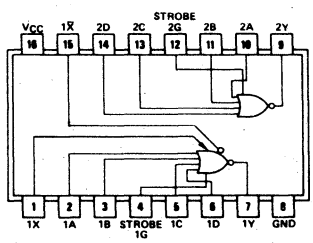
Dual 4-Input AND Gate

Diag. 22 — 14-Pin DIP See Fig. D6
ECG7422, ECG74H22, ECG74LS22, ECG74S22



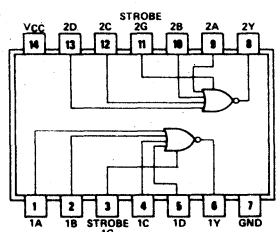
Dual 4-Input NAND Gate with Open Collector Output

Diag. 23 — 16-Pin DIP See Fig. D8
ECG7423



Expandable Dual 4-Input NOR Gate with Strobe

Diag. 24 — 14-Pin DIP See Fig. D6
ECG7425



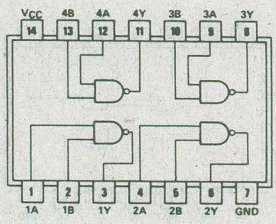
Dual 4-Input NOR Gate with Strobe

Package Outlines - See Page 1-379

TTL Logic Diagrams (cont'd)

Diag. 25 — 14-Pin DIP See Fig. D6

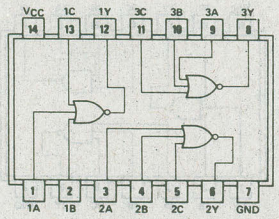
ECG7426, ECG74LS26



Quad 2-Input Hi-Volt Interface NAND Gate with Open Collector Output

Diag. 26 — 14-Pin DIP See Fig. D6

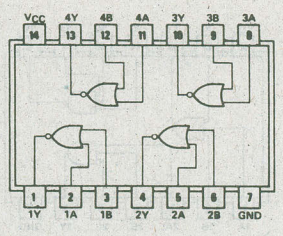
ECG7427, ECG74LS27



Triple 3-Input NOR Gate

Diag. 27 — 14-Pin DIP See Fig. D6

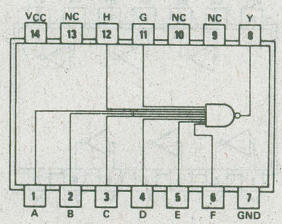
ECG7428, ECG74LS28



Quad 2-Input NOR Buffer

Diag. 28 — 14-Pin DIP See Fig. D6

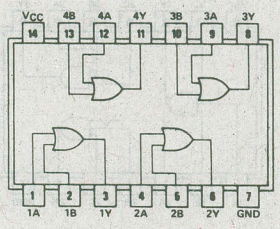
ECG7430, ECG74C30, ECG74H30, ECG74LS30, ECG74S30



8-Input NAND Gate

Diag. 29 — 14-Pin DIP See Fig. D6

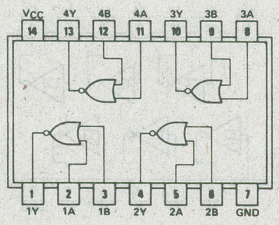
ECG7432, ECG74C32, ECG74LS32



Quad 2-Input OR Gate

Diag. 30 — 14-Pin DIP See Fig. D6

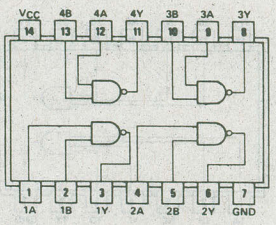
ECG7433, ECG74LS33



Quad 2-Input NOR Buffer with Open Collector Output

Diag. 31 — 14-Pin DIP See Fig. D6

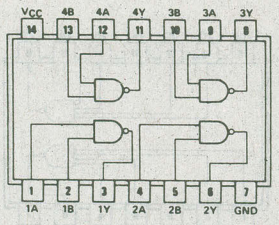
ECG7437, ECG74LS37



Quad 2-Input NAND Buffer

Diag. 32 — 14-Pin DIP See Fig. D6

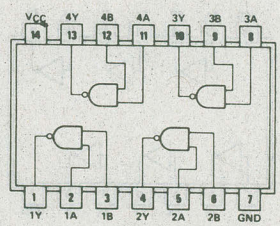
ECG7438, ECG74LS38



Quad 2-Input NAND Buffer with Open Collector Output

Diag. 33 — 14-Pin DIP See Fig. D6

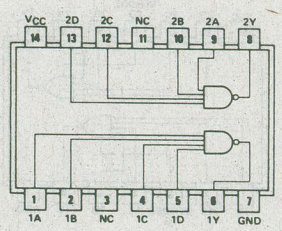
ECG7439



Quad 2-Input NAND Buffer with Open Collector Output

Diag. 34 — 14-Pin DIP See Fig. D6

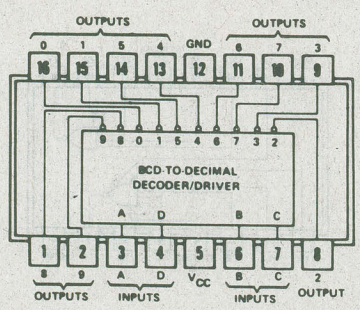
ECG7440, ECG74H40, ECG74LS40, ECG74S40



Dual 4-Input NAND Buffer

Diag. 35 — 16-Pin DIP See Fig. D8

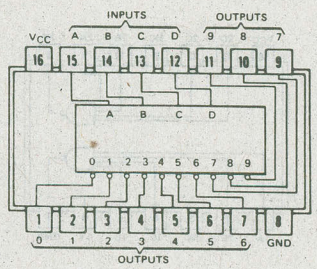
ECG7441



BCD-to-Decimal Decoder/Driver for Gas Filled Tubes

Diag. 36 — 16-Pin DIP See Fig. D8

ECG7442, ECG74C42, ECG74LS42

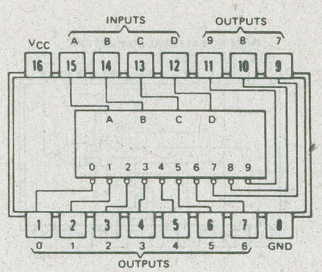


BCD-to-Decimal Decoder

Package Outlines - See Page 1-379

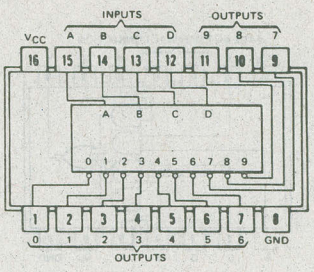
TTL Logic Diagrams (cont'd)

Diag. 37 16-Pin DIP See Fig. D8
ECG7443



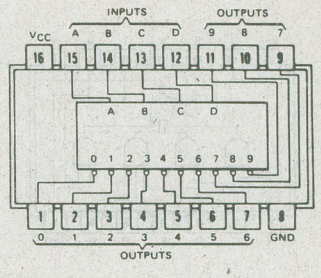
Excess-3-to-Decimal Decoder

Diag. 38 16-Pin DIP See Fig. D8
ECG7444



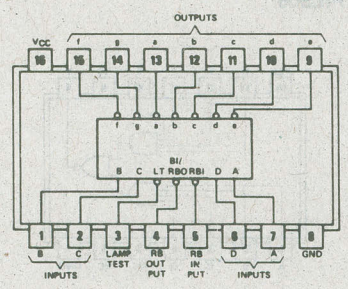
Excess-3-Gray-to-Decimal Decoder

Diag. 39 16-Pin DIP See Fig. D8
ECG7445



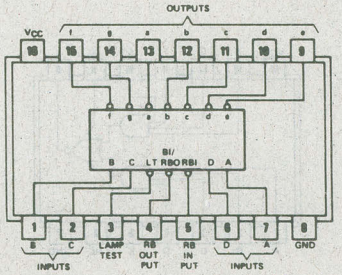
BCD-to-Decimal Decoder/Driver with Open Collector Output

Diag. 40 16-Pin DIP See Fig. D8
ECG7446



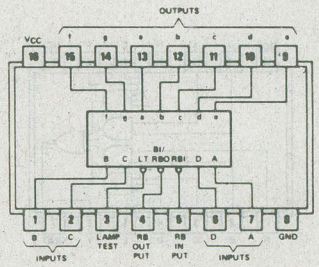
BCD-to-7-Segment Decoder/Driver with Hi-Volt (30 V) Open Collector Output

Diag. 41 16-Pin DIP See Fig. D8
ECG7447, ECG74LS47



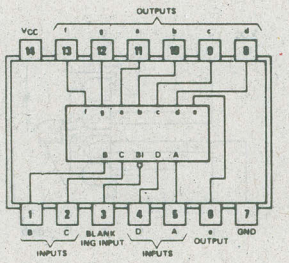
BCD-to-7-Segment Decoder/Driver with Hi-Volt (15 V) Open Collector Output

Diag. 42 16-Pin DIP See Fig. D8
ECG7448, ECG74C48, ECG74LS48



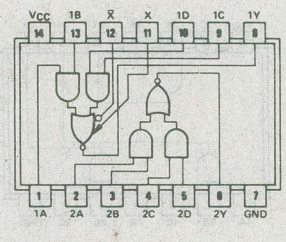
BCD-to-7-Segment Decoder/Driver

Diag. 43 14-Pin DIP See Fig. D6
ECG74LS49



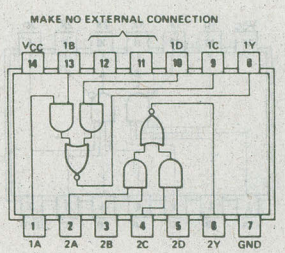
BCD-to-7-Segment Decoder/Driver with Open Collector Output

Diag. 44 14-Pin DIP See Fig. D6
ECG7450, ECG74H50



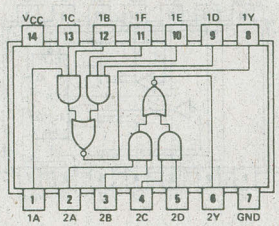
Dual 2-Wide 2-Input AND/OR/Invert Gate (One Gate Expandable)

Diag. 45 14-Pin DIP See Fig. D6
(See also Diag. 46)
ECG7451, ECG74H51, ECG74S51



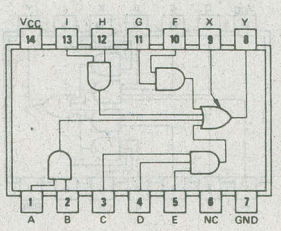
Dual 2-Wide 2-Input AND/OR/Invert Gate

Diag. 46 14-Pin DIP See Fig. D6
(See also Diag. 45)
ECG74LS51



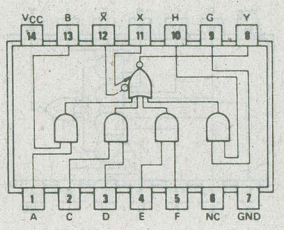
Dual 2-Wide 2-Input, 2-Wide 3-Input AND/OR/Invert Gate

Diag. 47 14-Pin DIP See Fig. D6
ECG74H52



Expandable 4-Wide 2-Input 2-3-2-2 Input AND/OR Gate

Diag. 48 14-Pin DIP See Fig. D6
(See also Diag. 49)
ECG7453

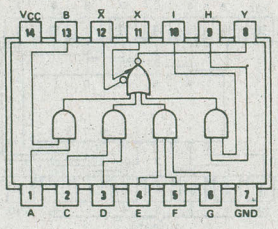


Expandable 4-Wide 2-Input AND/OR/Invert Gate

Package Outlines - See Page 1-379

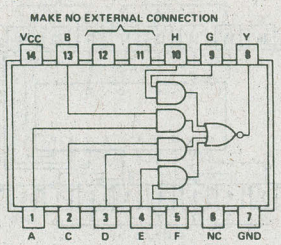
TTL Logic Diagrams (cont'd)

Diag. 49 — 14-Pin DIP See Fig. D6
(See also Diag. 48)
ECG74H53



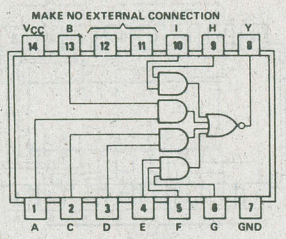
Expandable 4-Wide 2-2-3-2 Input AND/OR/Invert Gate

Diag. 50 — 14-Pin DIP See Fig. D6
(See also Diag. 51 and 52)
ECG7454



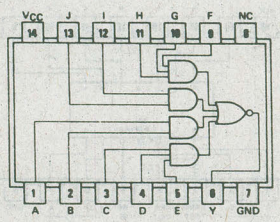
4-Wide 2-Input AND/OR/Invert Gate

Diag. 51 — 14-Pin DIP See Fig. D6
(See also Diag. 50 and 52)
ECG74H54



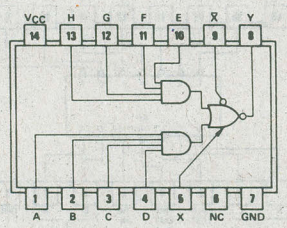
4-Wide 2-2-2-3 Input AND/OR/Invert Gate

Diag. 52 — 14-Pin DIP See Fig. D6
(See also Diag. 50 and 51)
ECG74LS54



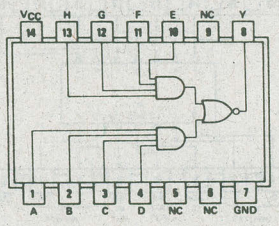
4-Wide 3-2-2-3 Input AND/OR/Invert Gate

Diag. 53 — 14-Pin DIP See Fig. D6
(See also Diag. 54)
ECG74H55



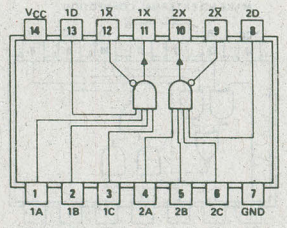
Expandable 2-Wide 4-Input AND/OR/Invert Gate

Diag. 54 — 14-Pin DIP See Fig. D6
(See also Diag. 53)
ECG74LS55



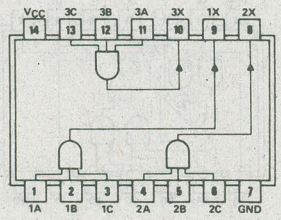
2-Wide 4-Input AND/OR/Invert Gate

Diag. 55 — 14-Pin DIP See Fig. D6
ECG7460, ECG74H60



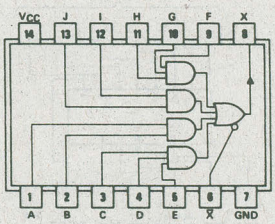
Dual 4-Input Expander

Diag. 56 — 14-Pin DIP See Fig. D6
ECG74H61



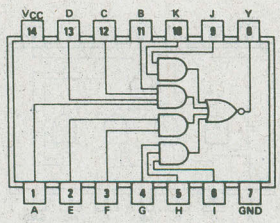
Triple 3-Input Expander

Diag. 57 — 14-Pin DIP See Fig. D6
ECG74H62



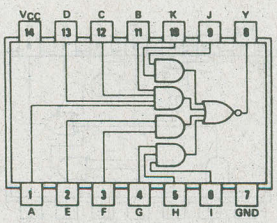
4-Wide 3-2-2-3 Input AND/OR Expander

Diag. 58 — 14-Pin DIP See Fig. D6
ECG74S64



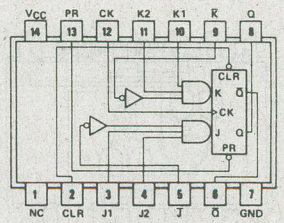
4-Wide 4-2-3-2 Input AND/OR/Invert Gate

Diag. 59 — 14-Pin DIP See Fig. D6
ECG74S65



4-Wide 4-2-3-2 Input AND/OR/Invert Gate with Open Collector Output

Diag. 60 — 14-Pin DIP See Fig. D6
ECG7470



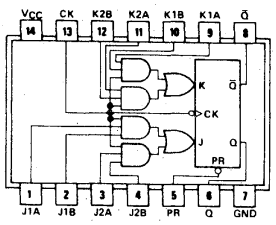
Gated J-K Positive Edge Triggered Flip-Flop with Preset and Clear

Package Outlines - See Page 1-379

TTL Logic Diagrams (cont'd)

Diag. 61 — 14-Pin DIP See Fig. D6

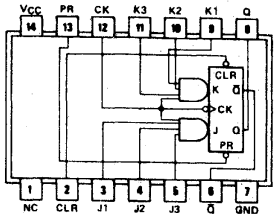
ECG74H71



Gated J-K M/S Flip-Flop with Preset

Diag. 62 — 14-Pin DIP See Fig. D6

ECG7472, ECG74H72

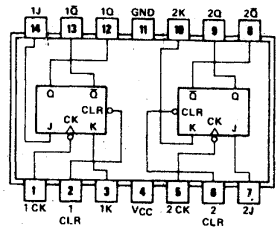


Gated J-K M/S Flip-Flop with Preset and Clear

Diag. 63 — 14-Pin DIP See Fig. D6

(See also Diag. 64)

ECG7473, ECG74H73

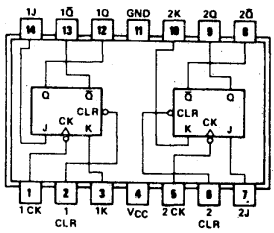


Dual J-K M/S Flip-Flop with Clear

Diag. 64 — 14-Pin DIP See Fig. D6

(See also Diag. 63)

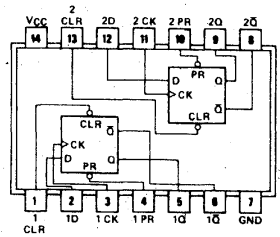
ECG74C73, ECG74LS73



Dual J-K Negative Edge Triggered Flip-Flop with Clear

Diag. 65 — 14-Pin DIP See Fig. D6

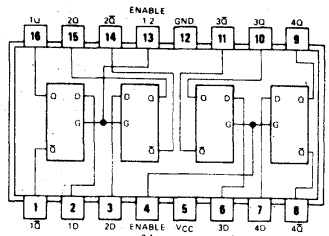
ECG7474, ECG74C74, ECG74H74, ECG74LS74A, ECG74S74



Dual "D" Flip-Flop with Preset and Clear

Diag. 66 — 16-Pin DIP See Fig. D8

ECG7475, ECG74LS75

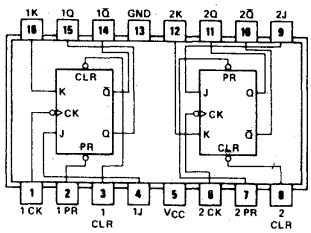


4-Bit Bistable Latch with Complementary Outputs

Diag. 67 — 16-Pin DIP See Fig. D8

(See also Diag. 68)

ECG7476, ECG74H76

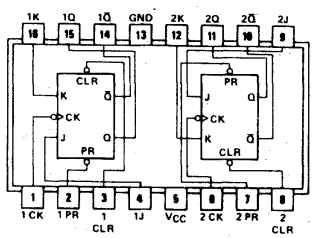


Dual J-K M/S Flip-Flop with Preset and Clear

Diag. 68 — 16-Pin DIP See Fig. D8

(See also Diag. 67)

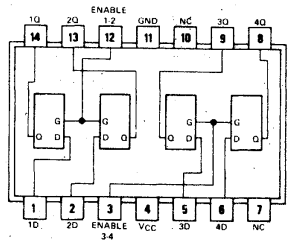
ECG74C76, ECG74LS76A



Dual J-K Negative Edge Triggered Flip-Flop with Preset and Clear

Diag. 69 — 14-Pin DIP See Fig. D6

ECG74LS77

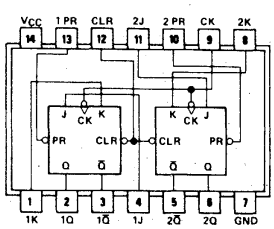


4-Bit Bistable Latch

Diag. 70 — 14-Pin DIP See Fig. D6

(See also Diag. 71)

ECG74H78

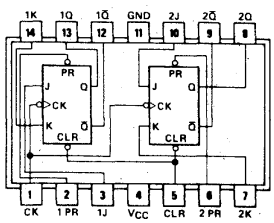


Dual J-K M/S Flip-Flop with Presets and a Common Clock and Clear

Diag. 71 — 14-Pin DIP See Fig. D6

(See also Diag. 70)

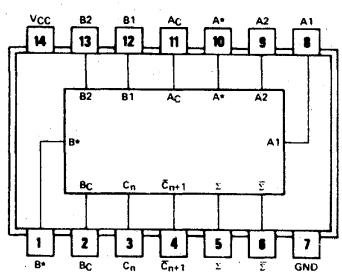
ECG74LS78



Dual J-K Negative Edge Triggered Flip-Flop with Presets and a Common Clock and Clear

Diag. 72 — 14-Pin DIP See Fig. D6

ECG7480

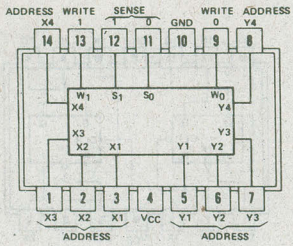


Gated Full Adder with Complementary Sum Outputs

Package Outlines - See Page 1-379

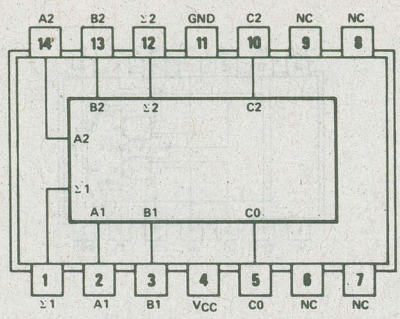
TTL Logic Diagrams (cont'd)

Diag. 73 — 14-Pin DIP See Fig. D6
ECG7481



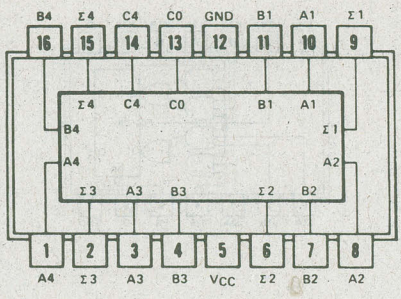
16-Bit RAM (16x1)

Diag. 74 — 14-Pin DIP See Fig. D6
ECG7482



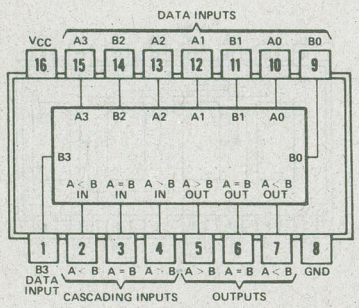
2-Bit Binary Full Adder

Diag. 75 — 16-Pin DIP See Fig. D8
ECG7483, ECG74LS83A



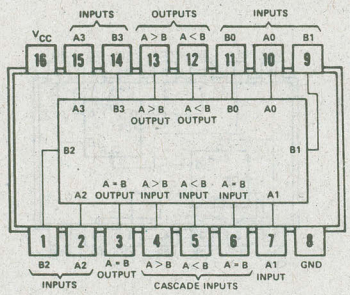
4-Bit Full Adder

Diag. 76 — 16-Pin DIP See Fig. D8
ECG7485, ECG74LS85



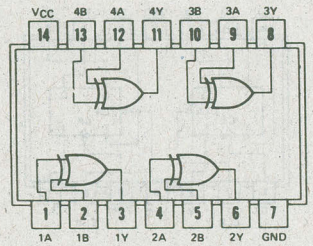
4-Bit Magnitude Comparator

Diag. 77 — 16-Pin DIP See Fig. D8
ECG74C85



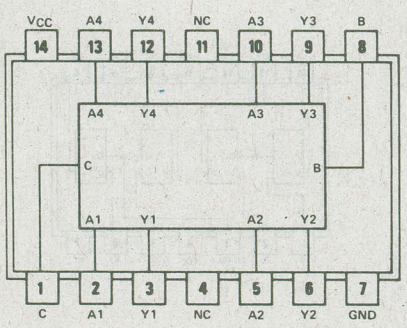
4-Bit Magnitude Comparator

Diag. 78 — 14-Pin DIP See Fig. D6
ECG7486, ECG74H86, ECG74LS86, ECG74S86



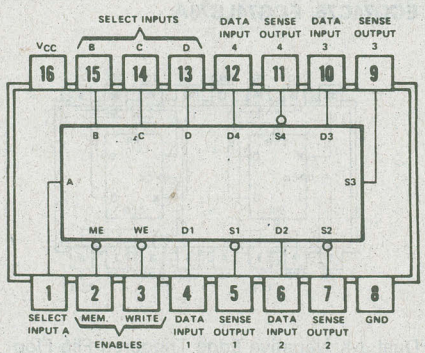
Quad Exclusive OR Gate

Diag. 79 — 14-Pin DIP See Fig. D6
ECG74H87



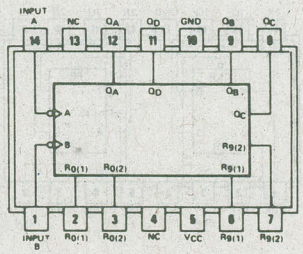
4-Bit True/Complement Zero/One Element

Diag. 80 — 16-Pin DIP See Fig. D8
ECG7489



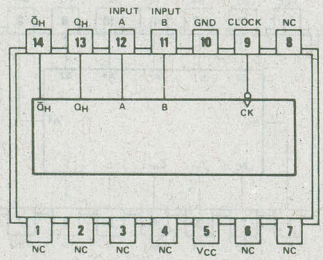
64-Bit RAM (16 x 4)

Diag. 81 — 14-Pin DIP See Fig. D6
ECG7490, ECG74C90, ECG74LS90



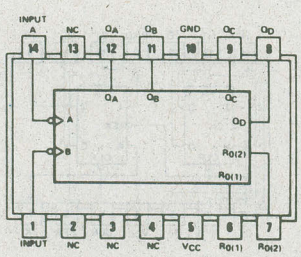
Decade Counter

Diag. 82 — 14-Pin DIP See Fig. D6
ECG7491, ECG74LS91



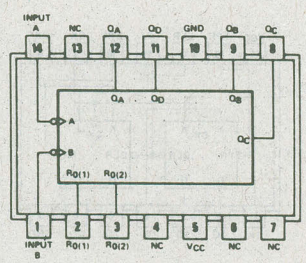
8-Bit Serial Shift Register

Diag. 83 — 14-Pin DIP See Fig. D6
ECG7492, ECG74LS92



Divide-by-12 Counter

Diag. 84 — 14-Pin DIP See Fig. D6
ECG7493A, ECG74LS93

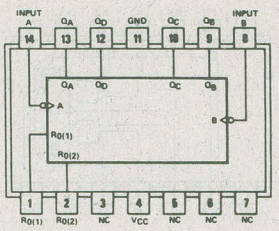


4-Bit Binary Counter

Package Outlines - See Page 1-379

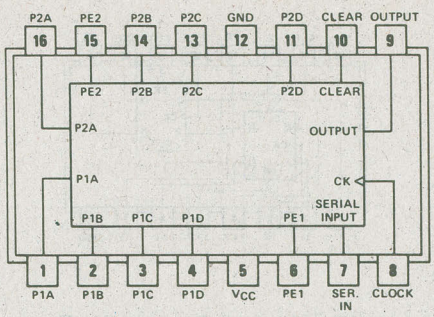
TTL Logic Diagrams (cont'd)

Diag. 85 — 14-Pin DIP See Fig. D6
ECG74C93, ECG74L93



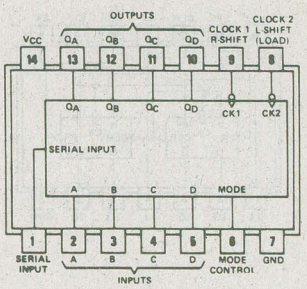
4-Bit Binary Counter

Diag. 86 — 16-Pin DIP See Fig. D8
ECG7494



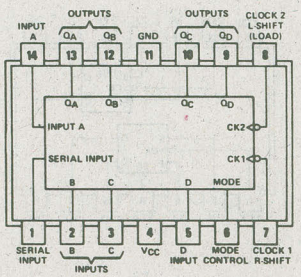
4-Bit Serial or Parallel Shift Register

Diag. 87 — 14-Pin DIP See Fig. D6
(See also Diag. 88)
ECG7495, ECG74LS95



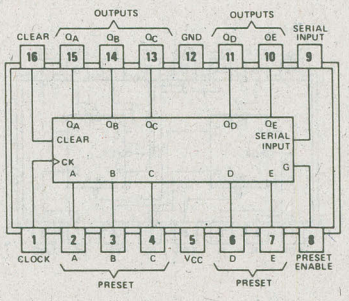
4-Bit Bidirectional Parallel Shift Register

Diag. 88 — 14-Pin DIP See Fig. D6
(See also Diag. 87)
ECG74C95



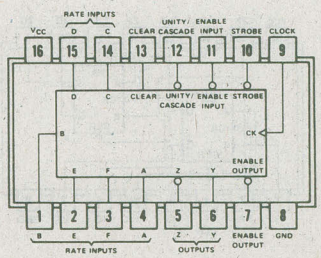
4-Bit Bidirectional Parallel Shift Register

Diag. 89 — 16-Pin DIP See Fig. D8
ECG7496



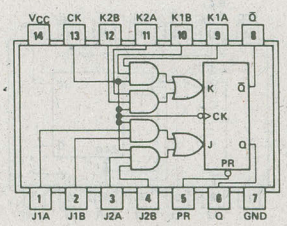
5-Bit Serial-In/Parallel-Out or Parallel-In/ Serial-Out Shift Register

Diag. 90 — 16-Pin DIP See Fig. D8
ECG7497



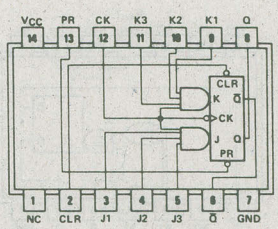
Synchronous 6-Bit Binary Rate Multiplier

Diag. 91 — 14-Pin DIP See Fig. D6
ECG74H101



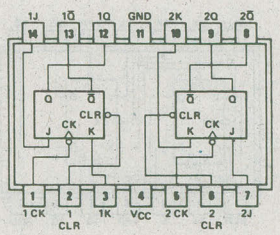
Gated J-K Negative Edge Triggered Flip-Flop with Preset

Diag. 92 — 14-Pin DIP See Fig. D6
ECG74H102



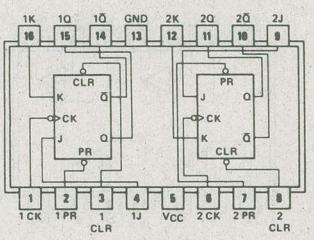
Gated J-K Negative Edge Triggered Flip-Flop with Preset and Clear

Diag. 93 — 14-Pin DIP See Fig. D6
ECG74H103



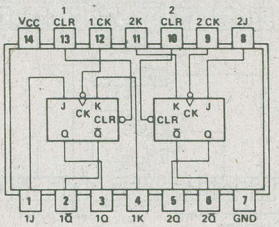
Dual J-K Negative Edge Triggered Flip-Flop with Clear

Diag. 94 — 16-Pin DIP See Fig. D8
ECG74H106



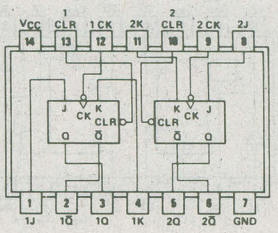
Dual J-K Negative Edge Triggered Flip-Flop with Clear

Diag. 95 — 14-Pin DIP See Fig. D6
(See also Diag. 96)
ECG74107



Dual J-K M/S Flip-Flop with Clear

Diag. 96 — 14-Pin DIP See Fig. D6
(See also Diag. 95)
ECG74C107, ECG74LS107

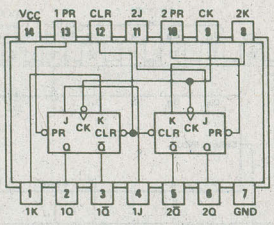


Dual J-K Negative Edge Triggered Flip-Flop with Clear

Package Outlines - See Page 1-379

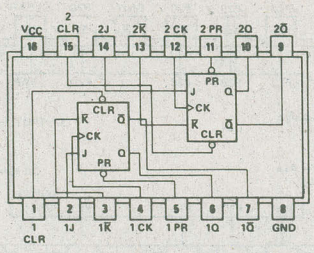
TTL Logic Diagrams (cont'd)

Diag. 97 — 14-Pin DIP See Fig. D6
ECG74H108



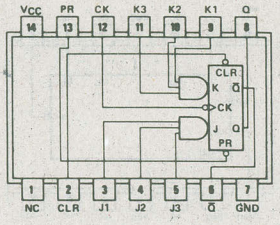
Dual J-K Negative Edge Triggered Flip-Flop with Clear

Diag. 98 — 16-Pin DIP See Fig. D8
ECG74109, ECG74LS109A



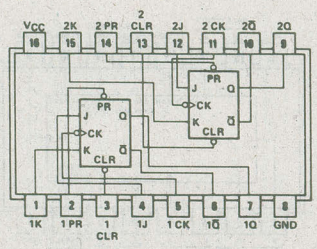
Dual J-$\overline{K}$ Positive Edge Triggered Flip-Flop with Preset and Clear

Diag. 99 — 14-Pin DIP See Fig. D6
ECG74110



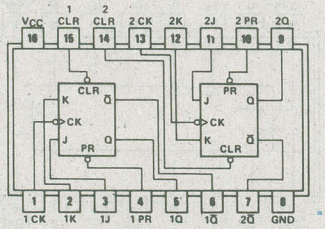
Gated J-K M/S Flip-Flop with Preset and Clear

Diag. 100 — 16-Pin DIP See Fig. D8
ECG74111



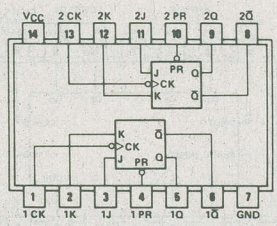
Dual J-K M/S Flip-Flop with Preset and Clear

Diag. 101 — 16-Pin DIP See Fig. D8
ECG74LS112A, ECG74S112



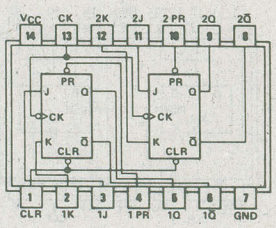
Dual J-K Negative Edge Triggered Flip-Flop with Preset and Clear

Diag. 102 — 14-Pin DIP See Fig. D6
ECG74LS113, ECG74S113



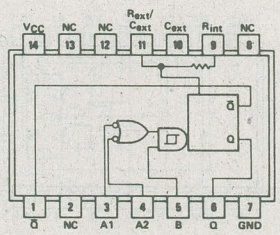
Dual J-K Negative Edge Triggered Flip-Flop with Preset

Diag. 103 — 14-Pin DIP See Fig. D6
ECG74LS114, ECG74S114



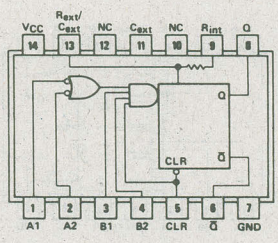
Dual J-K Negative Edge Triggered Flip-Flop with Presets and a Common Clock and Clear

Diag. 104 — 14-Pin DIP See Fig. D6
ECG74121



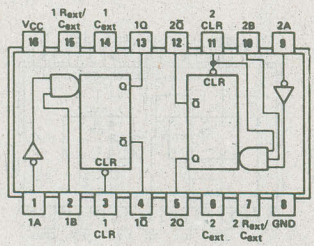
Monostable Multivibrator

Diag. 105 — 14-Pin DIP See Fig. D6
ECG74122, ECG74LS122



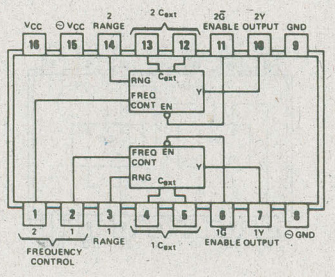
Retriggerable Monostable Multivibrator with Clear

Diag. 106 — 16-Pin DIP See Fig. D8
ECG74123, ECG74LS123



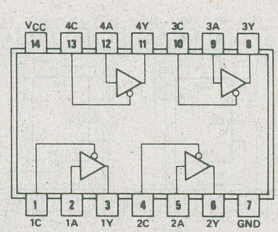
Dual Retriggerable Monostable Multivibrator with Clear

Diag. 107 — 16-Pin DIP See Fig. D8
ECG74S124



Dual Voltage Controlled Oscillator

Diag. 108 — 14-Pin DIP See Fig. D6
ECG74125, ECG74LS125A



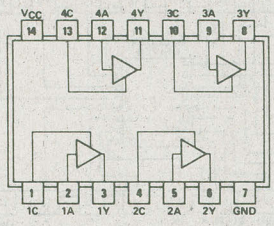
Quad Bus Buffer with 3-State Output (Active Low)

Package Outlines - See Page 1-379

TTL Logic Diagrams (cont'd)

Diag. 109 14-Pin DIP See Fig. D6

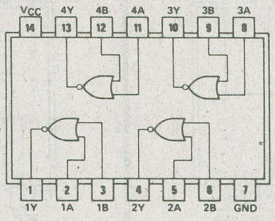
ECG74126, ECG74LS126



Quad Bus Buffer with 3-State Output (Active High)

Diag. 110 14-Pin DIP See Fig. D6

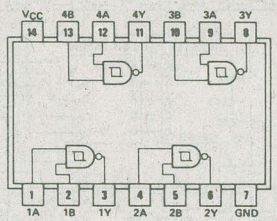
ECG74128



Quad 2-Input NOR 50 Ohm Line Driver

Diag. 111 14-Pin DIP See Fig. D6

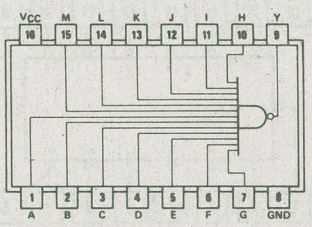
ECG74132, ECG74LS132



Quad 2-Input NAND Schmitt Trigger

Diag. 112 16-Pin DIP See Fig. D8

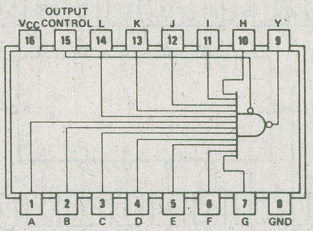
ECG74LS133, ECG74S133



13-Input NAND Gate

Diag. 113 16-Pin DIP See Fig. D8

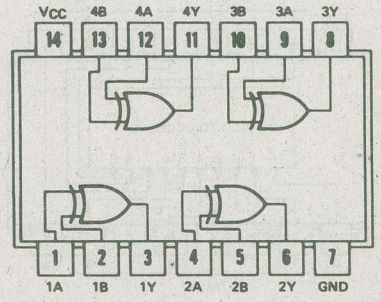
ECG74S134



12-Input NAND Gate with 3-State Output

Diag. 114 14-Pin DIP See Fig. D6

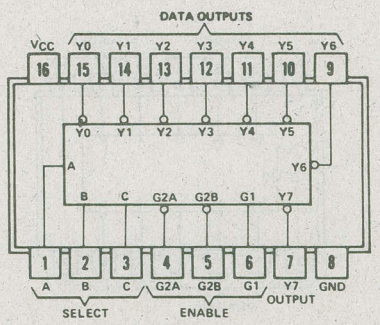
ECG74136, ECG74LS136



Quad Exclusive OR Gate with Open Collector Output

Diag. 115 16-Pin DIP See Fig. D8

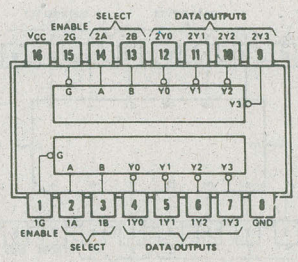
ECG74LS138, ECG74S138



3-Line-to-8-Line Decoder/Demultiplexer

Diag. 116 16-Pin DIP See Fig. D8

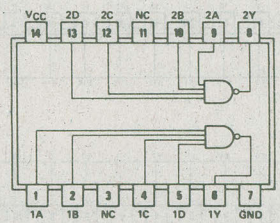
ECG74LS139



Dual 2-Line-to-4-Line Decoder/Demultiplexer

Diag. 117 14-Pin DIP See Fig. D6

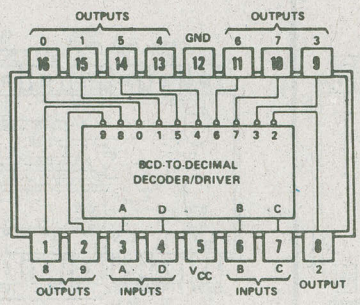
ECG74S140



Dual 4-Input NAND 50 Ohm Line Driver

Diag. 118 16-Pin DIP See Fig. D8

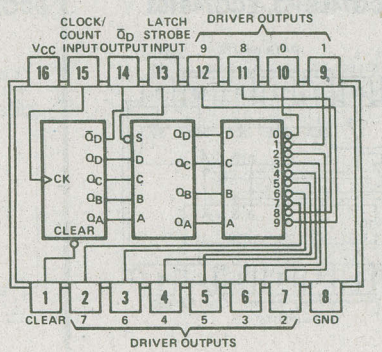
ECG74141



BCD-to-Decimal Decoder/Driver for Cold Cathode Tubes

Diag. 119 16-Pin DIP See Fig. D8

ECG74142



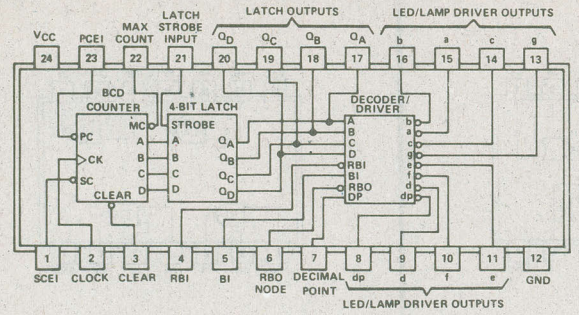
BCD Counter/4-Bit Latch/BCD-to-7-Segment Decoder/Driver

Package Outlines - See Page 1-379

TTL Logic Diagrams (cont'd)

Diag. 120 — 24-Pin DIP See Fig. D15

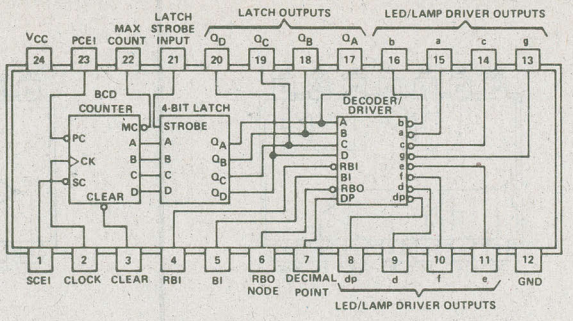
ECG74143



BCD Counter/4-Bit Latch/BCD-to-7-Segment Decoder/Driver with Constant Current Output

Diag. 121 — 24-Pin DIP See Fig. D15

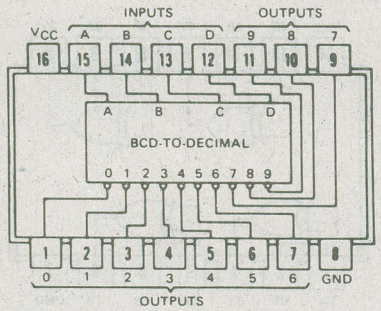
ECG74144



BCD Counter/4-Bit Latch/BCD-to-7-Segment Decoder/Driver with Open Collector Output

Diag. 122 — 16-Pin DIP See Fig. D8

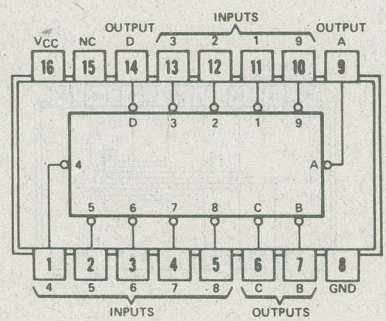
ECG74145, ECG74LS145



BCD-to-Decimal Decoder Driver with Open Collector Output

Diag. 123 — 16-Pin DIP See Fig. D8

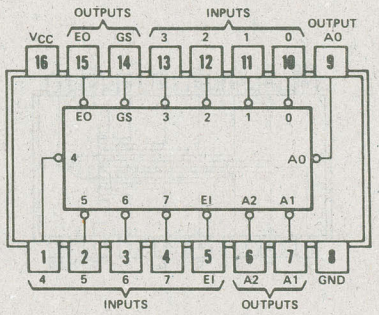
ECG74147, ECG74LS147



Decimal-to-BCD-Priority Encoder

Diag. 124 — 16-Pin DIP See Fig. D8

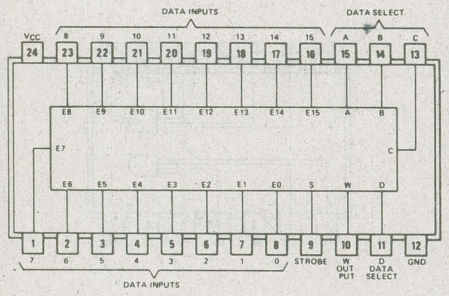
ECG74LS148



8-Line-to-3-Line Octal Priority Encoder

Diag. 125 — 24-Pin DIP See Fig. D15

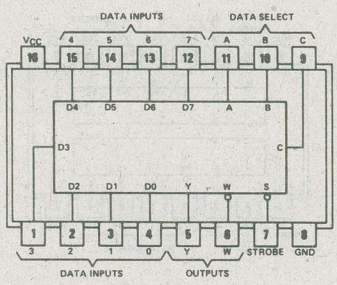
ECG74150



16-Line-to-1-Line Data Selector/Multiplexer

Diag. 126 — 16-Pin DIP See Fig. D8

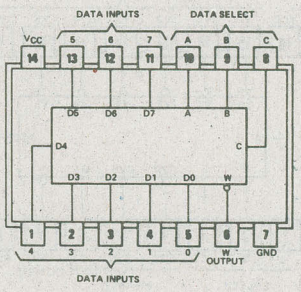
ECG74151, ECG74C151, ECG74LS151, ECG74S151



8-Line-to-1-Line Data Selector/Multiplexer with Strobe

Diag. 127 — 14-Pin DIP See Fig. D6

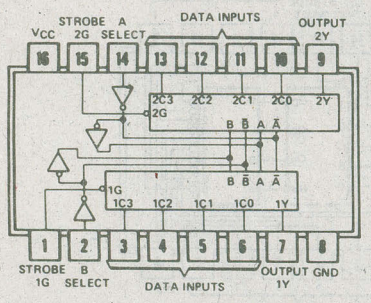
ECG74152



8-Line-to-1-Line Data Selector/Multiplexer

Diag. 128 — 16-Pin DIP See Fig. D8

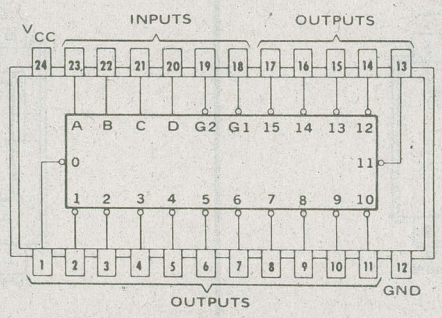
ECG74153, ECG74LS153, ECG74S153



Dual 4-Line-to-1-Line Data Selector/ Multiplexer

Diag. 129 — 24-Pin DIP See Fig. D15

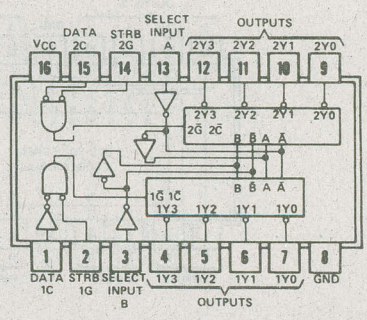
ECG74154, ECG74C154



4-Line-to-16-Line Decoder/Demultiplexer

Diag. 130 — 16-Pin DIP See Fig. D8

ECG74155, ECG74LS155



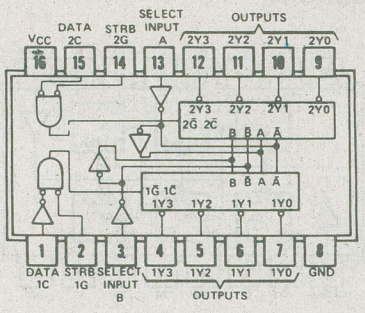
Dual 1-Line-to-4-Line Decoder/Demultiplexer

Package Outlines - See Page 1-379

TTL Logic Diagrams (cont'd)

Diag. 131 16-Pin DIP See Fig. D8

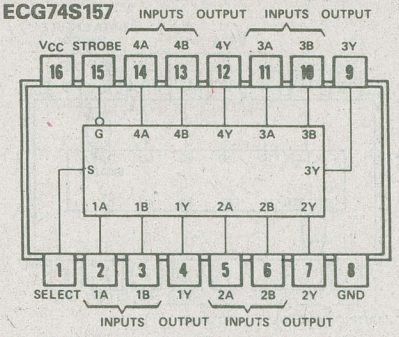
ECG74156, ECG74LS156



Dual 1-Line-to-4-Line Decoder/Demultiplexer with Open Collector Output

Diag. 132 16-Pin DIP See Fig. D8

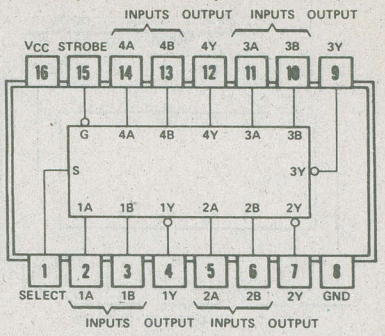
ECG74157, ECG74C157, ECG74LS157, ECG74S157



Quad 2-Line-to-1-Line Data Selector/Multiplexer with Non-Inverting Output

Diag. 133 16-Pin DIP See Fig. D8

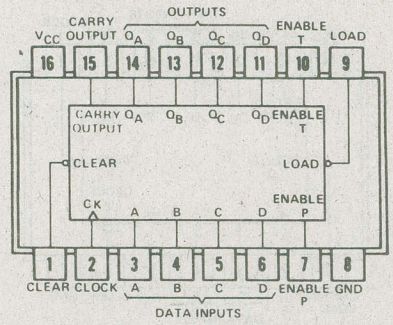
ECG74158, ECG74LS158, ECG74S158



Quad 2-Line-to-1-Line Data Selector/Multiplexer with Inverting Output

Diag. 134 16-Pin DIP See Fig. D8

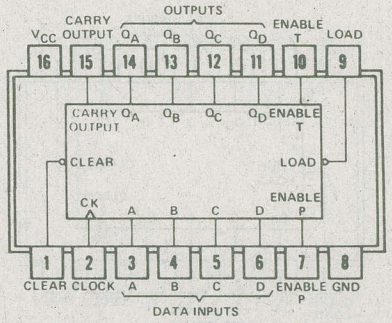
ECG74160, ECG74LS160A



Presettable Synchronous Decade Counter with Direct Clear

Diag. 135 16-Pin DIP See Fig. D8

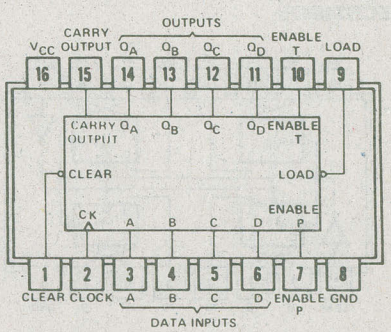
ECG74161, ECG74C161, ECG74LS161A



Presettable Synchronous 4-Bit Binary Counter with Direct Clear

Diag. 136 16-Pin DIP See Fig. D8

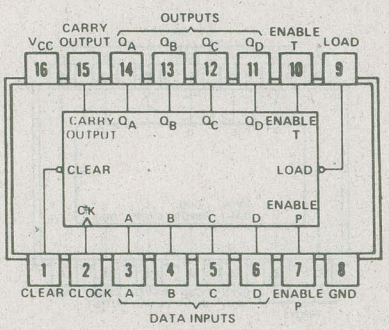
ECG74162, ECG74LS162A



Presettable Synchronous Decade Counter with Synchronous Clear

Diag. 137 16-Pin DIP See Fig. D8

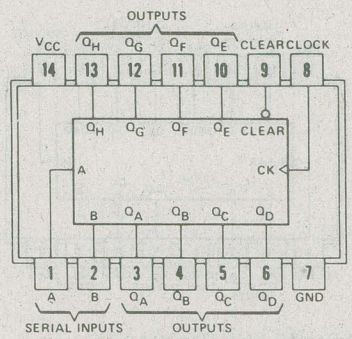
ECG74163, ECG74LS163A



Presettable Synchronous 4-Bit Binary Counter with Synchronous Clear

Diag. 138 14-Pin DIP See Fig. D6

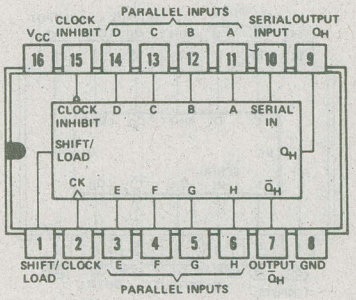
ECG74164, ECG74C164, ECG74LS164



8-Bit Serial-In/Parallel-Out Shift Register

Diag. 139 16-Pin DIP See Fig. D8

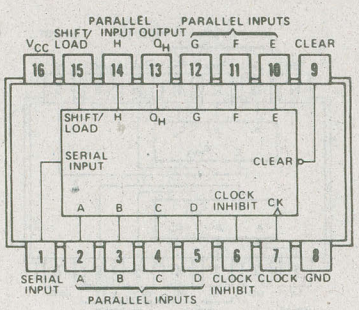
ECG74165, ECG74LS165



8-Bit Parallel-In/Serial-Out Shift Register

Diag. 140 16-Pin DIP See Fig. D8

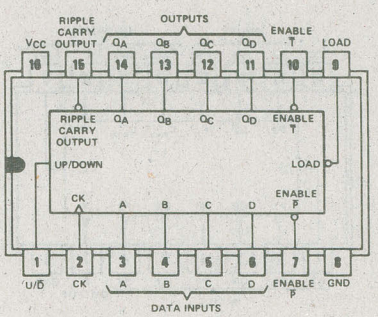
ECG74166, ECG74LS166



8-Bit Serial or Parallel-In/Serial-Out Shift Register

Diag. 141 16-Pin DIP See Fig. D8

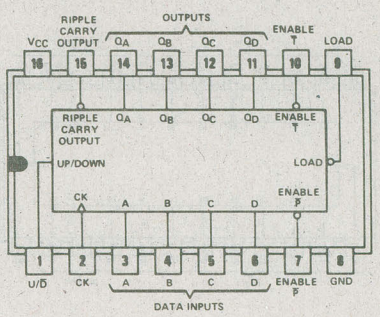
ECG74LS168A



Presettable Synchronous Decade Up/Down Counter

Diag. 142 16-Pin DIP See Fig. D8

ECG74LS169A



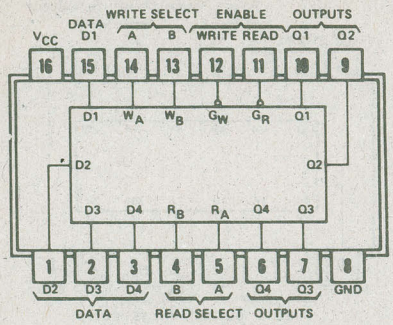
Presettable Synchronous 4-Bit Binary Up/Down Counter

Package Outlines - See Page 1-379

TTL Logic Diagrams (cont'd)

Diag. 143 — 16-Pin DIP See Fig. D8

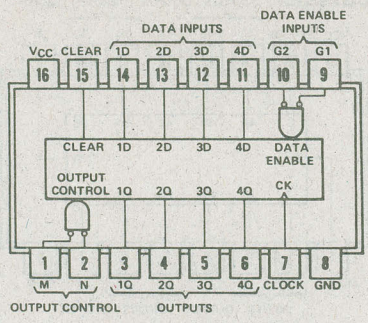
ECG74170, ECG74LS170



4 x 4 Register File with Open Collector Output

Diag. 144 — 16-Pin DIP See Fig. D8

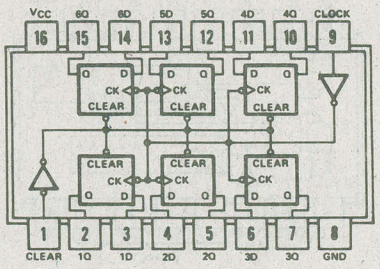
ECG74173, ECG74C173, ECG74LS173



4-Bit "D" Register with 3-State Output

Diag. 145 — 16-Pin DIP See Fig. D8

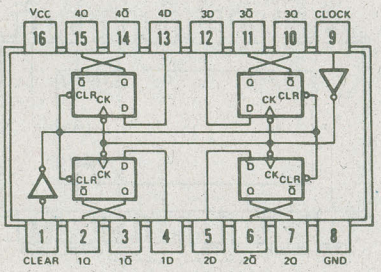
ECG74174, ECG74C174, ECG74LS174, ECG74S174



Hex "D" Flip-Flop with Clear

Diag. 146 — 16-Pin DIP See Fig. D8

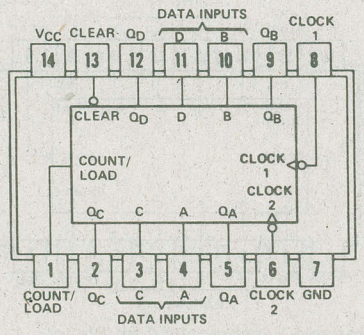
ECG74175, ECG74C175, ECG74LS175, ECG74S175



Quad "D" Flip-Flop with Complementary Outputs

Diag. 147 — 14-Pin DIP See Fig. D6

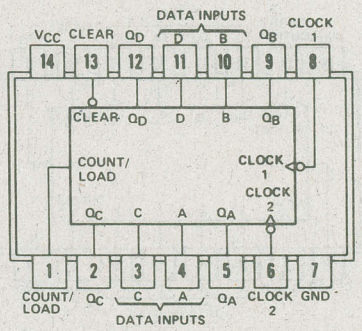
ECG74176



Presettable Decade Counter/Latch

Diag. 148 — 14-Pin DIP See Fig. D6

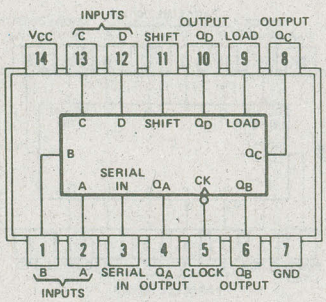
ECG74177



Presettable 4-Bit Binary Counter/Latch

Diag. 149 — 14-Pin DIP See Fig. D6

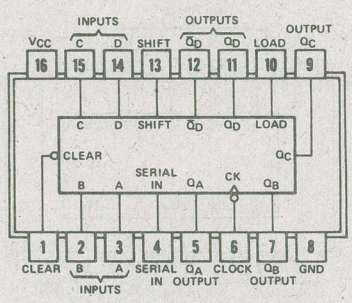
ECG74178



4-Bit Parallel Shift Register

Diag. 150 — 16-Pin DIP See Fig. D8

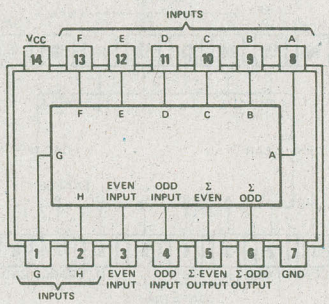
ECG74179



4-Bit Parallel Shift Register with Complementary Final Stage

Diag. 151 — 14-Pin DIP See Fig. D6

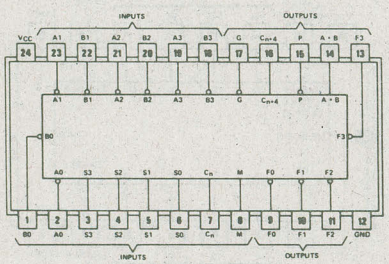
ECG74180



9-Bit Odd/Even Parity Generator/Checker

Diag. 152 — 24-Pin DIP See Fig. D15

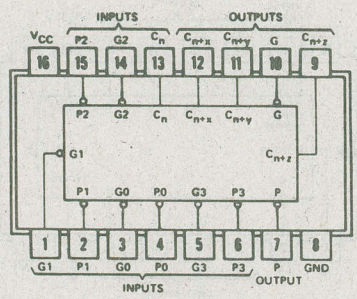
ECG74181, ECG74LS181, ECG74S181



Arithmetic Logic Unit (ALU)/Function Generator

Diag. 153 — 16-Pin DIP See Fig. D8

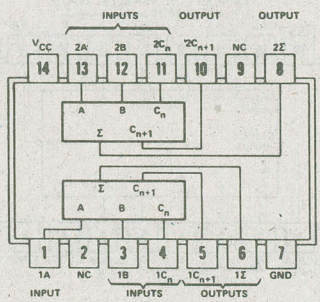
ECG74182



Look-Ahead Carry Generator

Diag. 154 — 14-Pin DIP See Fig. D6

ECG74H183



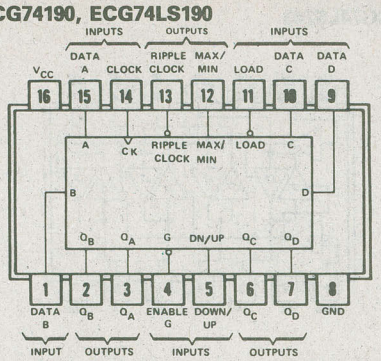
Dual Carry/Save Adder

Package Outlines - See Page 1-379

TTL Logic Diagrams (cont'd)

Diag. 155 16-Pin DIP See Fig. D8

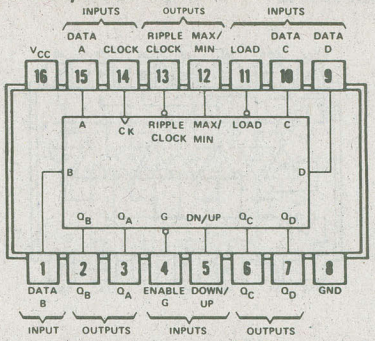
ECG74190, ECG74LS190



Presettable Synchronous Decade Up/Down Counter

Diag. 156 16-Pin DIP See Fig. D8

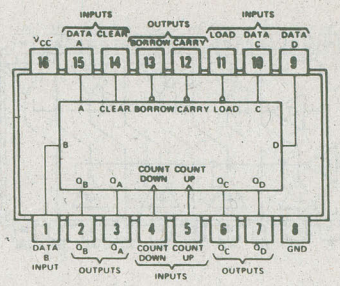
ECG74191, ECG74LS191



Presettable Synchronous 4-Bit Binary Up/Down Counter

Diag. 157 16-Pin DIP See Fig. D8

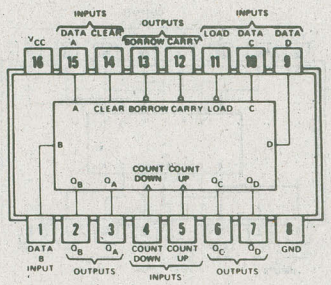
ECG74192, ECG74C192, ECG74LS192



Presettable Synchronous Decade Up/Down Counter with Dual Clocks

Diag. 158 16-Pin DIP See Fig. D8

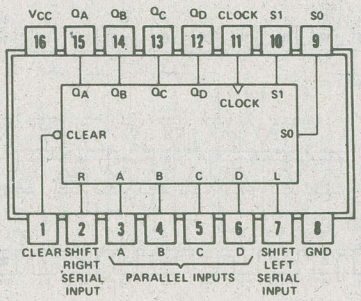
ECG74193, ECG74C193, ECG74LS193



Presettable Synchronous 4-Bit Binary Up/Down Counter with Dual Clocks

Diag. 159 16-Pin DIP See Fig. D8

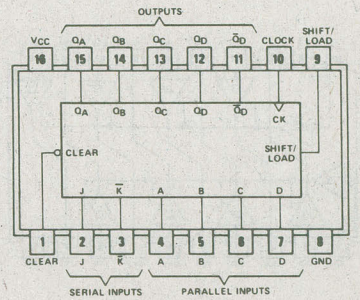
ECG74LS194A, ECG74S194



4-Bit Bidirectional Parallel Shift Register

Diag. 160 16-Pin DIP See Fig. D8

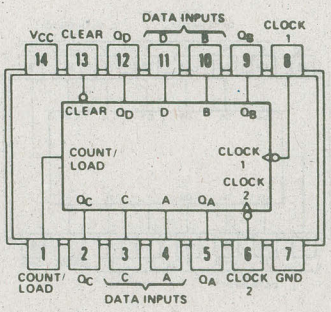
ECG74195, ECG74LS195A



4-Bit Parallel Shift Register with Complementary Final Stage

Diag. 161 14-Pin DIP See Fig. D6

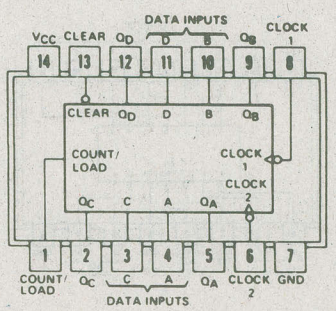
ECG74196, ECG74LS196



Presettable Decade Counter/Latch

Diag. 162 14-Pin DIP See Fig. D6

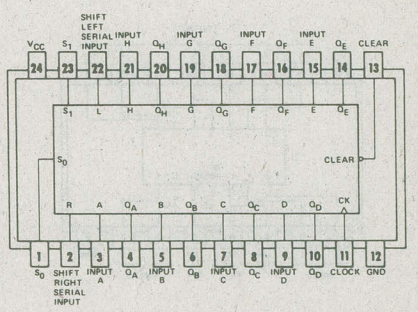
ECG74197, ECG74LS197



Presettable 4-Bit Binary Counter/Latch

Diag. 163 24-Pin DIP See Fig. D15

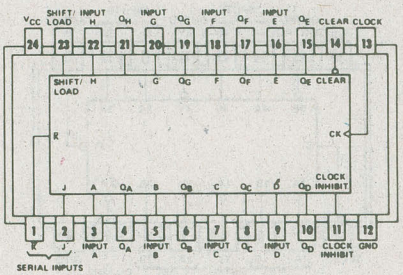
ECG74198



8-Bit Bidirectional Parallel Shift Register

Diag. 164 24-Pin DIP See Fig. D15

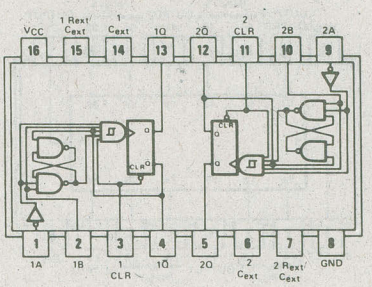
ECG74199



8-Bit Serial or Parallel-In/Parallel-Out Shift Register

Diag. 165 16-Pin DIP See Fig. D8

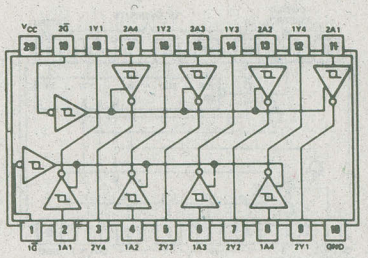
ECG74221, ECG74C221, ECG74LS221



Dual Monostable Multivibrator

Diag. 166 20-Pin DIP See Fig. D12

ECG74C240, ECG74LS240

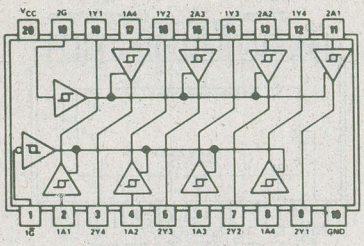


Octal Buffer/Line Driver/Line Receiver with Inverting 3-State Output

Package Outlines - See Page 1-379

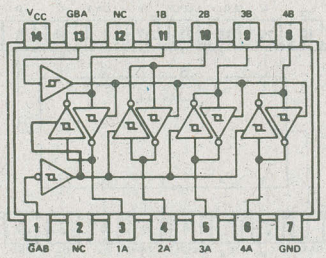
TTL Logic Diagrams (cont'd)

Diag. 167 — 20-Pin DIP See Fig. D12
ECG74LS241



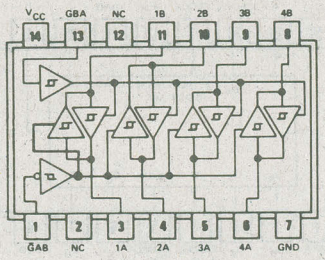
Octal Buffer/Line Driver/Line Receiver with Non-Inverting 3-State Output

Diag. 168 — 14-Pin DIP See Fig. D6
ECG74LS242



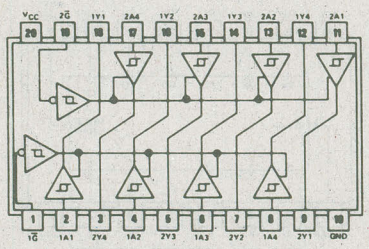
Quad Bus Transceiver with Inverting 3-State Output

Diag. 169 — 14-Pin DIP See Fig. D6
ECG74LS243



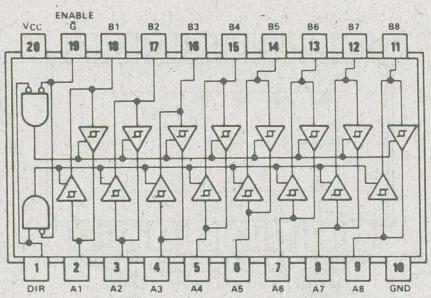
Quad Bus Transceiver with Non-Inverting 3-State Output

Diag. 170 — 20-Pin DIP See Fig. D12
ECG74C244, ECG74LS244



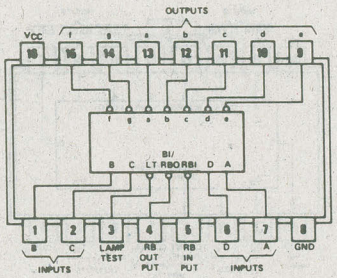
Octal Buffer/Line Driver/Line Receiver with Non-Inverting 3-State Output

Diag. 171 — 20-Pin DIP See Fig. D12
ECG74LS245



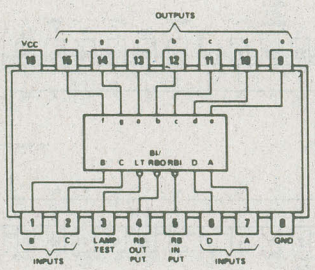
Octal Bus Transceiver with Non-Inverting 3-State Output

Diag. 172 — 16-Pin DIP See Fig. D8
ECG74LS247



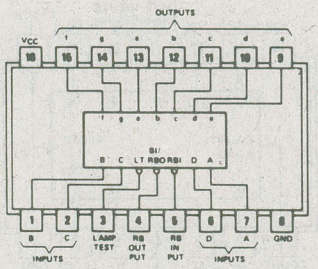
BCD-to-7-Segment Decoder/Driver with Hi-Volt (15 V) Open Collector Output

Diag. 173 — 16-Pin DIP See Fig. D8
ECG74LS248



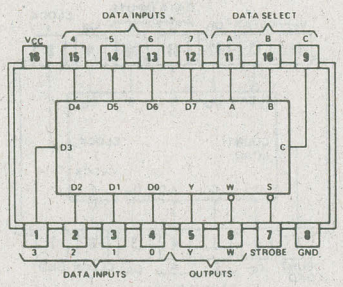
BCD-to-7-Segment Decoder/Driver

Diag. 174 — 16-Pin DIP See Fig. D8
ECG74249, ECG74LS249



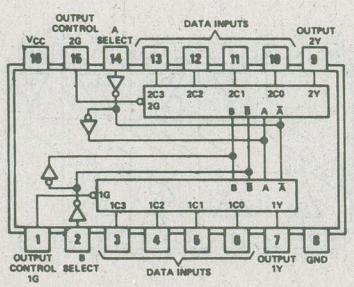
BCD-to-7-Segment Decoder/Driver with Open Collector Output

Diag. 175 — 16-Pin DIP See Fig. D8
ECG74251, ECG74LS251, ECG74S251



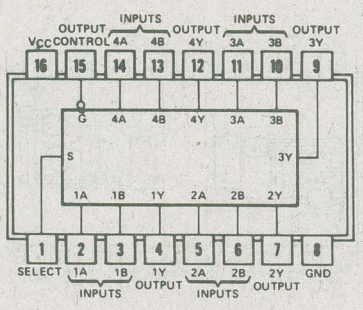
8-Line-to-1-Line Data Selector/Multiplexer with Complementary 3-State Output

Diag. 176 — 16-Pin DIP See Fig. D8
ECG74LS253



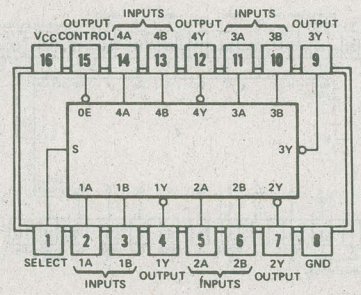
Dual 4-Line-to-1-Line Data Selector/Multiplexer with 3-State Output

Diag. 177 — 16-Pin DIP See Fig. D8
ECG74LS257



Quad 2-Line-to-1-Line Data Selector/Multiplexer with 3-State Output

Diag. 178 — 16-Pin DIP See Fig. D8
ECG74LS258, ECG74S258



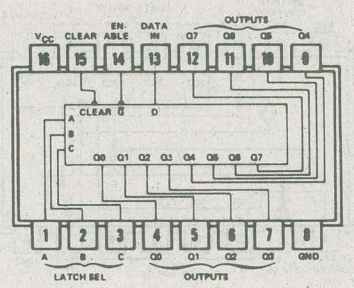
Quad 2-Line-to-1-Line Data Selector/Multiplexer with Inverting 3-State Output

Package Outlines - See Page 1-379

TTL Logic Diagrams (cont'd)

Diag. 179 — 16-Pin DIP See Fig. D8

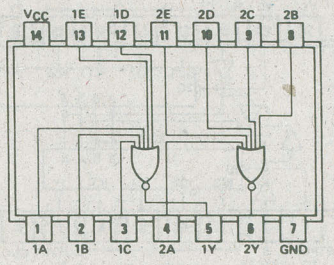
ECG74LS259



8-Bit Addressable Latch

Diag. 180 — 14-Pin DIP See Fig. D6

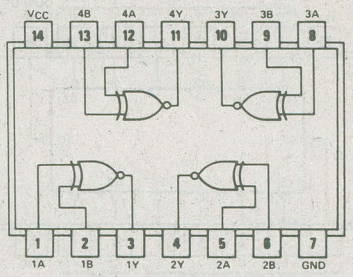
ECG74LS260



Dual 5-Input NOR Gate

Diag. 181 — 14-Pin DIP See Fig. D6

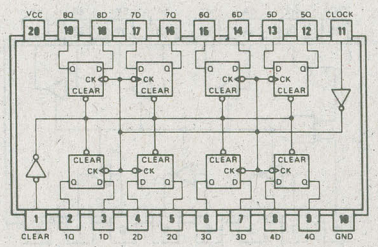
ECG74LS266



Quad Exclusive NOR Gate with Open Collector Output

Diag. 182 — 20-Pin DIP See Fig. D12

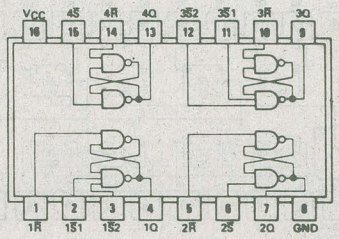
ECG74LS273



Octal "D" Flip-Flop with Clear

Diag. 183 — 16-Pin DIP See Fig. D8

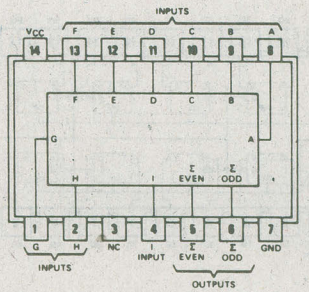
ECG74LS279



Quad $\overline{S}$-$\overline{R}$ Latch

Diag. 184 — 14-Pin DIP See Fig. D6

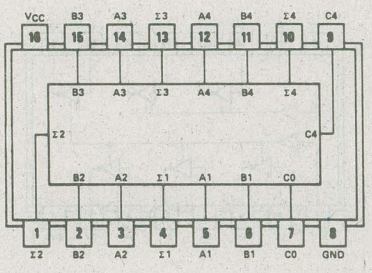
ECG74LS280



9-Bit Odd/Even Parity Generator/Checker

Diag. 185 — 16-Pin DIP See Fig. D8

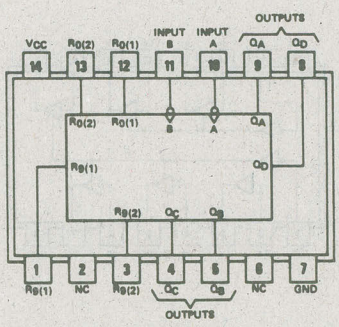
ECG74LS283



4-Bit Full Adder

Diag. 186 — 14-Pin DIP See Fig. D6

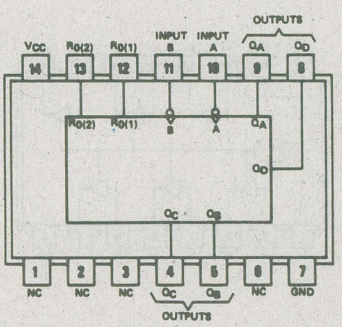
ECG74290, ECG74LS290



Decade Counter

Diag. 187 — 14-Pin DIP See Fig. D6

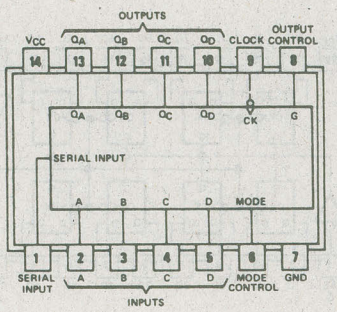
ECG74293, ECG74LS293



4-Bit Binary Counter

Diag. 188 — 14-Pin DIP See Fig. D6

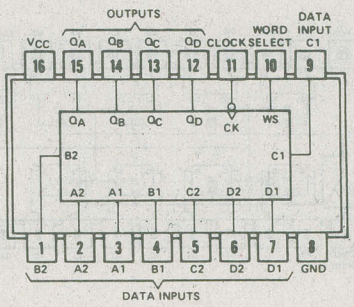
ECG74LS295A



4-Bit Bidirectional Parallel Shift Register with 3-State Output

Diag. 189 — 16-Pin DIP See Fig. D8

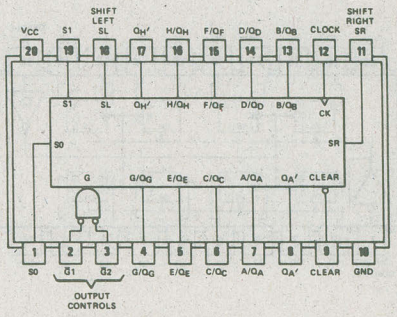
ECG74LS298



Quad 2-Input Multiplexer with Storage

Diag. 190 — 20-Pin DIP See Fig. D12

ECG74LS299



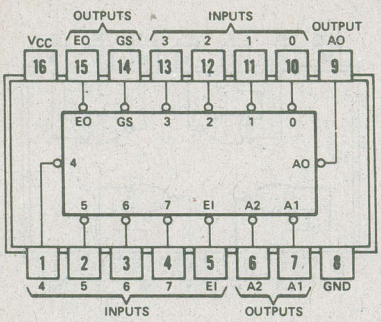
8-Bit Bidirectional Shift/Storage Register with 3-State Output

Package Outlines - See Page 1-379

TTL Logic Diagrams (cont'd)

Diag. 191 — 16-Pin DIP See Fig. D8

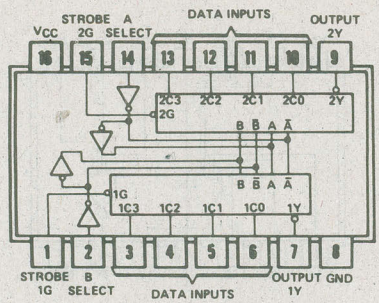
ECG74LS348



8-Line-to-3-Line Priority Encoder with 3-State Output

Diag. 192 — 16-Pin DIP See Fig. D8

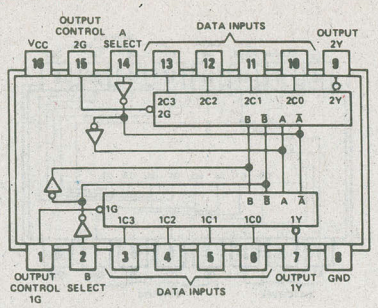
ECG74LS352



Dual 4-Line-to-1-Line Data Selector/Multiplexer with 3-State Output

Diag. 193 — 16-Pin DIP See Fig. D8

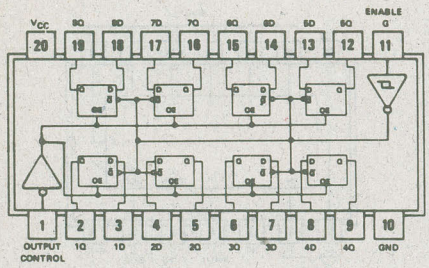
ECG74LS353



Dual 4-Line-to-1-Line Data Selector/Multiplexer with Inverting 3-State Output

Diag. 194 — 20-Pin DIP See Fig. D12

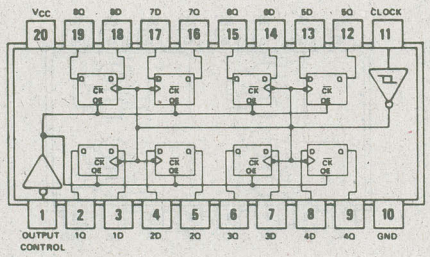
ECG74LS363



Octal "D" Transparent Latch with 3-State Output

Diag. 195 — 20-Pin DIP See Fig. D12

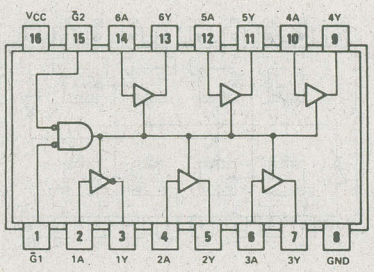
ECG74LS364



Octal "D" Flip-Flop with 3-State Output

Diag. 196 — 16-Pin DIP See Fig. D8

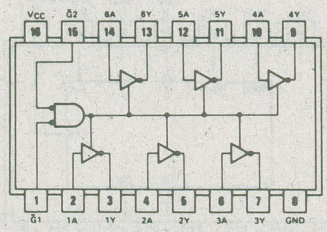
ECG74365, ECG74LS365A



Hex Bus Driver with Non-Inverting 3-State Output (Common Enable)

Diag. 197 — 16-Pin DIP See Fig. D8

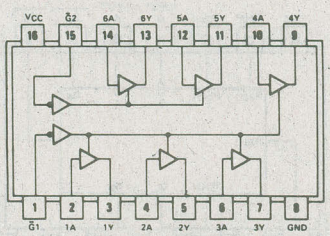
ECG74366, ECG74LS366A



Hex Bus Driver with Inverting 3-State Output (Common Enable)

Diag. 198 — 16-Pin DIP See Fig. D8

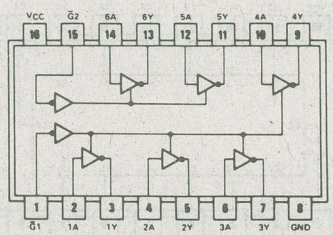
ECG74367, ECG74LS367



Hex Bus Driver with Non-Inverting 3-State Output (4-Line/2-Line Enable)

Diag. 199 — 16-Pin DIP See Fig. D8

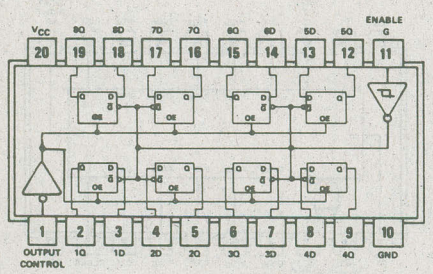
ECG74368, ECG74LS368



Hex Bus Driver with Inverting 3-State Output (4-Line/2-Line Enable)

Diag. 200 — 20-Pin DIP See Fig. D12

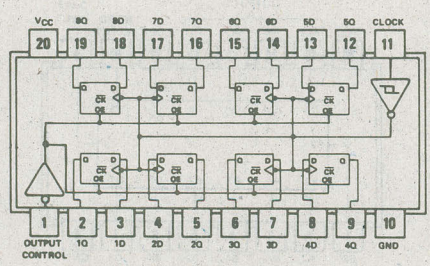
ECG74C373, ECG74LS373



Octal "D" Transparent Latch with 3-State Output

Diag. 201 — 20-Pin DIP See Fig. D12

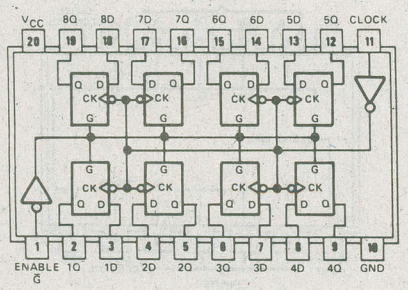
ECG74C374, ECG74LS374



Octal "D" Flip-Flop with 3-State Output

Diag. 202 — 20-Pin DIP See Fig. D12

ECG74LS377

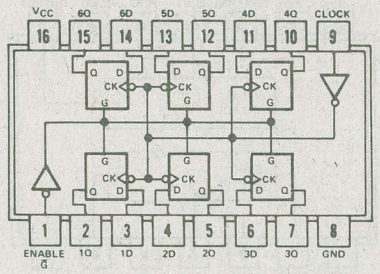


Octal "D" Flip-Flop with Common Enable

Package Outlines - See Page 1-379

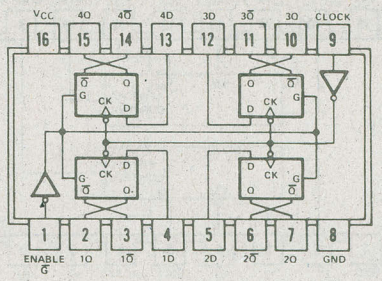
TTL Logic Diagrams (cont'd)

Diag. 203 — 16-Pin DIP See Fig. D8
ECG74LS378



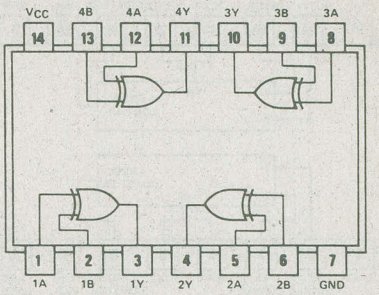
Hex "D" Flip-Flop with Common Enable

Diag. 204 — 16-Pin DIP See Fig. D8
ECG74LS379



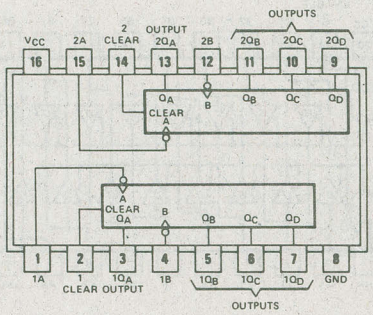
Quad "D" Flip-Flop with Complementary Outputs

Diag. 205 — 14-Pin DIP See Fig. D6
ECG74LS386



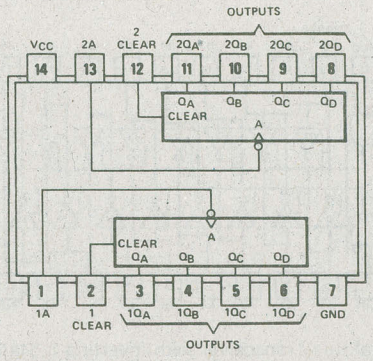
Quad Exclusive OR Gate

Diag. 206 — 16-Pin DIP See Fig. D8
ECG74390, ECG74LS390



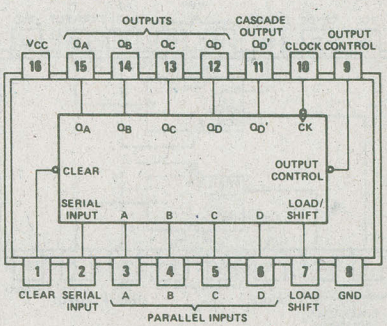
Dual Decade Counter

Diag. 207 — 14-Pin DIP See Fig. D6
ECG74393, ECG74LS393



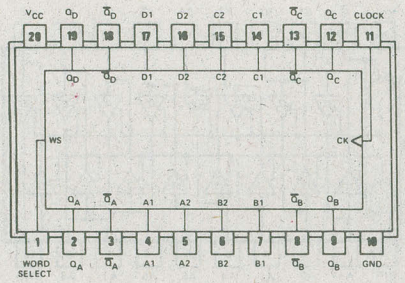
Dual 4-Bit Binary Counter

Diag. 208 — 16-Pin DIP See Fig. D8
ECG74LS395A



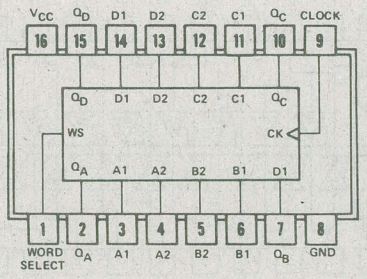
4-Bit Cascadable Parallel Shift Register with 3-State Output

Diag. 209 — 20-Pin DIP See Fig. D12
ECG74LS398



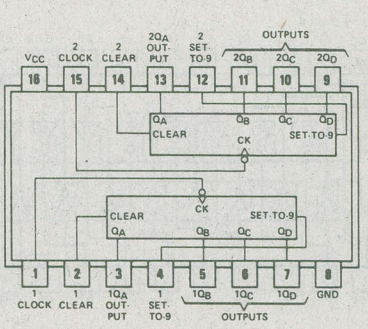
Quad 2-Input Multiplexer with Storage - Complementary Outputs

Diag. 210 — 16-Pin DIP See Fig. D8
ECG74LS399



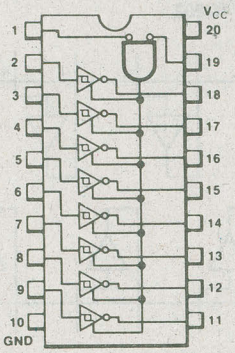
Quad 2-Input Multiplexer with Storage

Diag. 211 — 16-Pin DIP See Fig. D8
ECG74490, ECG74LS490



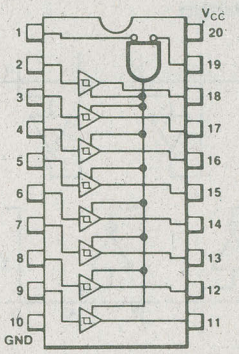
Dual Decade Counter

Diag. 212 — 20-Pin DIP See Fig. D12
ECG74LS540



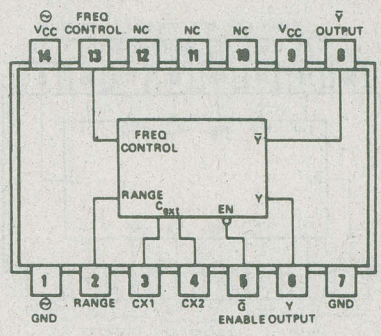
Octal Buffer/Line Driver with Inverting 3-State Output

Diag. 213 — 20-Pin DIP See Fig. D12
ECG74LS541



Octal Buffer/Line Driver with Non-Inverting 3-State Output

Diag. 214 — 14-Pin DIP See Fig. D6
ECG74LS624



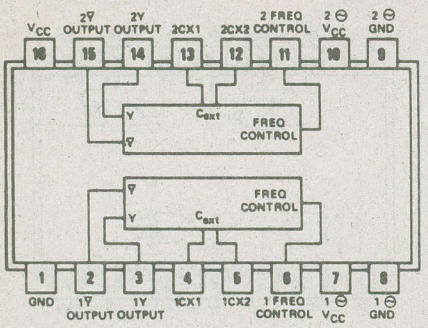
Voltage Controlled Oscillator with Complementary Output

Package Outlines - See Page 1-379

TTL Logic Diagrams (cont'd)

Diag. 215 — 16-Pin DIP See Fig. D8

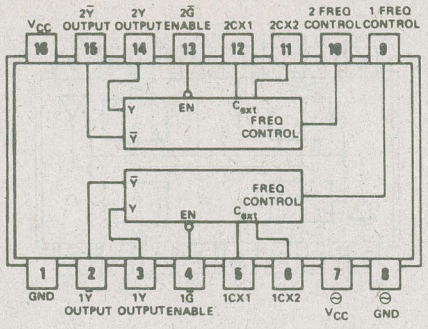
ECG74LS625



Dual Voltage Controlled Oscillator with Complementary Output

Diag. 216 — 16-Pin DIP See Fig. D8

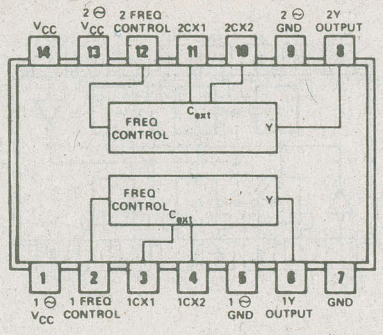
ECG74LS626



Dual Voltage Controlled Oscillator with Complementary Output and Enable

Diag. 217 — 14-Pin DIP See Fig. D6

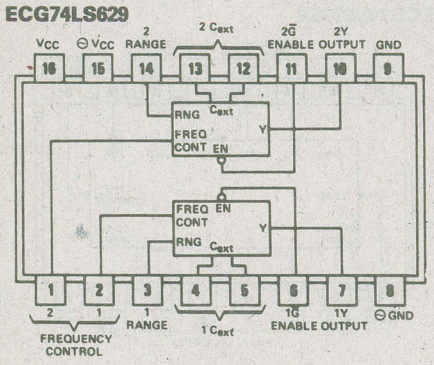
ECG74LS627



Dual Voltage Controlled Oscillator

Diag. 218 — 16-Pin DIP See Fig. D8

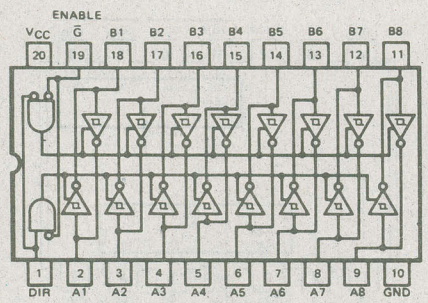
ECG74LS629



Dual Voltage Controlled Oscillator with Enable

Diag. 219 — 20-Pin DIP See Fig. D12

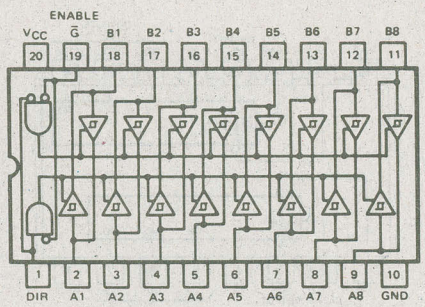
ECG74LS640



Octal Bus Transceiver with Inverting 3-State Output

Diag. 220 — 20-Pin DIP See Fig. D12

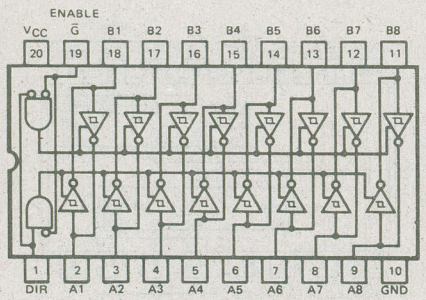
ECG74LS641



Octal Bus Transceiver with Non-Inverting 3-State Open Collector Output

Diag. 221 — 20-Pin DIP See Fig. D12

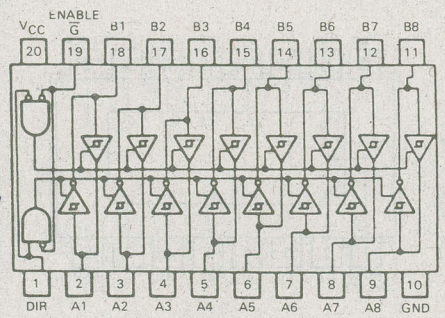
ECG74LS642



Octal Bus Transceiver with Inverting Open Collector Output

Diag. 222 — 20-Pin DIP See Fig. D12

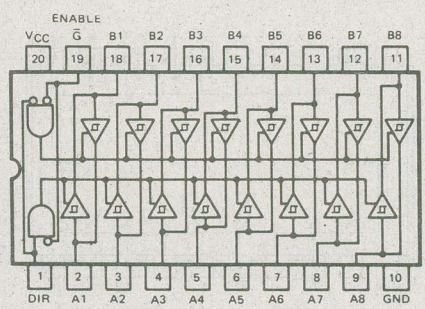
ECG74LS643



Octal Bus Transceiver with Inverting and Non-Inverting 3-State Output

Diag. 223 — 20-Pin DIP See Fig. D12

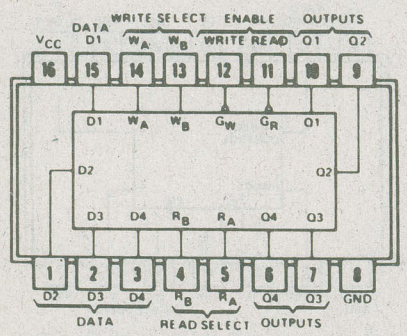
ECG74LS645



Octal Bus Transceiver with Non-Inverting 3-State Output

Diag. 224 — 16-Pin DIP See Fig. D8

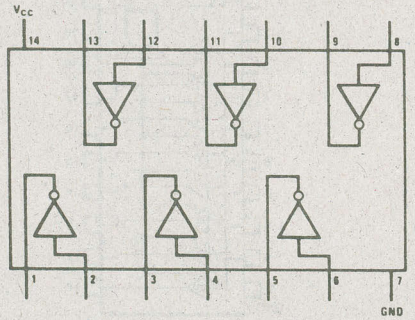
ECG74LS670



4 x 4 Register File with 3-State Output

Diag. 225 — 14-Pin DIP See Fig. D6

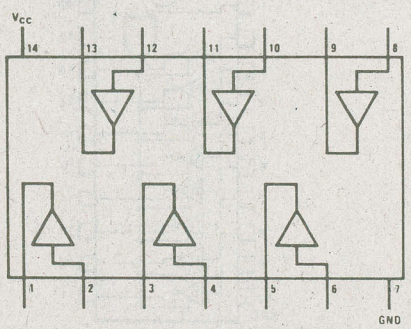
ECG74C901



Hex CMOS to TTL Interface Buffer (Inverting Output)

Diag. 226 — 14-Pin DIP See Fig. D6

ECG74C902



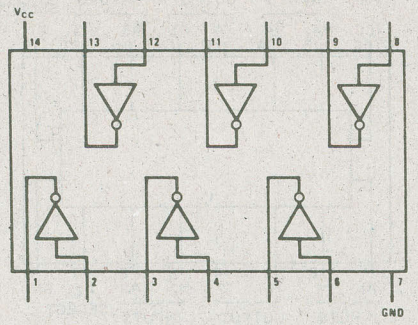
Hex CMOS to TTL Interface Buffer (Non-Inverting Output)

Package Outlines - See Page 1-379

TTL Logic Diagrams (cont'd)

Diag. 227 — 14-Pin DIP See Fig. D6

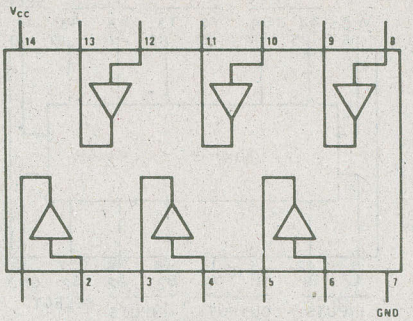
ECG74C903



Hex PMOS to TTL/CMOS Interface Buffer (Inverting Output)

Diag. 228 — 14-Pin DIP See Fig. D6

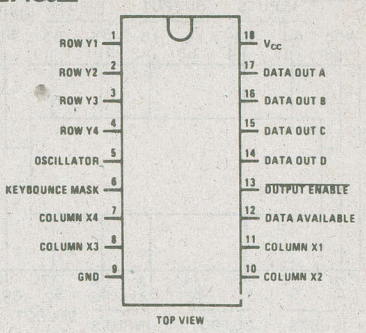
ECG74C904



Hex PMOS to TTL/CMOS Interface Buffer (Non-Inverting Output)

Diag. 229 — 18-Pin DIP See Fig. D10

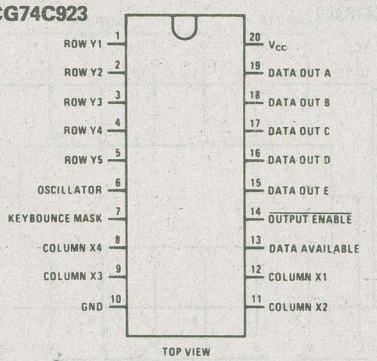
ECG74C922



16-Key Keyboard Encoder with 3-State Output

Diag. 230 — 20-Pin DIP See Fig. D12

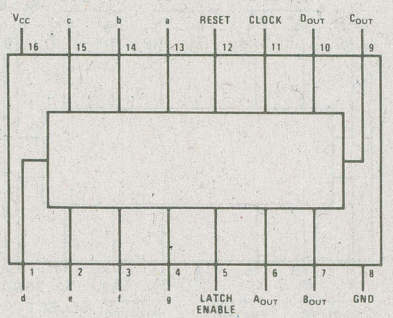
ECG74C923



20-Key Keyboard Encoder with 3-State Output

Diag. 231 — 16-Pin DIP See Fig. D8

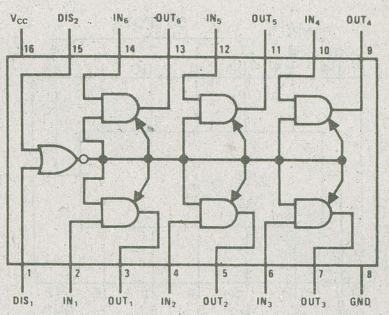
ECG74C925



4-Digit Counter with Multiplexed 7-Segment Output

Diag. 232 — 16-Pin DIP See Fig. D8

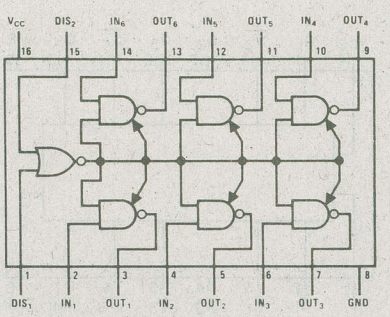
ECG80C95



Hex Buffer with 3-State Output (Common Enable)

Diag. 233 — 16-Pin DIP See Fig. D8

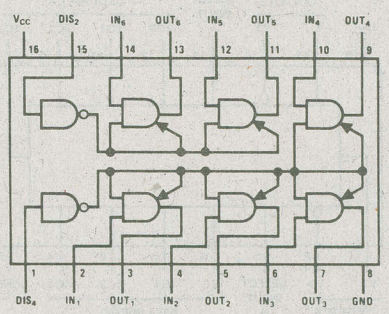
ECG80C96



Hex Inverter/Buffer with 3-State Output (Common Enable)

Diag. 234 — 16-Pin DIP See Fig. D8

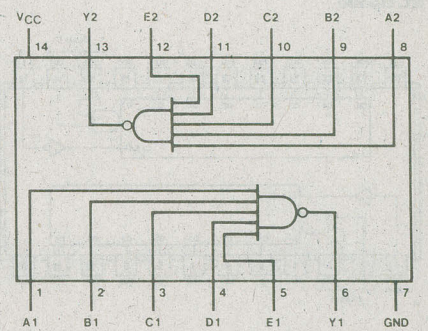
ECG80C97



Hex Buffer with 3-State Output (2-Line/4-Line Enable)

Diag. 235 — 14-Pin DIP See Fig. D6

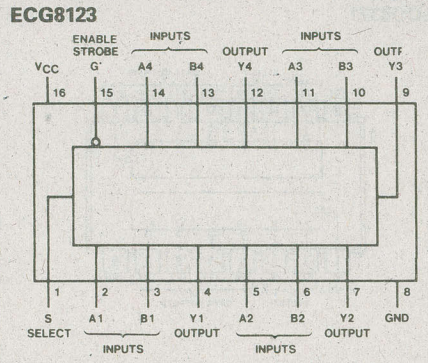
ECG8092



Dual 5-Input NAND Gate

Diag. 236 — 16-Pin DIP See Fig. D8

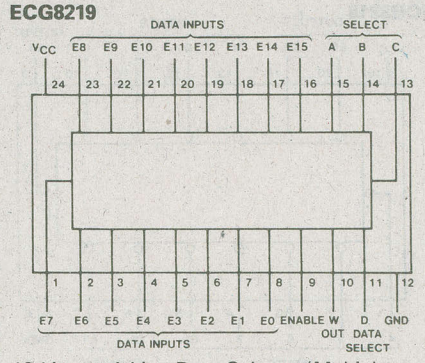
ECG8123



Quad 2-Line-to-1-Line Data Selector/Multiplexer with 3-State Output

Diag. 237 — 24-Pin DIP See Fig. D15

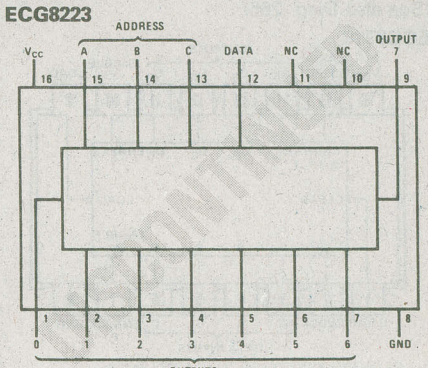
ECG8219



16-Line-to-1-Line Data Selector/Multiplexer with Inverting 3-State Output

Diag. 238 — 16-Pin DIP See Fig. D8

ECG8223



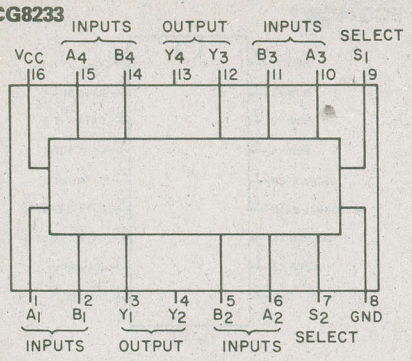
1-Line-to-8-Line Decoder/Demultiplexer

Package Outlines - See Page 1-379

TTL Logic Diagrams (cont'd)

Diag. 239 — 16-Pin DIP See Fig. D8

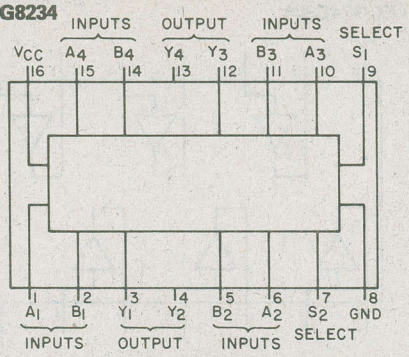
ECG8233



Quad 2-Line-to-1-Line Data Selector/ Multiplexer

Diag. 240 — 16-Pin DIP See Fig. D8

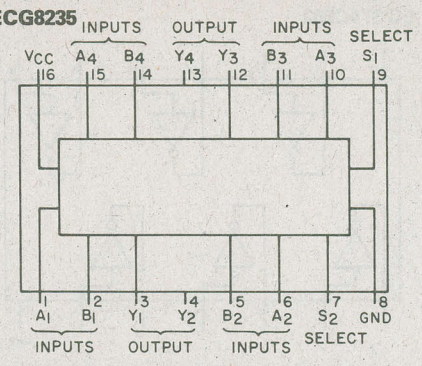
ECG8234



Quad 2-Line-to-1-Line Data Selector/Multiplexer with Inverting Output

Diag. 241 — 16-Pin DIP See Fig. D8

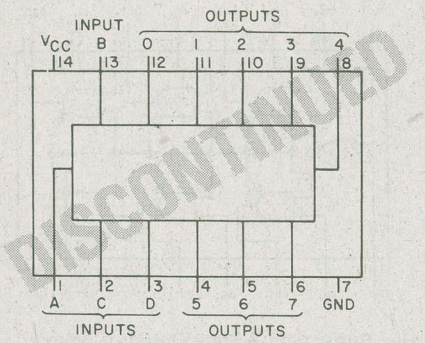
ECG8235



Quad 2-Line-to-1-Line Data Selector/Multiplexer with Open Collector Output

Diag. 242 — 14-Pin DIP See Fig. D6

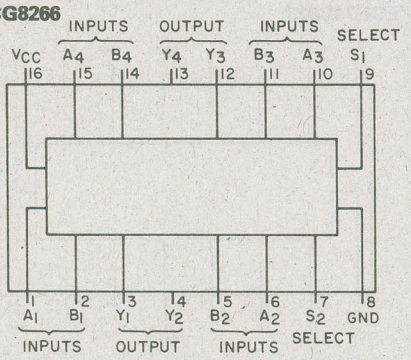
ECG8250



3-Line-to-8-Line Decoder

Diag. 243 — 16-Pin DIP See Fig. D8

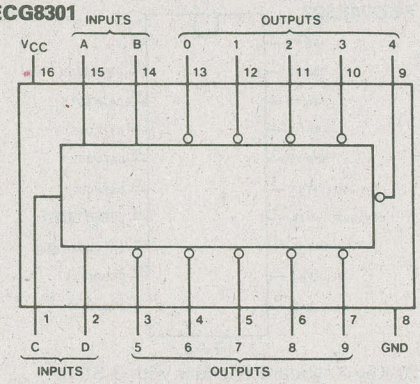
ECG8266



Quad 2-Line-to-1-Line Data Selector/Multiplexer with Conditional Outputs

Diag. 244 — 16-Pin DIP See Fig. D8

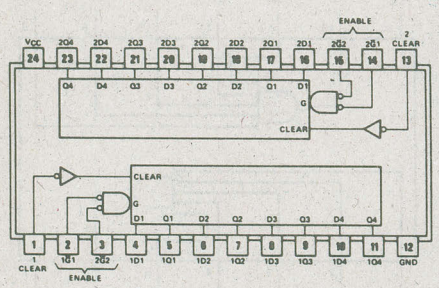
ECG8301



BCD-to-Decimal Decoder

Diag. 245 — 24-Pin DIP See Fig. D15
(See also Diag. 265)

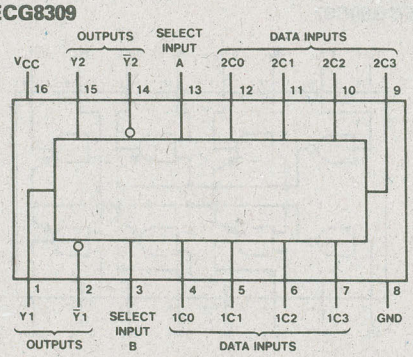
ECG8308



Dual 4-Bit Latch

Diag. 246 — 16-Pin DIP See Fig. D8

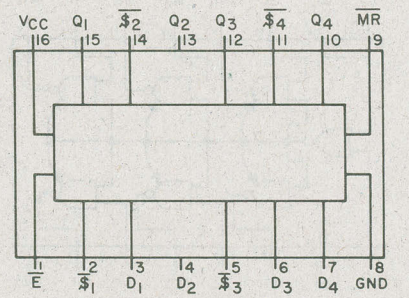
ECG8309



Dual 4-Line-to-1-Line Data Selector/Multiplexer with Complementary Output

Diag. 247 — 16-Pin DIP See Fig. D8

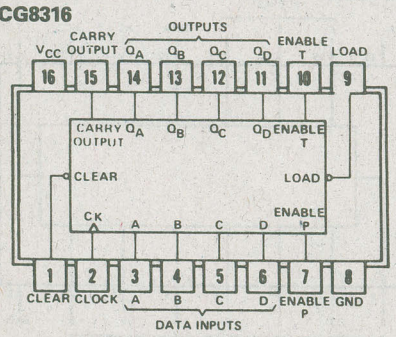
ECG8314



Quad Latch

Diag. 248 — 16-Pin DIP See Fig. D8
(See also Diag. 266)

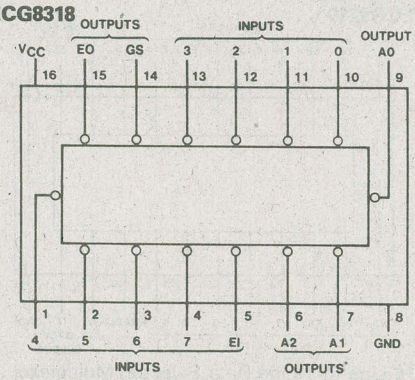
ECG8316



Presettable Synchronous 4-Bit Binary Counter with Direct Clear

Diag. 249 — 16-Pin DIP See Fig. D8

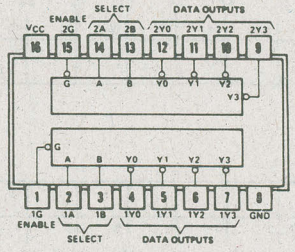
ECG8318



8-Line-to-3-Line Priority Encoder

Diag. 250 — 16-Pin DIP See Fig. D8

ECG8321



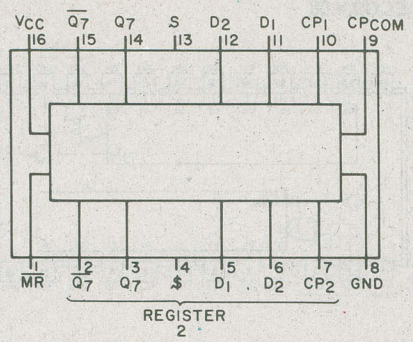
Dual 2-Line-to-4-Line Decoder/Demultiplexer

Package Outlines - See Page 1-379

TTL Logic Diagrams (cont'd)

Diag. 251 — 16-Pin DIP See Fig. D8

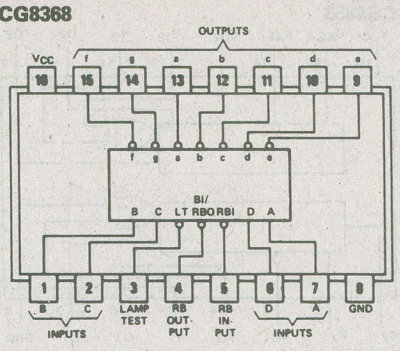
ECG8328



Dual 8-Bit Serial Shift Register

Diag. 252 — 16-Pin DIP See Fig. D8

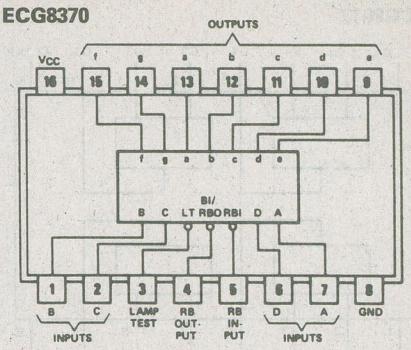
ECG8368



Hexadecimal-to-7-Segment Decoder/Latch/ Driver for Common Cathode Displays

Diag. 253 — 16-Pin DIP See Fig. D8

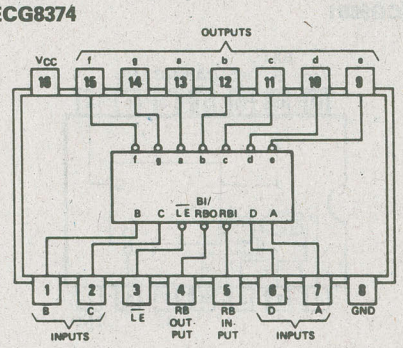
ECG8370



Hexadecimal-to-7-Segment Decoder/Latch/ Driver with Open Collector Output

Diag. 254 — 16-Pin DIP See Fig. D8

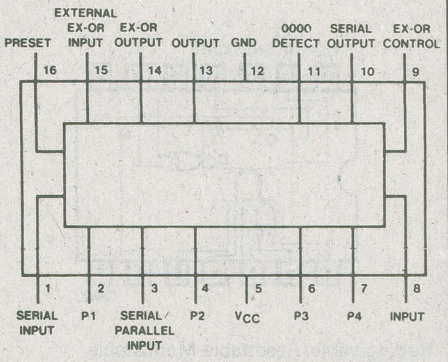
ECG8374



Hexadecimal-to-7-Segment Decoder/Driver/ Latch for Common Anode Displays

Diag. 255 — 16-Pin DIP See Fig. D8

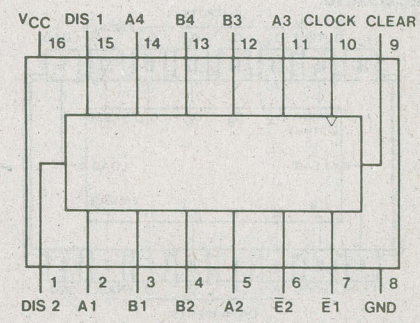
ECG8520



Modulo "N" Divider

Diag. 256 — 16-Pin DIP See Fig. D8

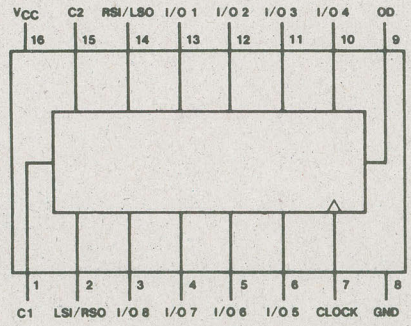
ECG8542



Quad I/O Register with 3-State Output

Diag. 257 — 16-Pin DIP See Fig. D8

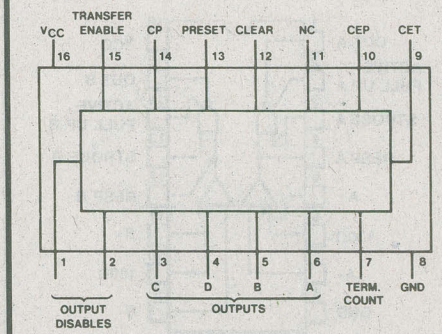
ECG8546



8-Bit Bidirectional I/O Shift Register with 3-State I/O Lines

Diag. 258 — 16-Pin DIP See Fig. D8

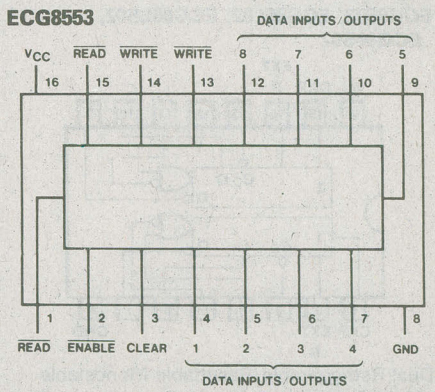
ECG8552



Synchronous Decade Counter/Latch with 3-State Output

Diag. 259 — 16-Pin DIP See Fig. D8

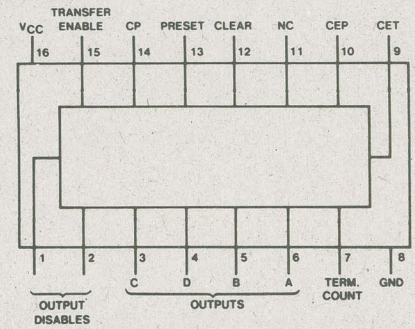
ECG8553



8-Bit Latch with 3-State I/O Lines

Diag. 260 — 16-Pin DIP See Fig. D8

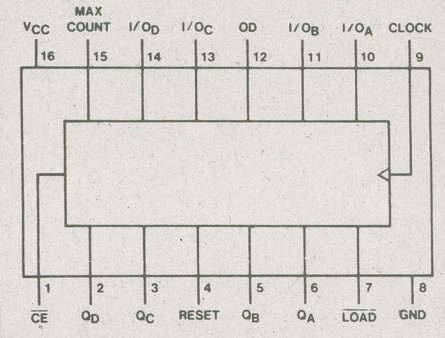
ECG8554



Synchronous 4-Bit Binary Counter/Latch with 3-State Output

Diag. 261 — 16-Pin DIP See Fig. D8

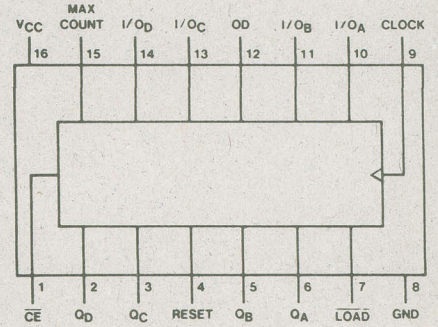
ECG8555



Presettable Synchronous Decade Counter with 3-State Output

Diag. 262 — 16-Pin DIP See Fig. D8

ECG8556



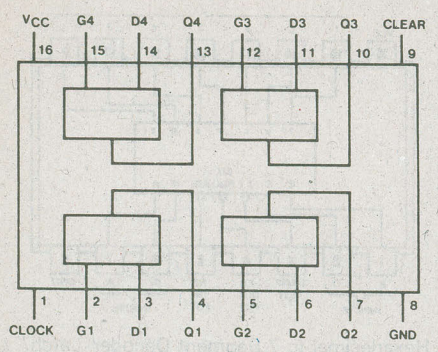
Presettable Synchronous 4-Bit Binary Counter with 3-State Output

Package Outlines - See Page 1-379

TTL Logic Diagrams (cont'd)

Diag. 263 — 16-Pin DIP See Fig. D8

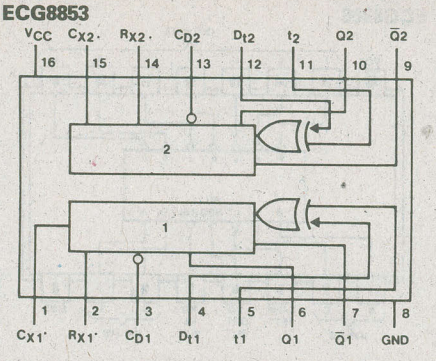
ECG8613



Quad Gated "D" Flip-Flop

Diag. 264 — 16-Pin DIP See Fig. D8

ECG8853



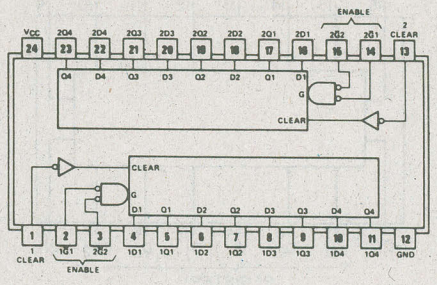
Dual Retriggerable/Resettable Monostable Multivibrator with Delay

*Pins for external timing

Diag. 265 — 24-Pin DIP See Fig. D15

(See also Diag. 245)

ECG93L08

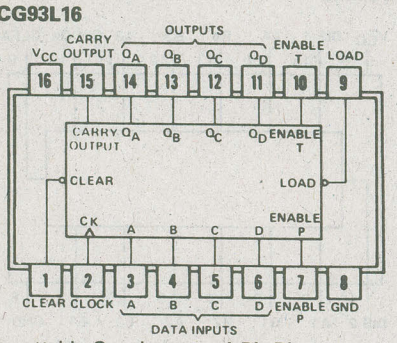


Dual 4-Bit Latch

Diag. 266 — 16-Pin DIP See Fig. D8

(See also Diag. 248)

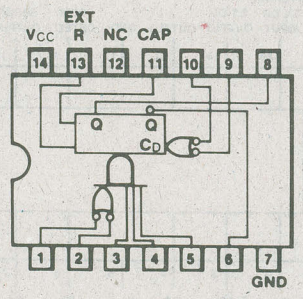
ECG93L16



Presettable Synchronous 4-Bit Binary Counter with Direct Clear

Diag. 267 — 14-Pin DIP See Fig. D6

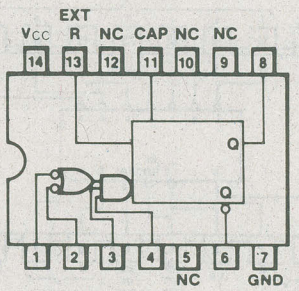
ECG9600



Retriggerable/Resettable Monostable Multivibrator

Diag. 268 — 14-Pin DIP See Fig. D6

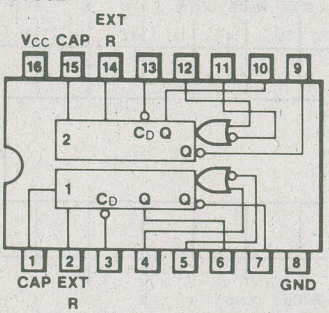
ECG9601



Retriggerable Monostable Multivibrator

Diag. 269 — 16-Pin DIP See Fig. D8

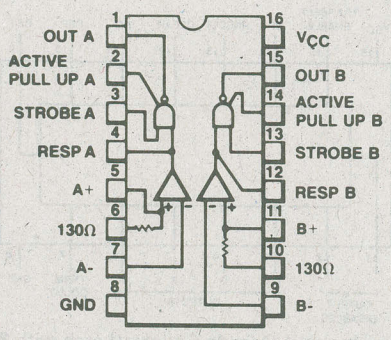
ECG9602, ECG96L02, ECG96LS02, ECG96S02



Dual Retriggerable/Resettable Monostable Multivibrator

Diag. 270 — 16-Pin DIP See Fig. D8

ECG9615



Dual Differential Line Receiver

Package Outlines - See Page 1-379

Interface, Display Driver Integrated Circuits

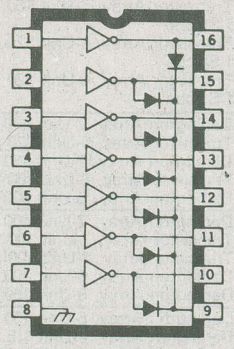
ECG No.	Description	Page No.	Fig. No.
74C48	IC-CMOS BCD-7-Segment Decoder	1-349	D8
74C925	IC-CMOS 4-Digit Counter, Multiplex 7-Segment Driver	1-365	D8
74LS47	IC-TTL Lo Pwr Schottky BCD-to-7-Segment Decoder/Driver	1-349	D8
74SL48	IC-TTL Lo Pwr Schottky BCD-to-7-Segment Decoder/Driver	1-349	D8
74LS49	IC-TTL Lo Pwr Schottky BCD-to-7-Segment Decoder/Driver	1-349	D6
74LS240	IC-TTL Lo Pwr Schottky Octal 3-State Driver	1-359	D12
74LS241	IC-TTL Lo Pwr Schottky Octal 3-State Driver	1-360	D12
74LS242	IC-TTL Lo Pwr Schottky Quad Bus Transceiver	1-360	D6
74LS243	IC-TTL Lo Pwr Schottky Quad Bus Transceiver	1-360	D6
74LS244	IC-TTL Lo Pwr Schottky Octal 3-State Driver	1-360	D12
74LS247	IC-TTL Lo Pwr Schottky BCD-to-7-Segment Decoder/Driver	1-360	D8
74LS248	IC-TTL Lo Pwr Schottky BCD-to-7-Segment Decoder/Driver	1-360	D8
74LS249	IC-TTL Lo Pwr Schottky BCD-to-7-Segment Decoder/Driver	1-360	D8
74LS366A	IC-TTL Lo Pwr Schottky Hex Inverter/Buffer with Common 2-Input NOR Enable	1-362	D8
74LS367	IC-TTL Lo Pwr Schottky Hex 3-State Buffer with Separate 2-Bit and 4-Bit Sections	1-362	D8
74LS368	IC-TTL Lo Pwr Schottky Hex 3-State Inverter/Buffer with Separate 2-Bit and 4-Bit Sections	1-362	D8
74LS540	IC-TTL Octal 3-State Inverting Buffer/Driver	1-363	D12
74LS541	IC-TTL Octal 3-State Non-Inverting Buffer/Driver	1-363	D12
916	IC-Transistor Array for Digital Segment Displays	1-175	L111
1500	IC-Voltage Level Ind. Dr, 7-Step Output for LED, Log Scale	1-248	L151
1501	IC-Voltage Level Ind. Dr, 7-Step Output for LED, Linear Scale	1-248	L151
1502	IC-Voltage Level Ind. Dr, 5-Step Output for LED, Linear Scale	1-248	L41
1503	IC-Voltage Level Ind. Dr, 5-Step Output for LED, Log Scale	1-248	L41
1504	IC-Voltage Level Ind. Dr, 5-Step Log, Open Collector Outputs	1-248	L97
1505	IC-Voltage Level Ind. Dr, 5-Step Linear, Open Collector Outputs	1-248	L97
1506	IC-Voltage Level Ind. Dr, 10-Step Linear, Open Collector Outputs	1-248	L111
1507	IC-Voltage Level Ind. Dr, 10-Step Linear, Open Emitter Outputs	1-248	L111
1508	IC-Voltage Level Ind. Dr, 10-Step Linear, Open Collector Outputs	1-249	L115
1509	IC-Voltage Level Ind. Dr, 10-Step Log, Open Collector Outputs	1-249	L115
1510	IC-Voltage Level Ind. Dr, 5-Step Output for LED, Linear Scale	1-249	L35
1511	IC-Voltage Level Ind. Dr, 5-Step Output for LED, Linear Scale	1-249	L144
1512	IC-Voltage Level Ind. Dr, 5-Step Output for LED, Log Scale	1-249	L144
1513	IC-Voltage Level Ind. Dr, 9-Step Output for LED, Log Scale	1-249	L111
1514	IC-Voltage Level Ind. Dr, 5-Step Output for LED, Log Scale	1-249	L111
1515	IC-Voltage Level Ind. Dr, 5-Step Output for LED, Log Scale	1-249	L111
1519	IC-Voltage Level Ind. Dr, 10-Step Output for LED, Linear Scale	1-250	L111
1537	IC-Time-Frequency Display Dr for AM/FM w/Stopwatch Day/Date (CMOS)	1-252	L126
2011	IC-7 Channel MOS/TTL Input Driver	1-370	D8
2012	IC-7 Channel PMOS Input Driver	1-370	D8
2013	IC-7 Channel CMOS/TTL Input Driver	1-370	D8
2014	IC-7 Channel CMOS/PMOS Input Driver	1-370	D8
2015	IC-7 Channel CMOS/TTL Input Driver	1-370	D8
2016	IC-8 Channel MOS/TTL Input Driver	1-370	D10
2017	IC-8 Channel PMOS Input Driver	1-370	D10
2018	IC-8 Channel CMOS/TTL Input Driver	1-370	D10
2019	IC-8 Channel CMOS/PMOS Input Driver	1-370	D10
2020	IC-8 Channel CMOS/TTL Input Driver	1-370	D10
2021	IC-8 Digit/Segment Display Driver	1-370	D10
2022	IC-8 Digit/Segment Display Driver	1-370	D10
2023	IC-7 Segment Display Driver	1-370	D8
2024	IC-2 Digit BCD-to-7-Segment Decoder/Driver	1-370	D15
2025	IC-Quad HV Display Driver for Gas Discharge Displays	1-370	D6
2026	IC-Hex HV Display Driver for Gas Discharge Displays	1-370	D8
2027	IC-Hex LED Digit Driver, MOS Compatible	1-370	D6
2028	IC-7-Segment HV Decoder/Driver for Gas Filled Displays	1-370	D8
2029	IC-HV Digit Driver for Gas Discharge Displays	1-370	D8
2030	IC-HV Segment Driver for Gas Discharge Displays	1-370	D10
2031	IC-HV Digit Driver for Gas Discharge Displays (Active Low Inputs)	1-371	D8
2032	IC-BCD-to-7-Segment Decoder/Driver with Constant Current Outputs	1-371	D8
2070	IC-Transistor Array, 7-Unit 150 mA with Clamp Diode and Strobe	1-371	D10
2071	IC-Transistor Array, 7-Unit 150 mA with Clamp Diode and Strobe	1-371	D10
2072	IC-Transistor Array, 6-Unit 320 mA with Clamp Diode and Strobe	1-371	D8
2073	IC-Transistor Array, 6-Unit 320 mA with Clamp Diode and Strobe	1-371	D8
2074	IC-Darlington Array, 7-Unit 400 mA with Clamp Diode	1-370	D8
2075	IC-Transistor Array, 5-Unit 320 mA with Strobe	1-371	D6
2076	IC-Darlington Array, 7-Unit 150 mA with Clamp Diode	1-370	D8
2077	IC-Transistor Array, 6-Unit 150 mA with Clamp Diode	1-371	D6
2078	IC-Darlington Array, 5-Unit 500 mA	1-371	D6
2079	IC-Darlington Array, 7-Unit 400 mA	1-371	D8
2080	IC-Transistor Array, 7-Unit 100 mA with Strobe	1-371	D10
2081	IC-Transistor Array, 7-Unit 100 mA Drivers	1-370	D8
2082	IC-Darlington Array, 6-Unit 100 mA	1-371	D7
2083	IC-Darlington Array, 6-Unit 150 mA	1-371	D7
2084	IC-Darlington Array, 5-Unit 150 mA	1-371	D7
2085	IC-Darlington Array, 4-Unit 1.5 A	1-371	D8
2086	IC-Darlington Array, 4-Unit 1.5 A (PMOS Compatible Inputs)	1-371	D8
2087	IC-Darlington Array, 4-Unit 1.5 A with Pre-Driver Stage	1-371	D8
2088	IC-Darlington Array, 4-Unit 1.5 A with Pre-Driver Stage	1-371	D8
2090	IC-Transistor Array, 7-Unit 150 mA with Clamp Diode	1-372	D8
4055B	IC-CMOS BCD-7-Segment Decoder/Driver	1-321	D8
4056B	IC-CMOS BCD-to-7-Segment Decoder/Driver with Strobed Latch	1-321	D8
4511B	IC-CMOS BCD-to-7-Segment Latch Decoder/Driver	1-324	D8
4513B	IC-CMOS BCD-to-7-Segment Latch/Decoder/Driver with Ripple Blanking	1-324	D8
6880	IC-Schottky Quad 3-State Inverting Bus Transceiver	1-372	D8
6885	IC-Schottky Hex Hi Speed 3-State Non-Inverting Bus/Interface Driver with Common Enable	1-372	D8
6886	IC-Schottky Hex Hi Speed 3-State Inverting Bus/Interface Driver with Common Enable	1-372	D8
6887	IC-Schottky Hex Hi Speed 3-State Non-Inverting Bus/Interface Driver with 2-Line and 4-Line Enable	1-372	D8
6888	IC-Schottky Hex Hi Speed 3-State Inverting Bus/Interface Driver with 2-Line and 4-Line Enable	1-372	D8
6889	IC-Schottky Quad 3-State Non-Inverting Bus Transceiver	1-372	D8
7441	IC-TTL 1-of-10 Decoder/Driver for Cold Cathode Indicator Tubes	1-348	D8
7445	IC-TTL BCD-to-Decimal Decoder/Driver (30V)	1-349	D8
7446	IC-TTL BCD-to-7-Segment Decoder/Driver (30V)	1-349	D8
7447	IC-TTL BCD-to-7-Segment Decoder/Driver (15V)	1-349	D8
7448	IC-TTL BCD-to-7-Segment Decoder/Driver	1-349	D8
8368	IC-TTL 7-Segment Latch/Decoder/Driver for Common Cathode LED	1-367	D6
8370	IC-TTL 7-Segment Decoder/Driver/Latch with Open Collector Outputs	1-367	D8
8374	IC-TTL 7-Segment Latch/Decoder/Driver for Common Anode LED	1-367	D8
9380	IC-HLL BCD-to-Decade Decoder/Lamp Driver	1-335	D8
9381	IC-HLL BCD-to-Decade Decoder/Logic Driver	1-335	D8
9382	IC-HLL BCD-to-Decade Decoder/Gas Discharge Tube Driver	1-335	D8
9383	IC-HLL BCD-to-7-Segment Decoder/Driver	1-335	D8
9679	IC-HTL Dual Lamp/Line Driver	1-338	D6
9696	IC-HTL Dual Interface Element Line Driver/Receiver	1-339	D8
74141	IC-TTL BCD-to-Decimal Decoder/Driver	1-355	D8
74142	IC-TTL BCD Counter/4-Bit Latch/BCD Decoder/Driver	1-355	D8
74143	IC-TTL 4-Bit Counter/Latch and Decoder/Driver for 7-Segment LED Displays	1-356	D15
74144	IC-TTL 4-Bit Counter/Latch and Decoder/Driver with Open Collector Outputs	1-356	D15
74145	IC-TTL BCD-to-Decimal Decoder/Driver	1-356	D8
74249	IC-TTL BCD-to-7-Segment Decoder/Driver	1-360	D8
74365	IC-TTL Hex Non-Inverting 3-State Bus Driver with Common Enable	1-360	D8
74366	IC-TTL Hex Inverting 3-State Bus Driver with Common Enable	1-362	D8
74367	IC-TTL Hex Non-Inverting 3-State Bus Driver with 4-Line and 2-Line Enable	1-362	D8
74368	IC-TTL Hex Inverting 3-State Bus Driver with 4-Line and 2-Line Enable	1-362	D8
75188	IC-DTL Quad Line Driver	1-372	D6
75189	IC-DTL Quad Line Receiver	1-372	D6
75450B	IC-Dual Peripheral AND Driver	1-372	D6
75451B	IC-Dual Peripheral AND Driver	1-372	D4
75452B	IC-Dual Peripheral NAND Driver	1-372	D4
75453B	IC-Dual Peripheral OR Driver	1-373	D4
75454B	IC-Dual Peripheral NOR Driver	1-373	D4
75491B	IC-4-Segment MOS to LED Anode Driver	1-373	D6
75492B	IC-6 Digit MOS to LED Cathode Driver	1-373	D6
75493	IC-4-Segment MOS to LED Anode Driver	1-373	D8
75494	IC-6 Digit MOS to LED Cathode Driver	1-373	D8
75497	IC-7 Digit MOS to LED Cathode Driver	1-373	D8
75498	IC-9 Digit MOS to LED Cathode Driver	1-373	D12

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Display Driver Circuits

ECG	I_O Max*
2011	600 mA
2012	600 mA
2013	600 mA
2014	600 mA
2015	600 mA
2074	400 mA
2076	150 mA
2081	100 mA

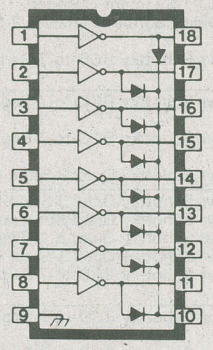
16-Pin DIP See Fig. D8



7 Unit Darlington Array/Driver

ECG	I_O Max*
2016	600 mA
2017	600 mA
2018	600 mA
2019	600 mA
2020	600 mA

18-Pin DIP See Fig. D10

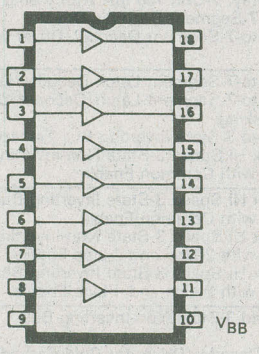


8 Unit Darlington Array/Driver

ECG	I_O Max*
2021	40 mA
2022	40 mA

18-Pin DIP See Fig. D10

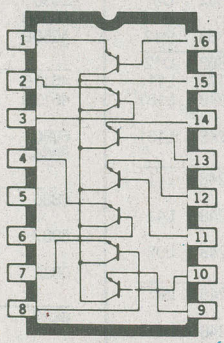
V_{BB} = +80 V



8 Digit/Segment, Darlington Array/Driver

ECG	I_O Max*
2023	200 mA

16-Pin DIP See Fig. D8

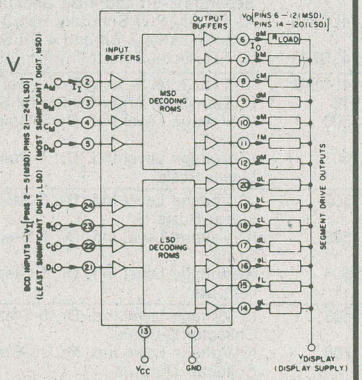


7 Segment/LED, Transistor Array/Driver

ECG	I_O Max*
2024	25 mA

24-Pin DIP See Fig. D15

V_{CC} = +5 V

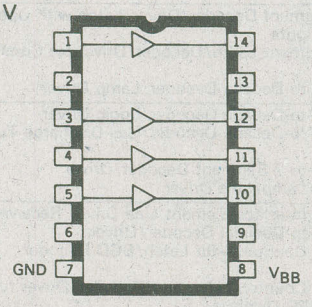


2 Digit BCD-to-7 Segment Decoder/Driver

ECG	I_O Max*
2025	40 mA

14-Pin DIP See Fig. D6

V_{BB} = +100 V

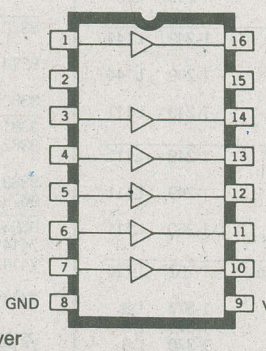


4 HV Digit Driver

ECG	I_O Max*
2026	40 mA

16-Pin DIP See Fig. D8

V_{BB} = +100 V

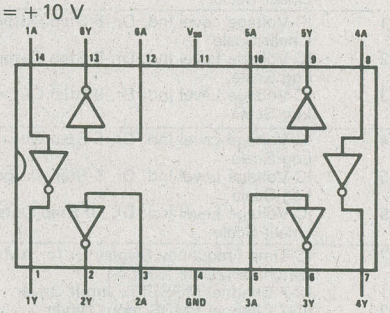


6 HV Digit Driver

ECG	I_O Max*
2027	350 mA

14-Pin DIP See Fig. D6

V_{SS} = +10 V

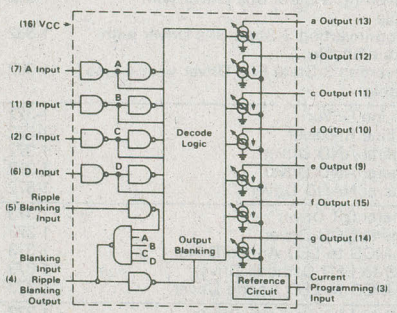


6 Digit Driver

ECG	I_O Max*
2028	1.5 mA

16-Pin DIP See Fig. D8

V_{CC} = +5 V

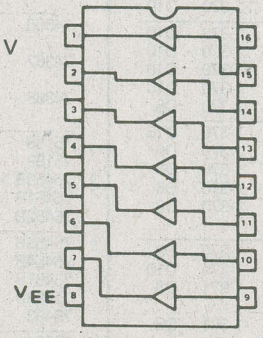


BCD-to-7 Segment Decoder/Driver

ECG	I_O Max*
2029	50 mA

16-Pin DIP See Fig. D8

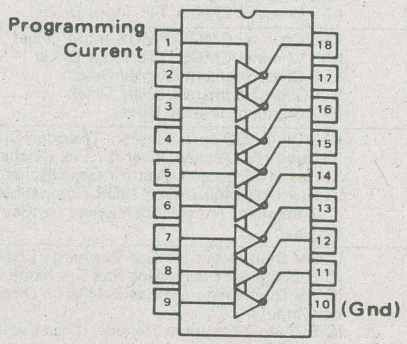
V_{EE} = −55 V
V_{CC} = GND



7 HV Digit Driver (Active High Input)

ECG
2030

18-Pin DIP See Fig. D10



8 HV Segment Driver

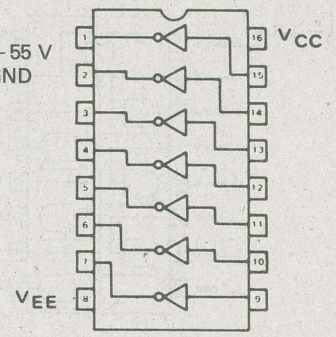
* I_O Max = Max Current Per Output

Package Outlines - See Page 1-379

Display Driver Circuits (cont'd)

ECG 2031 — I_O Max* 50 mA — 16-Pin DIP, See Fig. D8

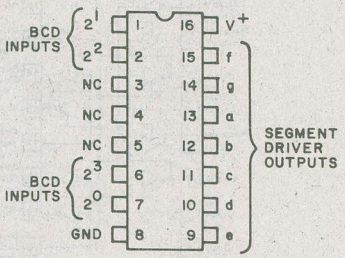
$V_{EE} = -55$ V
$V_{CC} = GND$



7 HV Digit Driver (Active Low Input)

ECG 2032 — I_O Max* 30 mA — 16-Pin DIP, See Fig. D8

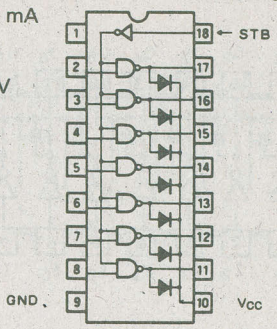
$V^+ = +5$ V



BCD-to-7 Segment Decoder/Driver, w/Constant Current Outputs

ECG 2070 — I_O Max* 150 mA — 18-Pin DIP, See Fig. D10
ECG 2071 — I_O Max* 150 mA

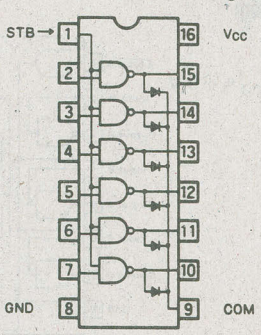
$V_{CC} = +6$ V



7 Unit Transistor Array/Driver, w/Clamp Diode and Strobe

ECG 2072 — I_O Max* 320 mA — 16-Pin DIP, See Fig. D8
ECG 2073 — I_O Max* 320 mA

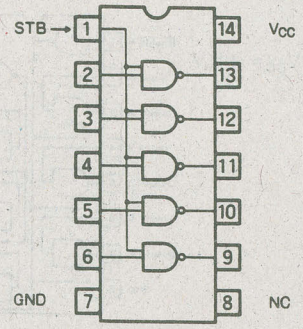
$V_{CC} = +6$ V



6 Unit Transistor Array/Driver, w/Clamp Diode and Strobe

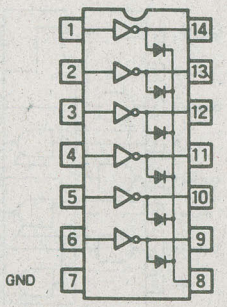
ECG 2075 — I_O Max* 320 mA — 14-Pin DIP, See Fig. D6

$V_{CC} = +6$ V



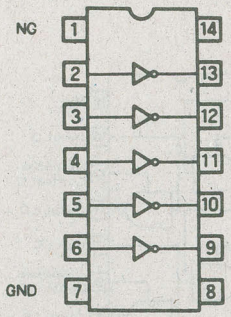
5 Unit Transistor Array/Driver, w/Strobe

ECG 2077 — I_O Max* 150 mA — 14-Pin DIP, See Fig. D6, 14-Pin DIP-ET See Fig. D7
ECG 2082 — I_O Max* 100 mA



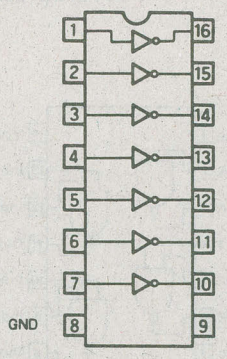
6 Unit Darlington Array/Driver, w/Clamp Diode

ECG 2078 — I_O Max* 500 mA — 14-Pin DIP, See Fig. D6, 14-Pin DIP-ET See Fig. D7
ECG 2084 — I_O Max* 500 mA



5 Unit Darlington Array/Driver

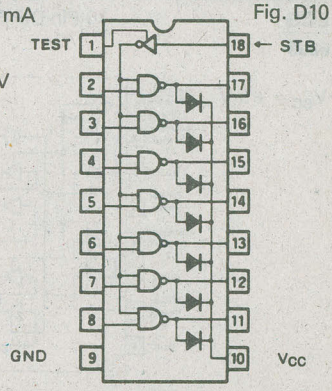
ECG 2079 — I_O Max* 400 mA — 16-Pin DIP, See Fig. D8



7 Unit Darlington Array/Driver

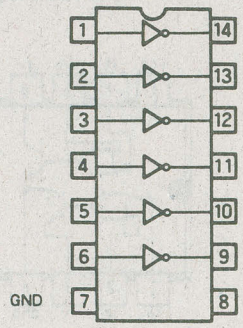
ECG 2080 — I_O Max* 100 mA — 18-Pin DIP See Fig. D10

$V_{CC} = +8$ V



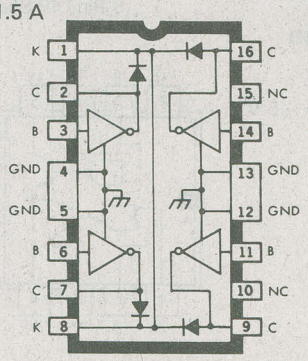
7 Unit Transistor Array/Driver, w/Strobe

ECG 2083 — I_O Max* 150 mA — 14-Pin DIP-ET See Fig. D7



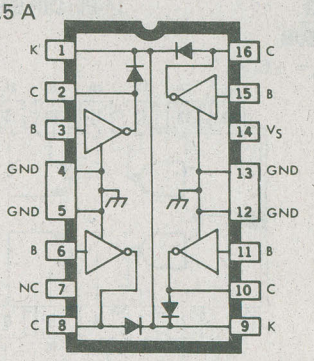
6 Unit Darlington Array/Driver

ECG 2085 — I_O Max* 1.5 A — 16-Pin DIP, See Fig. D8
ECG 2086 — I_O Max* 1.5 A



4 Unit Darlington Array/Driver

ECG 2087 — I_O Max* 1.5 A — 16-Pin DIP, See Fig. D8
ECG 2088 — I_O Max* 1.5 A



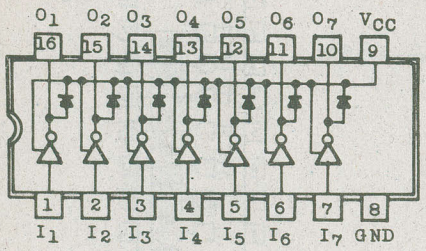
4 Unit Darlington Array/Driver, w/Pre-Driver

* I_O Max = Current Per Transistor

Package Outlines - See Page 1-379

Display Driver Circuits (cont'd)

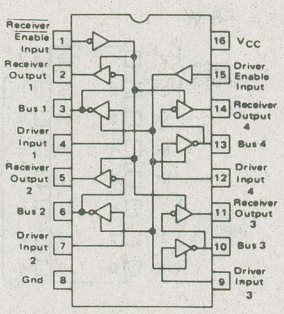
ECG 2090 — I_O Max* 150 mA — 16-Pin DIP See Fig. D8



7 Unit Transistor Array/Driver, w/Clamp Diode

ECG 6880 — 16-Pin DIP See Fig. D8

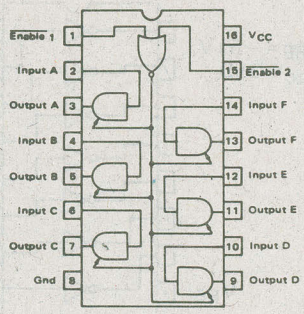
$V_{CC} = +5$ V



Schottky Quad 3-State Bus Transceiver (Inverting)

ECG 6885 — 16-Pin DIP See Fig. D8

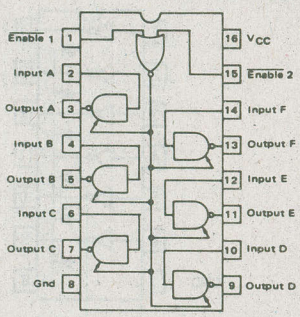
$V_{CC} = +5$ V



Schottky Hex 3-State Bus/IF Driver with Common Enable (Non-Inverting)

ECG 6886 — 16-Pin DIP See Fig. D8

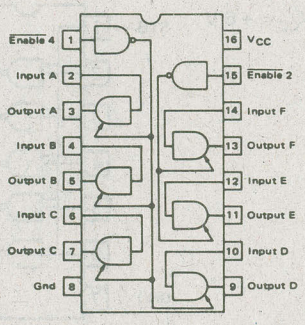
$V_{CC} = +5$ V



Schottky Hex 3-State Bus/IF Driver, with Common Enable (Inverting)

ECG 6887 — 16-Pin DIP See Fig. D8

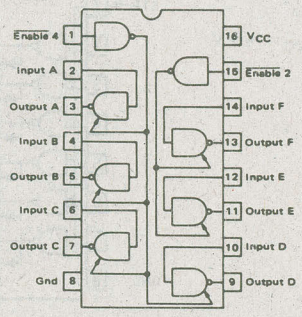
$V_{CC} = +5$ V



Schottky Hex 3-State Bus/IF Driver, w/2 & 4 Line Enable (Non-Inverting)

ECG 6888 — 16-Pin DIP See Fig. D8

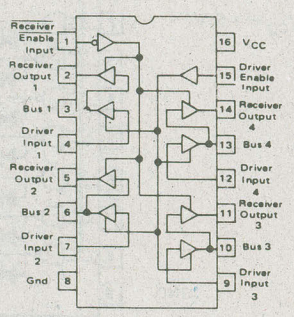
$V_{CC} = +5$ V



Schottky Hex 3-State Bus/IF Driver, w/2 & 4 Line Enable (Inverting)

ECG 6889 — 16-Pin DIP See Fig. D8

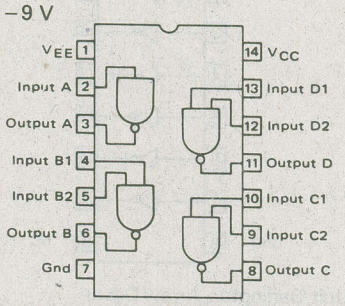
$V_{CC} = +5$ V



Schottky Quad 3-State Bus Transceiver (Non-Inverting)

ECG 75188 — 14-Pin DIP See Fig. D6

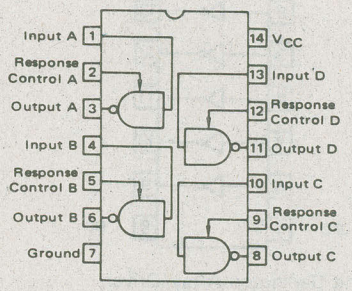
$V_{CC} = +9$ V
$V_{EE} = -9$ V



DTL Quad Line Driver

ECG 75189 — 14-Pin DIP See Fig. D6

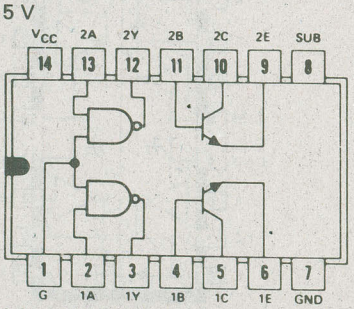
$V_{CC} = +5$ V



DTL Quad Line Receiver

ECG 75450B — 14-Pin DIP See Fig. D6

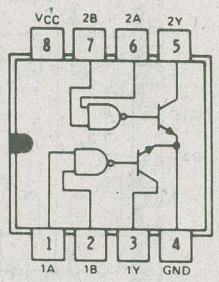
$V_{CC} = +5$ V



Dual Peripheral (NAND) AND Driver

ECG 75451B — 8-Pin DIP See Fig. D4

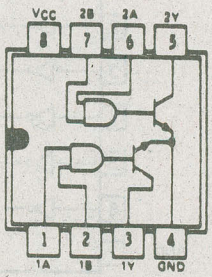
$V_{CC} = +5$ V



Dual Peripheral AND Driver

ECG 75452B — 8-Pin DIP See Fig. D4

$V_{CC} = +5$ V



Dual Peripheral NAND Driver

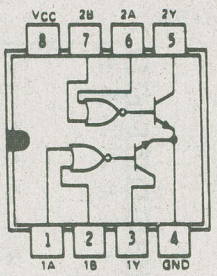
* I_O Max = Max Current Per Output

Package Outlines - See Page 1-379

Display Driver Circuits (cont'd)

ECG 75453B — 8-Pin DIP See Fig. D4

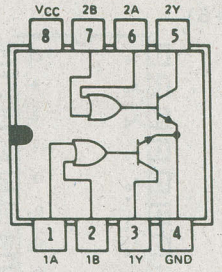
V_{CC} = +5 V



Dual Peripheral OR Driver

ECG 75454B — 8-Pin DIP See Fig. D4

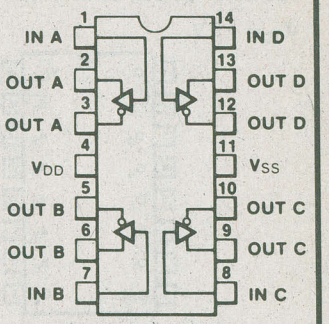
V_{CC} = +5 V



Dual Peripheral NOR Driver

ECG 75491B — I_O Max* 50 mA — 14-Pin DIP See Fig. D6

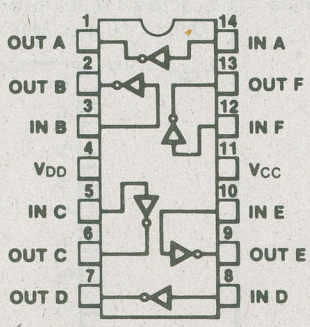
V_{SS} = +20 V
V_{DD} = GND



4 Unit Darlington LED Segment Driver

ECG 75492B — I_O Max* 250 mA — 14-Pin DIP See Fig. D6

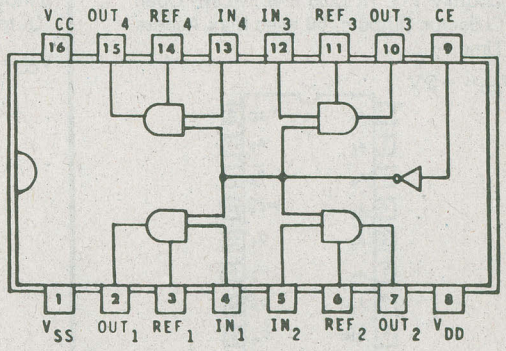
V_{CC} = +10 V
V_{DD} = GND



6 Unit Darlington Digit Driver

ECG 75493 — I_O Max* 25 mA — 16-Pin DIP See Fig. D8

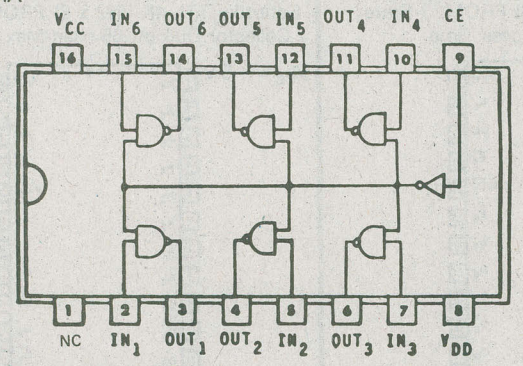
V_{CC} = +5 V
V_{SS} = +8 V
V_{DD} = GND



4 Unit LED Segment Driver, w/Blanking

ECG 75494 — I_O Max* 150 mA — 16-Pin DIP See Fig. D8

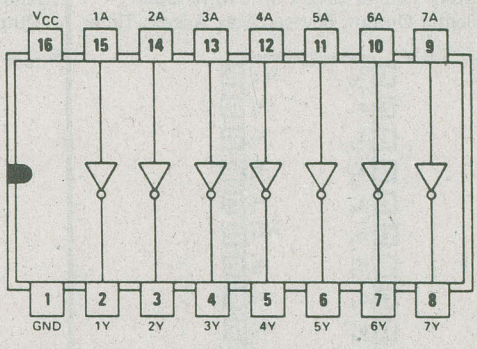
V_{CC} = +5 V
V_{DD} = GND



6 Unit LED Digit Driver, w/Blanking

ECG 75497 — I_O Max* 100 mA — 16-Pin DIP See Fig. D8

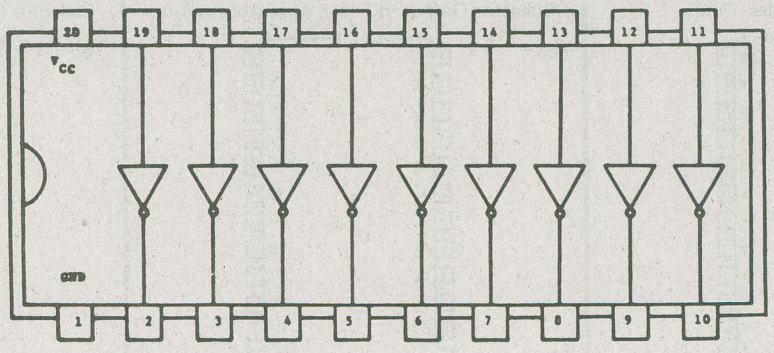
V_{CC} = +6 V



7 Unit LED Digit Driver

ECG 75498 — I_O Max* 100 mA — 20-Pin DIP See Fig. D12

V_{CC} = +6 V



9 Unit LED Digit Driver

P

* I_O Max = Max Current Per Output

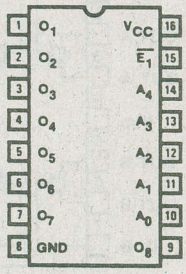
Package Outlines - See Page 1-379

Microprocessor and Memory Circuits

ECG74S188 16-Pin DIP See Fig. D8

Schottky TTL 256 Bit (32 x 8) PROM, Open Collector Output, 35 nsec Max Access Time

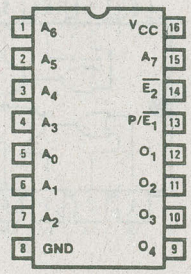
$V_{CC} = +5\,V$



ECG74S287 16-Pin DIP See Fig. D8

Schottky TTL 1K (256 x 4) PROM, 3-State Output, 50 nsec Max Access Time

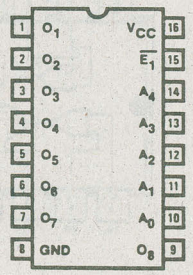
$V_{CC} = +5\,V$



ECG74S288 16-Pin DIP See Fig. D8

Schottky TTL 256 Bit (32 x 8) PROM, 3-State Output, 35 nsec Max Access Time

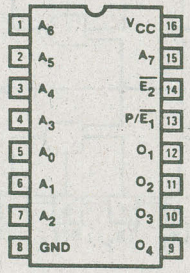
$V_{CC} = +5\,V$



ECG74S387 16-Pin DIP See Fig. D8

Schottky TTL 1K (256 x 4) PROM, Open Collector Outputs, 50 nsec Max Access Time

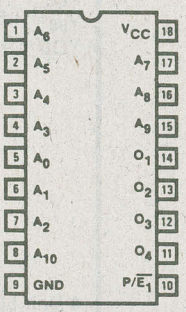
$V_{CC} = +5\,V$



ECG74S454 18-Pin DIP See Fig. D10

Schottky TTL 8K (2048 x 4) PROM, 3-State Output, 55 nsec Max Access Time

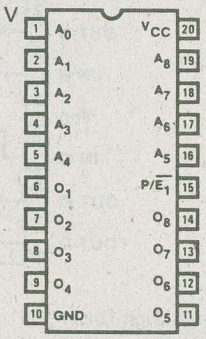
$V_{CC} = +5\,V$



ECG74S472 20-Pin DIP See Fig. D12

Schottky TTL 4K (512 x 8) PROM, 3-State Output, 60 nsec Max Access Time

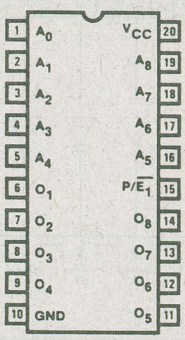
$V_{CC} = +5\,V$



ECG74S473 20-Pin DIP See Fig. D12

Schottky TTL 4K (512 x 8) PROM, Open Collector Output, 60 nsec Max Access Time

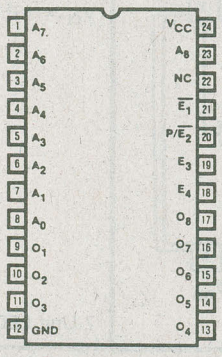
$V_{CC} = +5\,V$



ECG74S474 24-Pin DIP See Fig. D15

Schottky TTL 4K (512 x 8) PROM, 3-State Output, 65 nsec Max Access Time

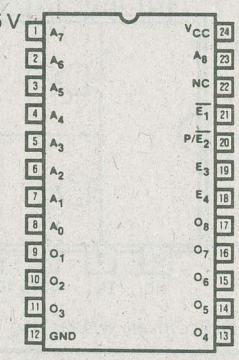
$V_{CC} = +5\,V$



ECG74S475 24-Pin DIP See Fig. D15

Schottky TTL 4K (512 x 8) PROM, Open Collector Output, 65 nsec Max Access Time

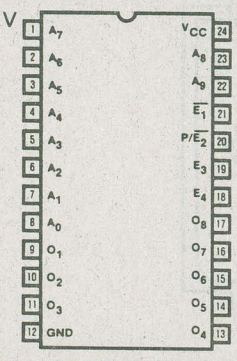
$V_{CC} = +5\,V$



ECG74S478 24-Pin DIP See Fig. D15

Schottky TTL 8K (1024 x 8) PROM, 3-State Output, 60 nsec Max Access Time

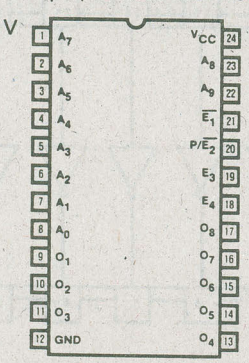
$V_{CC} = +5\,V$



ECG74S479 24-Pin DIP See Fig. D15

Schottky TTL 8K (1024 x 8) PROM, Open Collector Output, 60 nsec Max Access Time

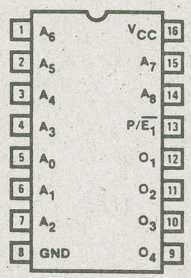
$V_{CC} = +5\,V$



ECG74S570 16-Pin DIP See Fig. D8

Schottky TTL 2K (512 x 4) PROM, Open Collector Output, 55 nsec Max Access Time

$V_{CC} = +5\,V$



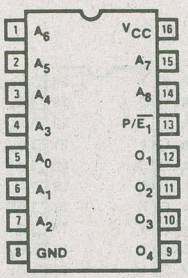
Package Outlines - See Page 1-379

Microprocessor and Memory Circuits (cont'd)

ECG74S571 16-Pin DIP See Fig. D8

Schottky TTL 2K (512 x 4) PROM, 3-State Output, 55 nsec Max Access Time

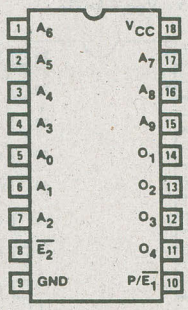
$V_{CC} = +5\ V$



ECG74S572 18-Pin DIP See Fig. D10

Schottky TTL 4K (1024 x 4) PROM, Open Collector Output, 60 nsec Max Access Time

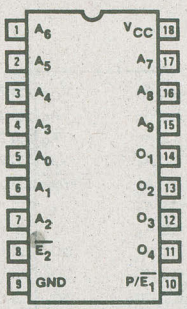
$V_{CC} = +5\ V$



ECG74S573 18-Pin DIP See Fig. D10

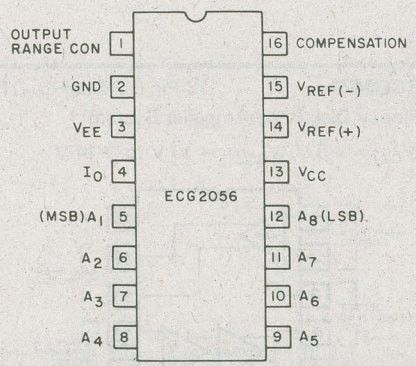
Schottky TTL 4K (1024 x 4) PROM, 3-State Output, 60 nsec Max Access Time

$V_{CC} = +5\ V$



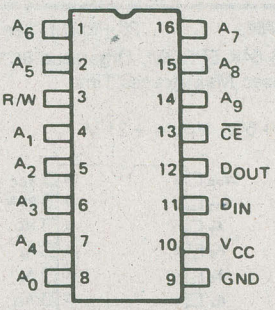
ECG2056 16-Pin DIP See Fig. D9

Digital to Analog Converter



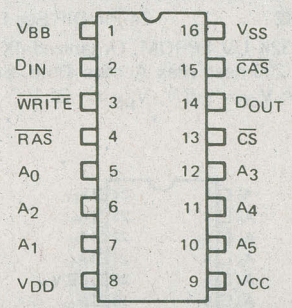
ECG2102 16-Pin DIP See Fig. D8

NMOS 1K Static RAM (SRAM), Organized 1K by 1 Bit, 350 nsec Max Access Time. Single supply: $V_{CC} = +5\ V$



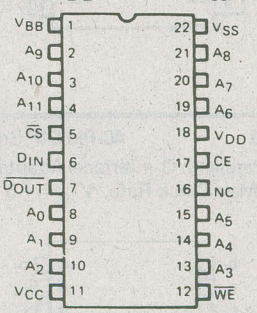
ECG2104 16-Pin DIP See Fig. D8

NMOS 4K Dynamic RAM (DRAM), Organized 4K by 1 Bit, 200 nsec Max Access Time. Triple Supply: $V_{CC} = +5\ V$, $V_{BB} = -5\ V$, $V_{DD} = +12\ V$, $V_{SS} = GND$



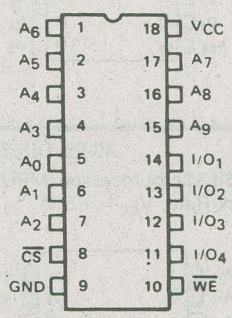
ECG2107 22-Pin DIP See Fig. D13

NMOS 4K Dynamic RAM (DRAM), Organized 4K by 1 Bit, 200 nsec Max Access Time. Triple Supply: $V_{CC} = +5\ V$, $V_{BB} = -5\ V$, $V_{DD} = +12\ V$, $V_{SS} = GND$



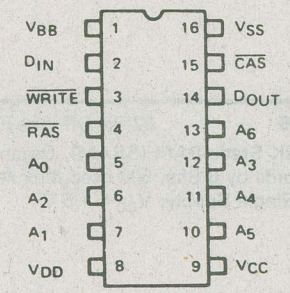
ECG2114 18-Pin DIP See Fig. D10

NMOS 4K Static RAM (SRAM), Organized 1K by 4 Bits, 300 nsec Max Access Time Single Supply: $V_{CC} = +5\ V$



ECG2117 16-Pin DIP See Fig. D8

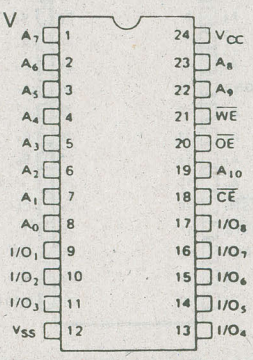
NMOS 16K Dynamic RAM (DRAM), Organized 16K by 1 Bit, 200 nsec Max Access Time. Triple Supply: $V_{CC} = +5\ V$, $V_{BB} = -5\ V$, $V_{DD} = +12\ V$, $V_{SS} = GND$



ECG2128 24-Pin DIP See Fig. D15

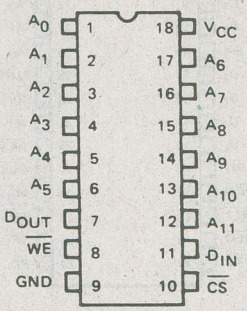
NMOS 16K Static RAM (SRAM), Organized 2K by 8 Bits, 150 nsec Max Access Time

$V_{CC} = +5\ V$



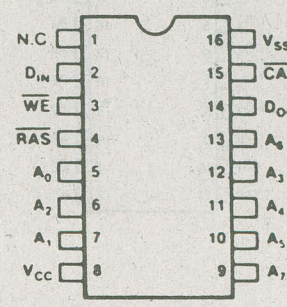
ECG2147 18-Pin DIP See Fig. D10

NMOS 4K Static RAM (SRAM), Organized 4K by 1 Bit, 55 nsec Max Access Time. Single Supply: $V_{CC} = +5\ V$



ECG2164 16-Pin DIP See Fig. D8

NMOS 64K Dynamic RAM (DRAM) Organized 64K by 1 Bit, 150 nsec Max Access Time, $V_{CC} = +5\ V$



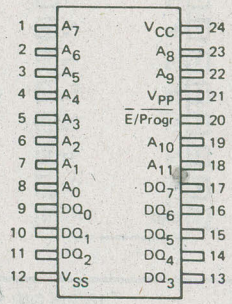
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Package Outlines - See Page 1-379

Microprocessor and Memory Circuits (cont'd)

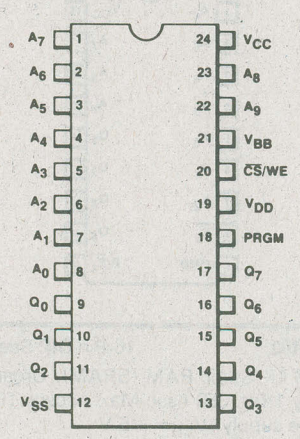
ECG2532 24-Pin DIP See Fig. D16

NMOS 32K UV EPROM, Organized 4K by 8 Bits, 300 nsec Max Access Time. Single Supply: $V_{CC} = +5$ V, $V_{PP} = +25$ V



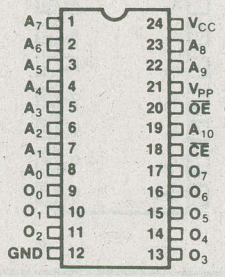
ECG2708 24-Pin DIP See Fig. D16

NMOS 8K UV EPROM, Organized 1K by 8 Bits, 450 nsec Max Access Time. Triple Supply: $V_{CC} = +5$ V, $V_{BB} = -5$ V, $V_{DD} = +12$ V, $V_{SS} = GND$



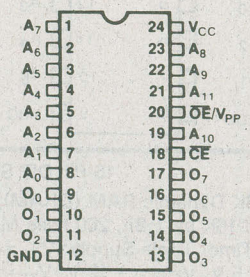
ECG2716 24-Pin DIP See Fig. D16

NMOS 16K UV EPROM, Organized 2K by 8 Bits, 450 nsec Max Access Time. Single Supply: $V_{CC} = +5$ V, $V_{PP} = +25$ V



ECG2732 24-Pin DIP See Fig. D16

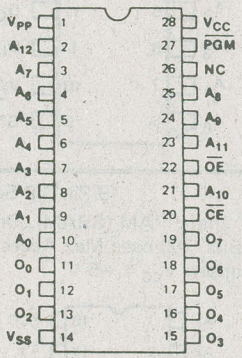
NMOS 32K UV EPROM, Organized 4K by 8 Bits, 200 nsec Max Access Time. Single Supply: $V_{CC} = +5$ V, $V_{pp} = +21$ V



ECG2764 28-Pin DIP See Fig. D18-1

NMOS 64K EPROM, Organized 8K by 8 Bits, 200 nsec Max Access Time

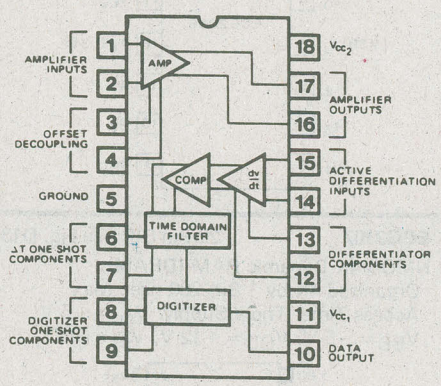
$V_{CC} = +5$ V, $V_{PP} = +21$ V



ECG3470 18-Pin DIP See Fig. D11

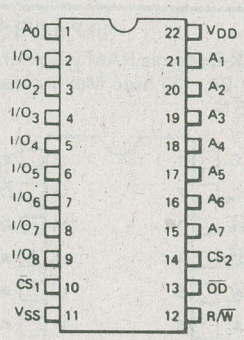
Floppy Disk Read Amplifier System

$V_{cc1} = +5$ V, $V_{cc2} = +10$ V to $+14$ V



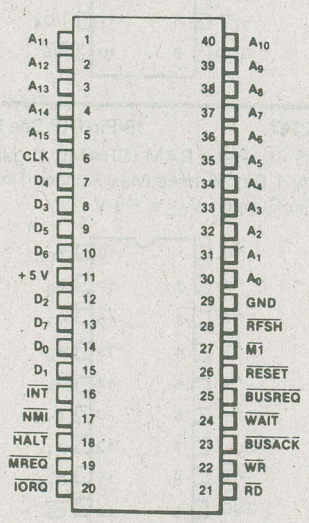
ECG3539 22-Pin DIP See Fig. D13

NMOS 2K Static RAM (SRAM), Organized 256 Words by 8 Bits, 500 nsec Max Access Time. Single Supply: $V_{CC} = +5$ V



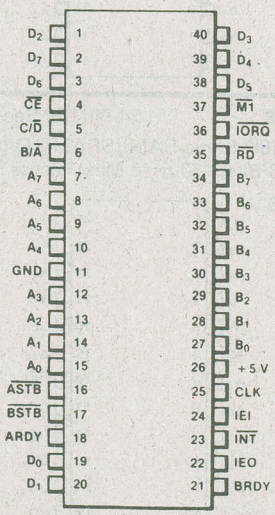
ECG3880 40-Pin DIP See Fig. D19

NMOS 8-Bit Microprocessor (MPU), 4 MHz Max Clock Rate, $V_{CC} = +5$ V



ECG3881 40-Pin DIP See Fig. D19

NMOS Parallel I/O Interface Adapter (PIO), 4 MHz Max Clock Rate, $V_{CC} = +5$ V

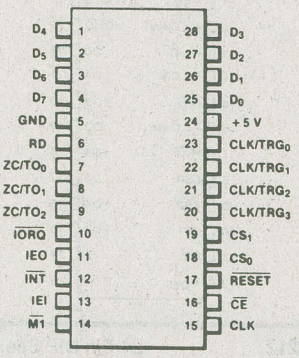


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Microprocessor and Memory Circuits (cont'd)

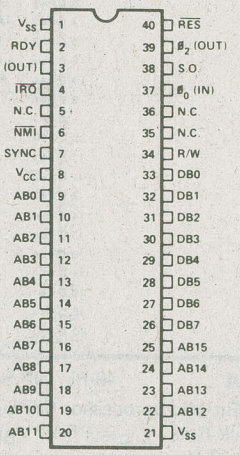
ECG3882 28-Pin Dip See Fig. D17

NMOS Programmable Counter Timer Circuit (CTC), V_{CC} = +5 V



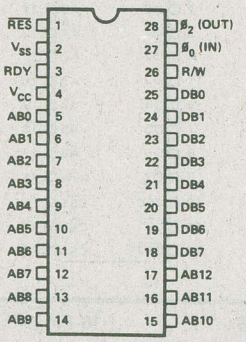
ECG6502 40-Pin DIP See Fig. D19

NMOS 8-Bit Microprocessor (MPU), 1 MHz Max Clock Rate, V_{CC} = +5 V



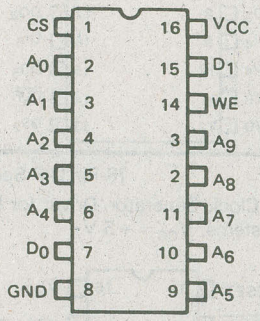
ECG6507 28-Pin DIP See Fig. D18

NMOS 8-Bit Microprocessor (MPU) with Internal Clock Osc/Driver, 1 MHz Max Clock Rate, V_{CC} = +5 V



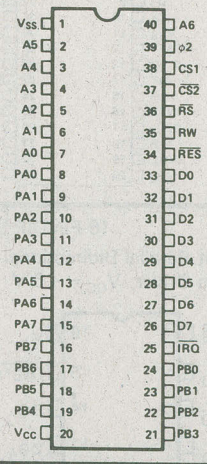
ECG6508 16-Pin DIP See Fig. D8

CMOS 1K Static RAM (SRAM), Organized 1K by 1 Bit, 300 nsec Max Access Time, V_{CC} = +5 V



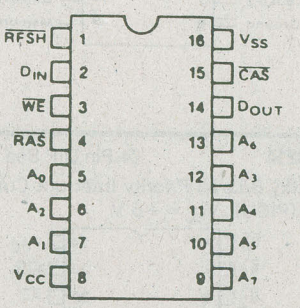
ECG6532 40-Pin DIP See Fig. D19

NMOS Combination 1K Static RAM (128 Words by 8 Bits), I/O and Timer Array, V_{CC} = +5 V



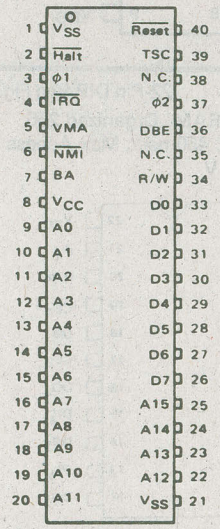
ECG6664 16-Pin DIP See Fig. D8

NMOS 64K Dynamic RAM (DRAM) with Pin #1 Refresh Control, Organized 64K by 1 Bit, 150 nsec Max Access Time, V_{CC} = +5 V



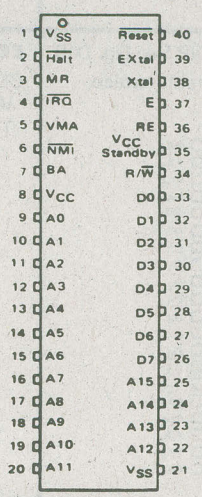
ECG6800 40-Pin DIP See Fig. D19

NMOS 8-Bit Microprocessor (MPU), 1 MHz Max Clock Rate, V_{CC} = +5 V



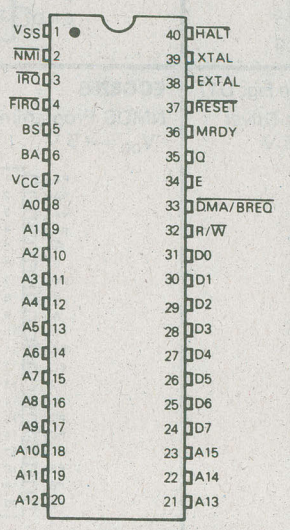
ECG6802 40-Pin DIP See Fig. D19

NMOS 8-Bit Microprocessor (MPU) with Internal Clock Osc/Driver and 128 Bytes of Static RAM, 1 MHz Max Clock Rate, V_{CC} = +5 V



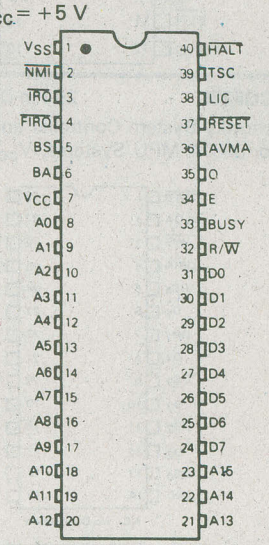
ECG6809 40-Pin DIP See Fig. D19

NMOS 8-Bit Microprocessor (MPU) with Internal Clock Osc/Driver, 1 MHz Max Clock Rate



ECG6809E 40-Pin DIP See Fig. D19

NMOS 8-Bit Microprocessor (MPU) Requires External Clock, 1 MHz Max Clock Rate, V_{CC} = +5 V

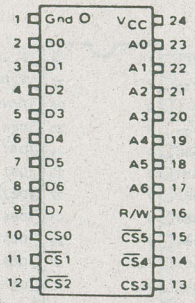


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Microprocessor and Memory Circuits (cont'd)

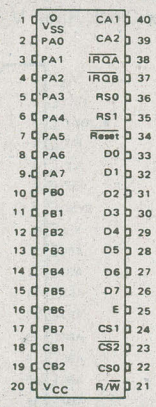
ECG6810 24-Pin DIP See Fig. D15

NMOS 1K Static RAM (SRAM), Organized 128 Words by 8 Bits, 450 nsec Max Access Time, $V_{CC} = +5$ V



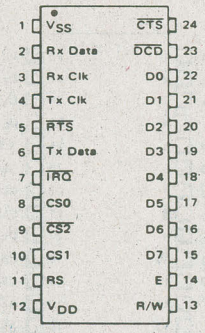
ECG6821 40-Pin DIP See Fig. D19

NMOS Peripheral Interface Adapter (PIA), 1 MHz Max Clock Rate, $V_{CC} = +5$ V



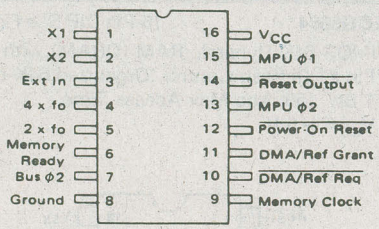
ECG6850 24-Pin DIP See Fig. D15

NMOS Asynchronous Communications Interface Adapter (ACIA), 1 MHz Max Clock Rate, $V_{CC} = +5$ V



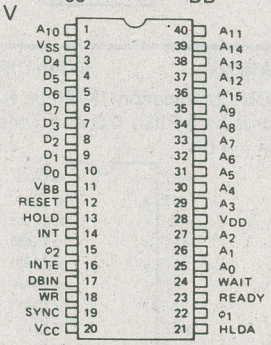
ECG6875 16-Pin DIP See Fig. D8

Schottky Two-Phase Clock Generator/Driver, $V_{CC} = +5$ V



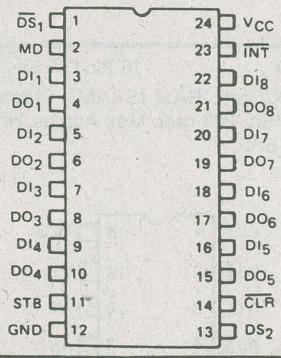
ECG8080A 40-Pin DIP See Fig. D19

NMOS 8-Bit Microprocessor (MPU), 2 MHz Max Clock Rate, $V_{CC} = +5$ V, $V_{BB} = -5$ V, $V_{DD} = +12$ V



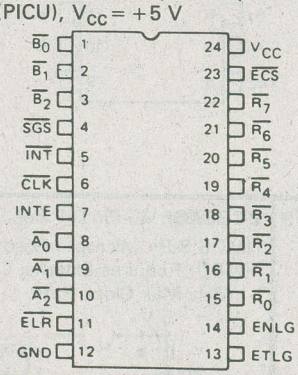
ECG8212 24-Pin DIP See Fig. D15

Schottky 8-Bit Input/Output Port, $V_{CC} = +5$ V



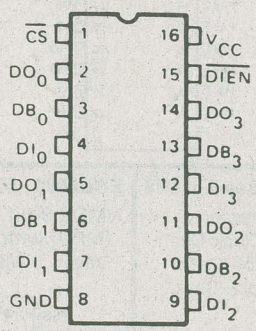
ECG8214 24-Pin DIP See Fig. D15

Schottky 8-Level Priority Interrupt Control Unit (PICU), $V_{CC} = +5$ V



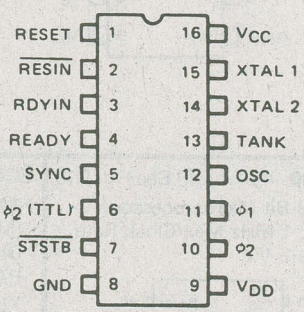
ECG8216 16-Pin DIP See Fig. D8

Schottky 4-Bit Parallel Bidirectional Non-Inverting Bus Driver, $V_{CC} = +5$ V



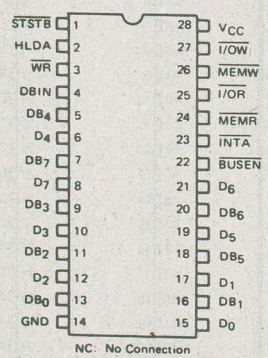
ECG8224 16-Pin DIP See Fig. D8

Schottky Clock Generator/Driver for 8080A MPU Systems, $V_{CC} = +5$ V



ECG8228 28-Pin DIP See Fig. D17

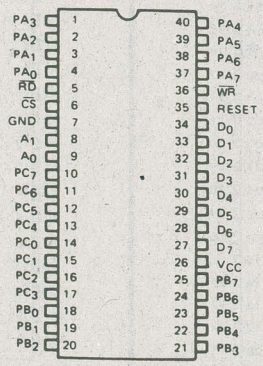
Schottky System Controller and Bus Driver for 8080A MPU Systems, $V_{CC} = +5$ V



NC: No Connection

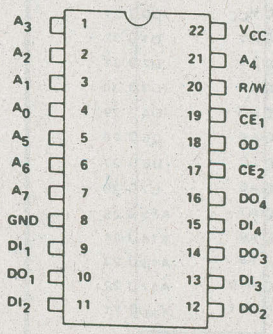
ECG8255 40-Pin DIP See Fig. D19

NMOS Programmable Peripheral Interface, $V_{CC} = +5$ V



ECG65101 22-Pin DIP See Fig. D13

CMOS Static 1K RAM, Organized 256 Words by 4 Bits, 450 nsec Max Access Time, $V_{CC} = +5$ V



Package Outlines - See Page 1-379

Digital, Display Driver, Microprocessor and Memory IC Outlines

Fig. D1 — 4-Pin SIP

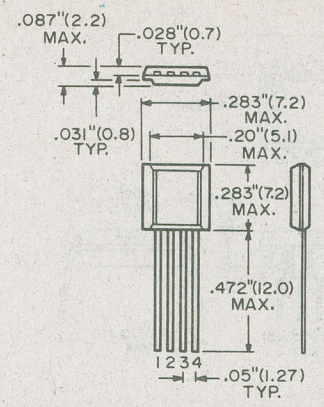


Fig. D2 — 8-Pin Can

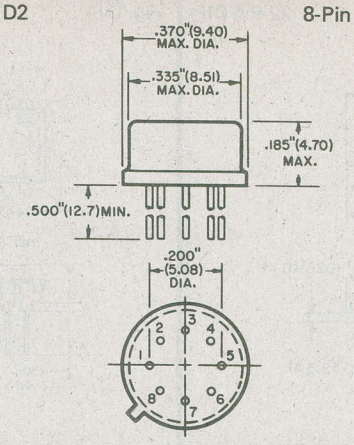


Fig. D3 — 10-Pin Can

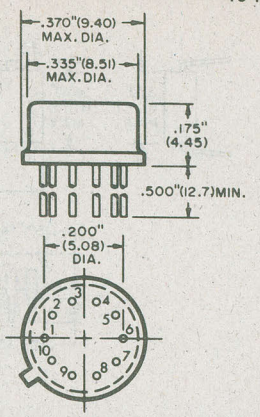


Fig. D4 — 8-Pin DIP

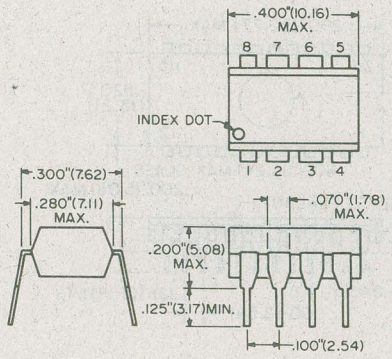


Fig. D5 — 8-Pin DIP

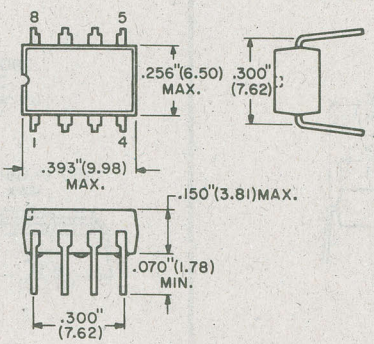


Fig. D6 — 14-Pin DIP

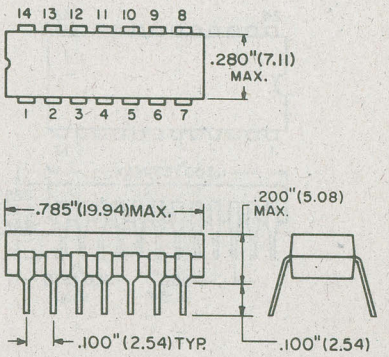


Fig. D7 — 14-Pin DIP-ET

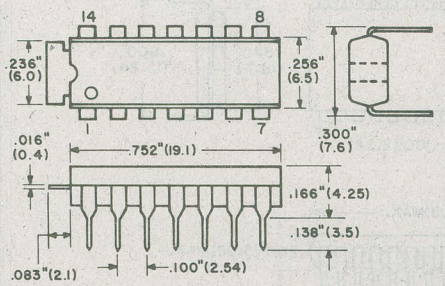


Fig. D8 — 16-Pin DIP

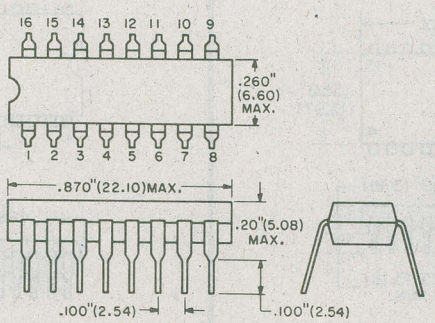


Fig. D9 — 16-Pin DIP

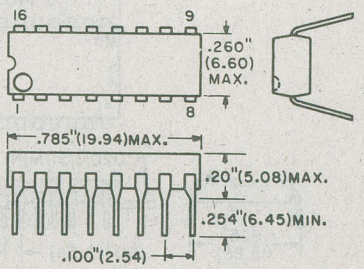


Fig. D10 — 18-Pin DIP

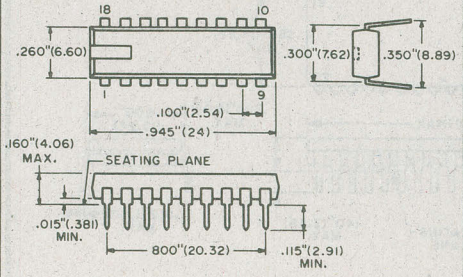


Fig. D11 — 18-Pin DIP

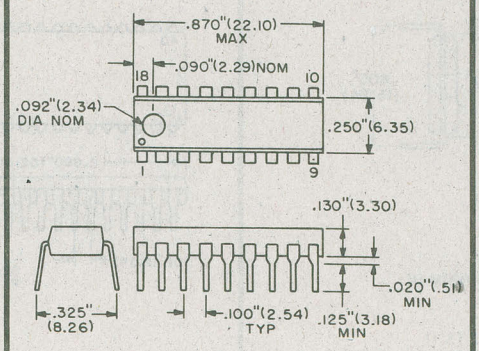
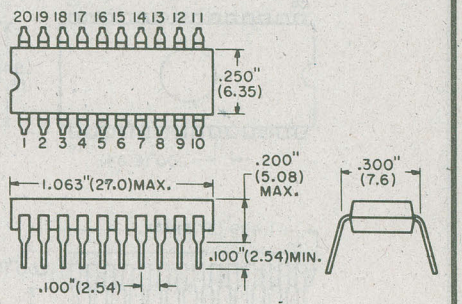


Fig. D12 — 20-Pin DIP



Dual inline plastic cases may have a round indentation on top surface for indexing in place of notched edge.

Digital, Display Driver, Microprocessor and Memory IC Outlines (cont'd)

Fig. D13 — 22-Pin DIP

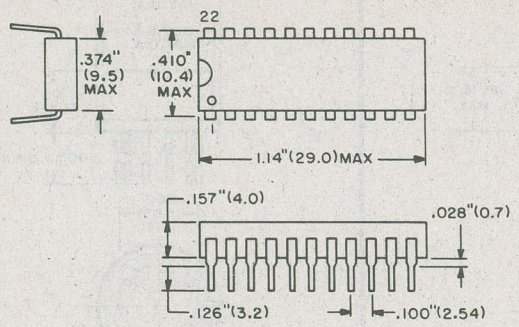


Fig. D14 — 24-Pin DIP

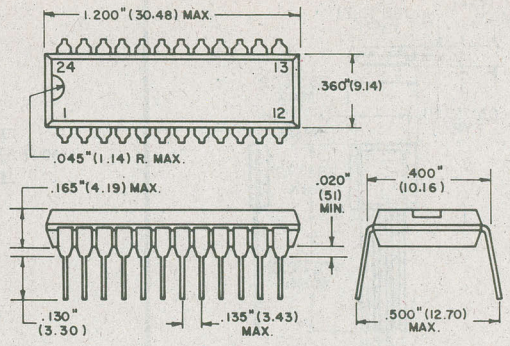


Fig. D15 — 24-Pin DIP

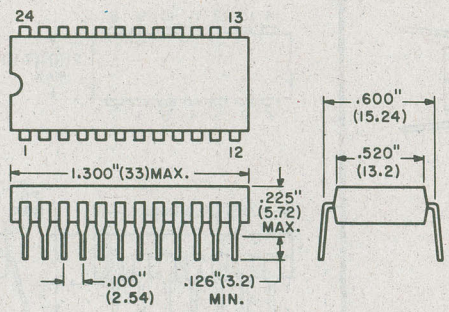


Fig. D16 — 24-Pin DIP

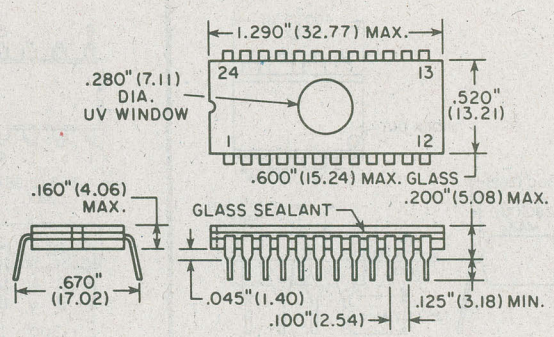


Fig. D17 — 28-Pin DIP

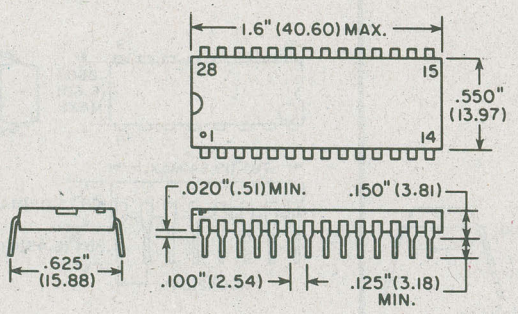


Fig. D18 — 28-Pin DIP

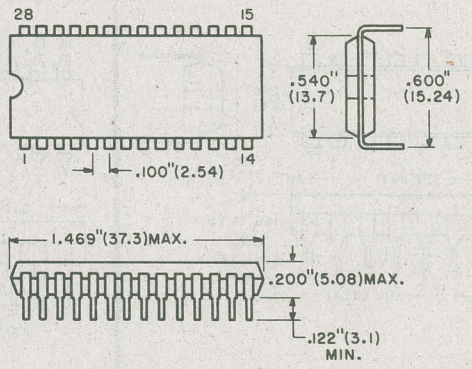


Fig. D18-1 — 28-Pin DIP

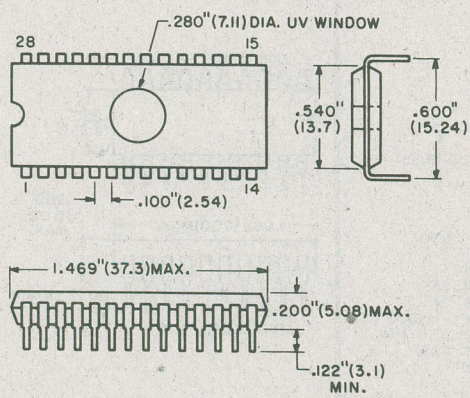
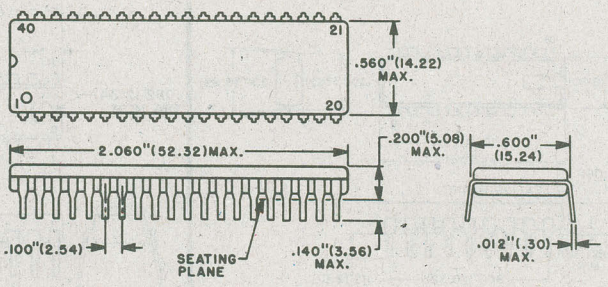


Fig. D19 — 40-Pin DIP



Dual inline plastic cases may have a round indentation on top surface for indexing in place of notched edge.

Accessories

Antistatic Conductive Foam

		Fig. No.
A-Stat™2	3" x 5" x 1/4" (2/Pkg)	AF1
A-Stat™12	12" x 12" x 1/4"	AF2

Hardware

		Fig. No.
ECG426	Metric Hardware Kit of 3mm, Nuts, Bolts, etc.	---
ECG432	Thread Converter, 3/8"-24 to 1/2"-20, for Stud Type Packages (2/Pkg)	AW1
ECG433	HV Splice for CRT Anode Leads, 40 kV Insulation, Does Require Soldering. (Requires no additional insulators or tape.)	AW2
ECG447A	Heat Sink Clamp Assembly for ECG446A	AH21
ECG447B	Heat Sink Clamp Assembly for ECG446A	AH21
ECG447C	Heat Sink Clamp Assembly for ECG446C	AH22
ECG449	Mounting Clip for TO-220 Case Style	AW3
ECG449A	Mounting Clip for TO-126 and SOT-82 Case Styles	AW3-1

Heat Sinks and Mounting Clamps

		Fig. No.
ECG400	Heat Sink for TO-5 Style Package (2/Pkg)	AH6
ECG401	Heat Sink for TO-5 Style Package (2/Pkg)	AH7
ECG402	Heat Sink for Plastic Power Packages (2/Pkg)	AH12
ECG403	Heat Sink for Plastic Power Packages (2/Pkg)	AH11
ECG404	Heat Sink Kit for TO-66 Style Package - Includes Base, Top Piece, 2 - 6/32 Screws and Nuts	AH9
ECG405	Heat Sink Kit for TO-3 Style Package - Includes Base, Top Piece, 2 - 6/32 Screws and Nuts	AH10
ECG406	Heat Sink for TO-202 Style Package (2/Pkg)	AH2
ECG410	Heat Sink for TO-1 Style Package (2/Pkg)	AH3
ECG411	Stud-Mount Heat Sink for TO-5 and TO-39 Style Package (2/Pkg)	AH4
ECG412	Heat Sink for TO-18 Style Package (2/Pkg)	AH5
ECG427	Heat Sink Kit for TO-5 and TO-39 Style Package - Includes Heat Sink, 2 Bushings, 1 Mica	AH1
ECG440A	Heat Sink, Undrilled Mounting Surface	AH13
ECG440B	Heat Sink, Drilled for TO-3, TO-48, TO-66, TO-126, TO-127, TO-220, DO-5	AH13
ECG440C	Heat Sink, Drilled for TO-3, TO-15, TO-6, TO-36, TO-64, DO-4	AH13
ECG440D	Heat Sink, Undrilled Mounting Surface	AH13-1
ECG441A	Heat Sink, Drilled for a Solid State Relay and 1 and 2 Thyristor Mod, Bridge Rectifier	AH14
ECG441B	Heat Sink, Undrilled Mounting Surface	AH14
ECG442A	Heat Sink, Undrilled Mounting Surface, for PCB Mounting	AH15
ECG442B	Heat Sink, Undrilled Mounting Surface, for PCB Mounting	AH15-1
ECG442C	Heat Sink, Undrilled Mounting Surface, for PCB Mounting	AH16
ECG443	Heat Sink, Undrilled Mounting Surface, for PCB Mounting	AH17
ECG444	Heat Sink, Undrilled Mounting Surface, for Stud Mounted Devices	AH18
ECG445	Heat Sink TO-92 Style (2/Pkg)	AH8
ECG446A	Heat Sink for 1.65" Dia. and 2.29" Dia. Hockey Puck Packages, 2 Required	AH19
ECG446C	Heat Sink for 2.90" Dia. Hockey Puck Packages, 2 Required	AH20
ECG447A	Heat Sink Clamp Assembly for ECG446A	AH21
ECG447B	Heat Sink Clamp Assembly for ECG446A	AH21
ECG447C	Heat Sink Clamp Assembly for ECG446C	AH22
ECG448B	Heat Sink for 14/16-Pin DIP (2/Pkg)	AH23
ECG448E	Heat Sink for 24-Pin DIP (2/Pkg)	AH24
ECG448G	Heat Sink for 40-Pin DIP (2/Pkg)	AH25
ECG449	Mounting Clip for TO-220 Case Style (2/Pkg)	AW3
ECG449A	Mounting Clip for TO-126 and SOT-82 Case Styles	AW3-1
ECG450A	Heat Sink for 14 or 16-Pin DIP	AH26

Semiconductor Insulator Kits (Kit Includes Mica Insulator and Nylon Bushings)

ECG413	Insulator Kit for TO-3 Style Package
ECG414	Insulator Kit for TO-36 Style Package with Flat Washer, Shaker Proof Lug, Nut and Plastic Insulating Tube
ECG415	Insulator Kit for TO-66 Style Package
ECG422	Insulator Kit for TO-220 Style Package
ECG438	Insulator Kit for DO-4 and TO-64. Contents are: DO4 MICA; DO4 Shoulder Bushing; #10 Flat Washer; #10 Lock Washer*; #10 Solder Lug; 10-32 Hex Nut
ECG439	Insulator Kit for DO-5 and TO-48. Contents are: DO5 MICA; DO5 Shoulder Bushing; 1/4" Flat Washer; 1/4" Lock Washer*; 1/4" Solder Lug; 1/4-28 Hex Nut

Semiconductor Sockets

		Fig. No.
ECG201	Connector for Cartridge LED/Lamp Indicator (2/Pkg)	AS8
ECG209	Standard Socket for TO-3 Package (2/Pkg)	AS9
ECG407	8-Pin Can, IC Socket (2/Pkg)	AS6
ECG408	10-Pin Can, IC Socket (2/Pkg)	AS7
ECG409	14-Pin DIP, IC Socket (2/Pkg)	AS14
ECG416	16-Pin DIP, IC Socket (2/Pkg)	AS15
ECG417	3-Pin Transistor Socket for TO-18 Package (2/Pkg)	AS2
ECG419	3-Pin Transistor Socket for TO-5, TO-39 Package (2/Pkg)	AS3
ECG421	Standard Socket for TO-66 Package (2/Pkg)	AS10
ECG423	8-Pin DIP, IC Socket (2/Pkg)	AS13
ECG428	24-Pin DIP, IC Socket (2/Pkg)	AS19
ECG429	28-Pin DIP, IC Socket (2/Pkg)	AS20
ECG430	40-Pin DIP, IC Socket (1/Pkg)	AS21
ECG431	Japanese Style Socket for TC-9 Package (2/Pkg)	AS11
ECG435P6	6-Pin DIP, IC Socket (2/Pkg)	AS12
ECG435P18	18-Pin DIP, IC Socket (2/Pkg)	AS16
ECG435P20	20-Pin DIP, IC Socket (2/Pkg)	AS17
ECG435P22	22-Pin DIP, IC Socket (2/Pkg)	AS18
ECG435Q14	14-Pin DIP, IC Socket for PC Board with Staggered Holes (2/Pkg)	AS22
ECG435Q16	16-Pin DIP, IC Socket for PC Board with Staggered Holes (2/Pkg)	AS23
ECG436W8	8-Pin DIP, IC Socket, Wire Wrap Leads (2/Pkg)	AS24
ECG436W14	14-Pin DIP, IC Socket, Wire Wrap Leads (2/Pkg)	AS25
ECG436W16	16-Pin DIP, IC Socket, Wire Wrap Leads (2/Pkg)	AS26
ECG436W18	18-Pin DIP, IC Socket, Wire Wrap Leads (2/Pkg)	AS27
ECG436W20	20-Pin DIP, IC Socket, Wire Wrap Leads (1/Pkg)	AS28
ECG436W22	22-Pin DIP, IC Socket, Wire Wrap Leads (1/Pkg)	AS29
ECG436W24	24-Pin DIP, IC Socket, Wire Wrap Leads (1/Pkg)	AS30

* Alternate: Solder Lug with Internal Lock

™A-Stat is a trademark of Philips ECG, Inc.

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Accessories (cont'd)

Semiconductor Sockets (cont'd)

		Fig. No.
ECG436W28	28-Pin DIP, IC Socket, Wire Wrap Leads (2/Pkg)	AS31
ECG436W40	40-Pin DIP, IC Socket, Wire Wrap Leads (1/Pkg)	AS32
ECG437X18	Crystal Socket for HC-18 Case with .017" Diameter Cut Leads	AS33
ECG437X33	Crystal Socket for HC-33 Case with .030" Diameter Cut Leads	AS34

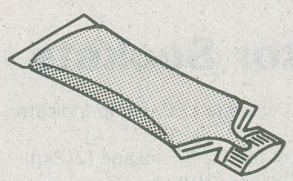
Thermal Compound and Adhesive/Sealant

		Fig. No.
ECG303	Single Application Heat Sink Compound, 1 gram (5/Pkg)	AC1
ECG424	Heat Sink Compound, 1-oz., in Plunger Tube	AC2
ECG434	Non-Corrosive Adhesive/Sealant, 2-oz., Squeeze Tube	AC3

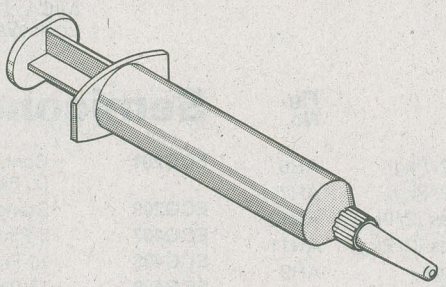
Accessory Outlines

Accessories

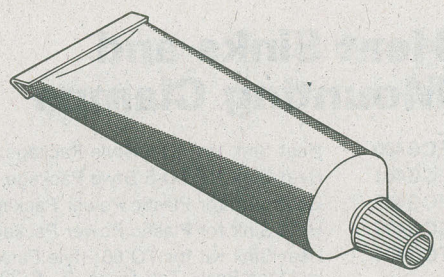
ECG303 Fig. AC1
Single Application Heat Sink Compound
1 gram



ECG424 Fig. AC2
Heat Sink Compound, 1-oz., in Plunger Tube

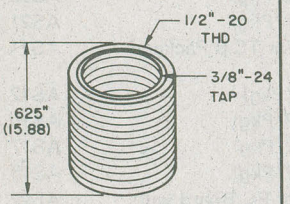


ECG434 Fig. AC3
Non-Corrosive Adhesive/Sealant, 2-oz., Squeeze Tube

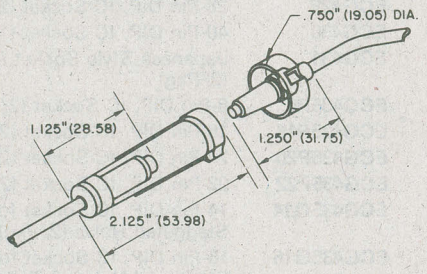


Hardware

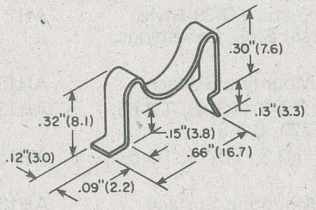
ECG432 Fig. AW1
Thread Converter for Stud Type Packages



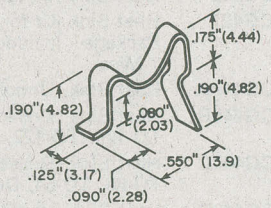
ECG433 Fig. AW2
HV Splice for CRT Anode Leads (40 kV Insulated)



ECG449 Fig. AW3
Mounting Clip for TO-220 Case Style



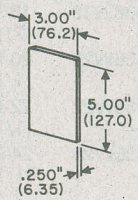
ECG449A Fig. AW3-1
Mounting Clip for TO-126 and SOT-82 Case Styles



Foam

A-STAT™ 2 Fig. AF1
Antistatic Conductive Foam for Storage of Static Sensitive Semiconductors —
- Carbon Impregnated
- High Density
- Non-Corrosive

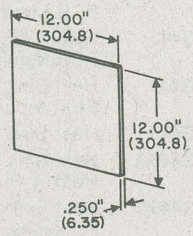
Surface Resistivity = 5 Ohms per Sq. Foot
Static Decay = 3 μsec to less than 1 V
Dimensions = 3" x 5" x 1/4"
2 Pieces Per Package



TM - A-STAT is a trademark of Philips ECG, Inc.

A-STAT™ 12 Fig. AF2
Antistatic Conductive Foam for Storage of Static Sensitive Semiconductors —
- Carbon Impregnated
- High Density
- Non-Corrosive

Surface Resistivity = 5 Ohms per Sq. Foot
Static Decay = 3 μsec to less than 1 V
Dimensions = 12" x 12" x 1/4"



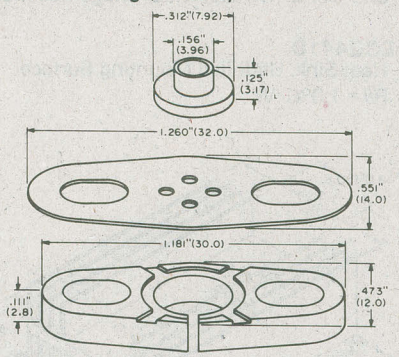
TM - A-STAT is a trademark of Philips ECG, Inc.

Accessory Outlines (cont'd)

Heat Sinks

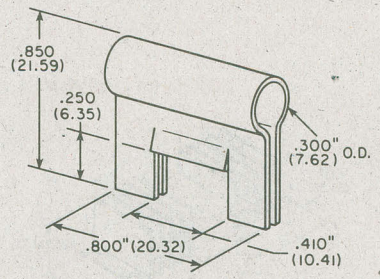
ECG427 Fig. AH1

Heat Sink Kit for TO-5 and TO-39 Style (Heat Sink, 2 Bushings, 1 Mica)



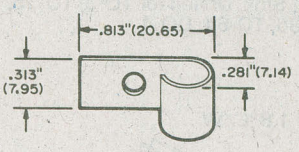
ECG406 Fig. AH2

Heat Sink for TO-202 Style
$R\theta$ = 25°C/W



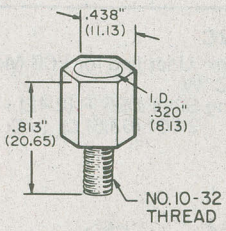
ECG410 Fig. AH3

Heat Sink for TO-1 Style



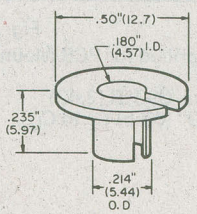
ECG411 Fig. AH4

Stud Mount Heat Sink for TO-5 and TO-39 Style



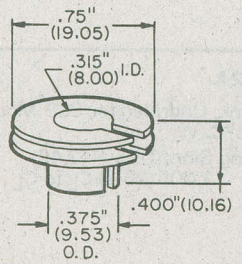
ECG412 Fig. AH5

Heat Sink for TO-18 and TO-92 Style
$R\theta$ = 92°C/W



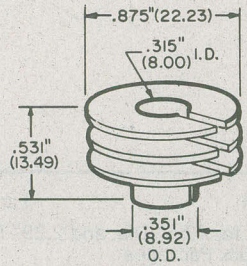
ECG400 Fig. AH6

Heat Sink for TO-5 Style
$R\theta$ = 46°C/W



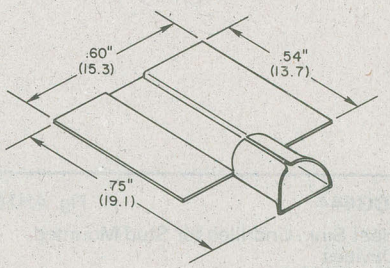
ECG401 Fig. AH7

Heat Sink Kit for TO-5 Style $R\theta$ = 35°C/W



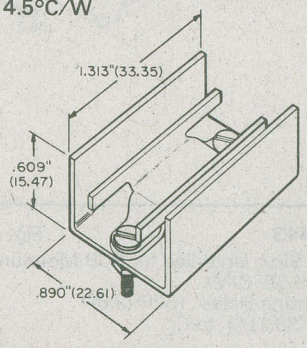
ECG445 Fig. AH8

Heat Sink for TO-92 Style
$R\theta$ = 80°C/W



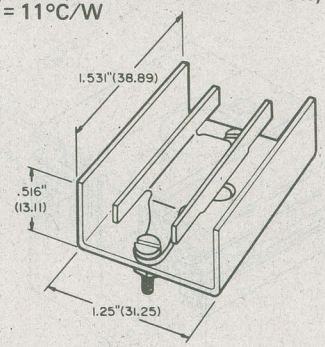
ECG404 Fig. AH9

Heat Sink Kit for TO-66 Style (Base, Top Piece, 2-6/32 Screws and Nuts)
$R\theta$ = 14.5°C/W



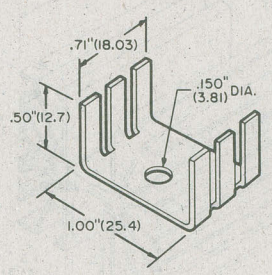
ECG405 Fig. AH10

Heat Sink Kit for TO-3 Style (Base, Top Piece, 2-6/32 Screws and Nuts)
$R\theta$ = 11°C/W



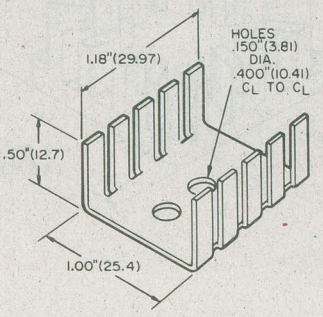
ECG403 Fig. AH11

Heat Sink for Plastic Power Transistors (TO-220, TO-202, TO-126, TO-127)
$R\theta$ = 20°C/W



ECG402 Fig. AH12

Heat Sink for Plastic Power Transistor (TO-220, TO-202, TO-126, TO-127)
$R\theta$ = 17°C/W

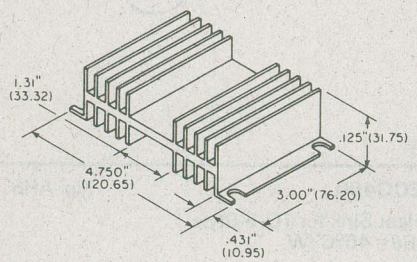


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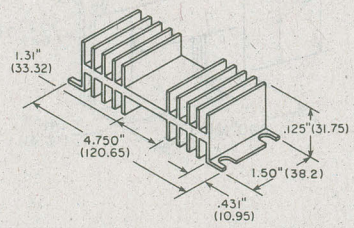
Accessory Outlines (cont'd)
Heat Sinks (cont'd)

ECG440A Fig. AH13
Heat Sink, Undrilled Mounting Surface
ECG440B
Heat Sink, Drilled for TO-3, TO-48, TO-66, TO-126, TO-127, TO-220, DO-5
ECG440C
Heat Sink, Drilled for TO-3, TO-15, TO-6, TO-36, TO-64, DO-4

$R\theta$ = 1.8°C/W

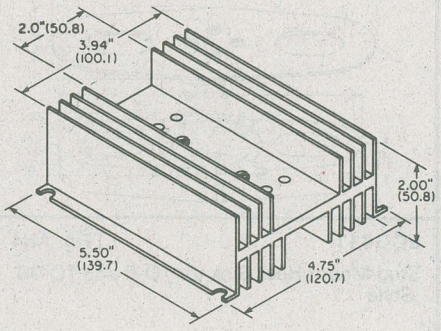


ECG440D Fig. AH13-1
Heat Sink, Undrilled Mounting Surface
$R\theta$ = 2.5°C/W

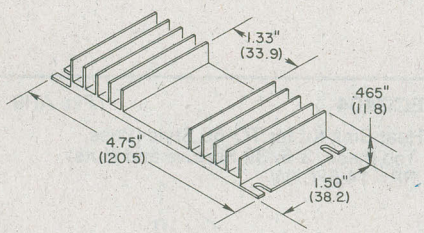


ECG441A Fig. AH14
Heat Sink, Drilled for a Solid State Relay and 1 or 2 Thyristor Mod, Bridge Rectifier

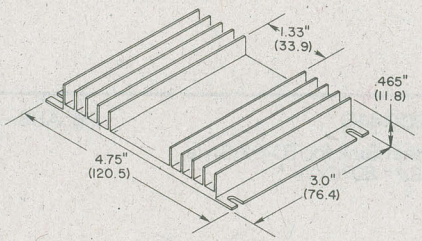
ECG441B
Heat Sink, Undrilled Mounting Surface
$R\theta$ = 1.0°C/W



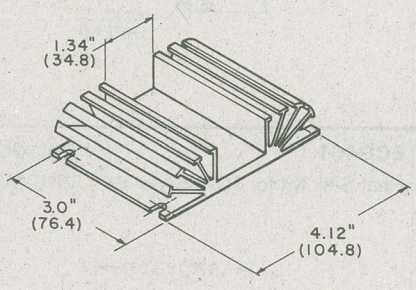
ECG442A Fig. AH15
Heat Sink, Undrilled for PCB Mounting
$R\theta$ = 4.5°C/W
Mounting Slots .093"R (2.42)
1.00" (25.4) C_L to C_L



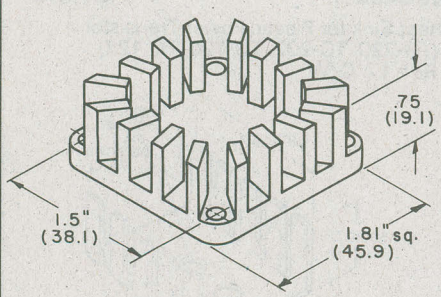
ECG442B Fig. AH15-1
Heat Sink, Undrilled for PCB Mounting
$R\theta$ = 3.5°C/W
Mounting Slots .093"R (2.42)
2.50" (63.5) C_L to C_L



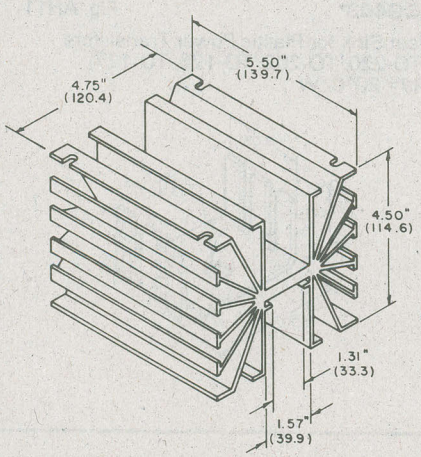
ECG442C Fig. AH16
Heat Sink, Undrilled for PCB Mounting
$R\theta$ = 2°C/W
Mounting Slots .095"R (2.42)
2.50" (63.5) C_L to C_L



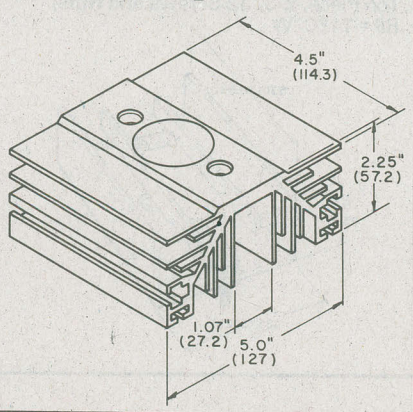
ECG443 Fig. AH17
Heat Sink, Undrilled for PCB Mounting
$R\theta$ = 6.25°C/W
Mounting Holes .15"R (3.8)
1.5" (38.1) C_L to C_L



ECG444 Fig. AH18
Heat Sink, Undrilled for Stud Mounted Devices
$R\theta$ = .55°C/W
Mounting Slots .14"R (3.5)
4.52" (114.3) C_L to C_L



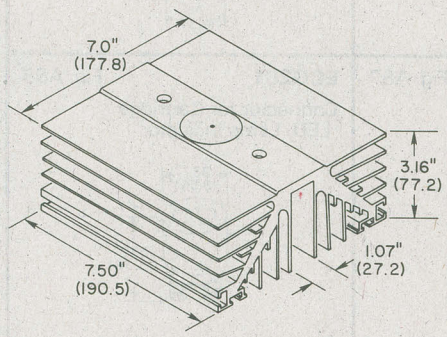
ECG446A Fig. AH19
Heat Sink for 1.65" Dia. and 2.29" Dia. Hockey Puck Packages
$R\theta$ = .5°C/W
Package Mount .128 (3.25) Dia.
Thru Chamfer 1.87 (4.75) Dia., .031 (.762) Deep
Mounting Clamp Holes .437" (11.07) Dia.
2.75" (69.8) C_L to C_L



Accessory Outlines (cont'd)
Heat Sinks (cont'd)

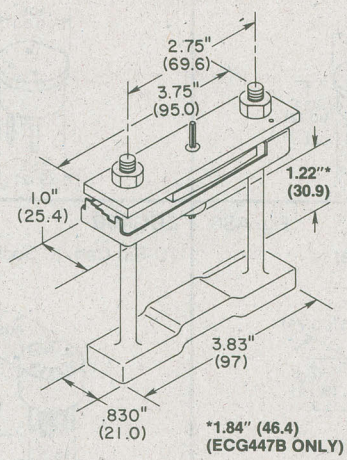
ECG446C Fig. AH20

Heat Sink for 2.90" Dia. Hockey Puck Packages
$R\theta$ = .24°C/W
Package Mount .128 (3.25) Dia.
Thru Chamfer 1.87 (47.5) Dia., .031 (.762) Deep
Mounting Clamp Holes .437" (11.07) Dia.
4.0" (101.6) C_L to C_L



ECG447A, ECG447B* Fig. AH21

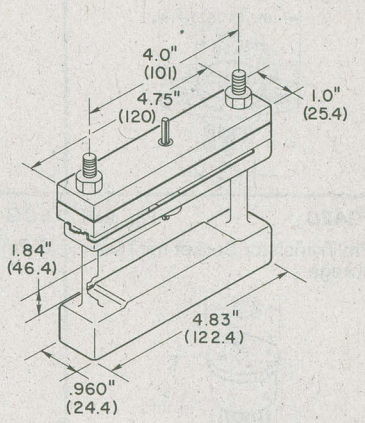
Heat Sink Clamp Assembly for ECG446A



*1.84" (46.4)
(ECG447B ONLY)

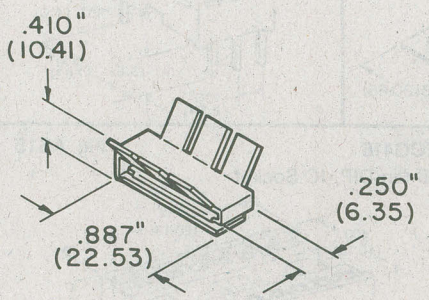
ECG447C Fig. AH22

Heat Sink Clamp Assembly for ECG446C



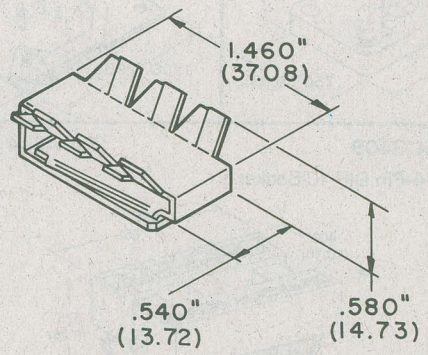
ECG448B Fig. AH23

Heat Sink for 14/16-Pin DIP
$R\theta$ = 20°C/W



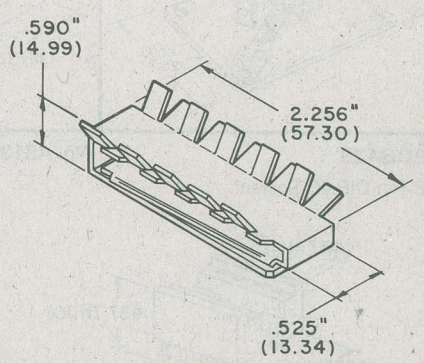
ECG448E Fig. AH24

Heat Sink for 24-Pin DIP
$R\theta$ = 20°C/W



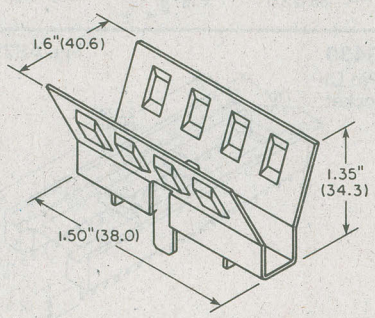
ECG448G Fig. AH25

Heat Sink for 40-Pin DIP
$R\theta$ = 18°C/W



ECG450A Fig. AH26

Heat Sink for:
ECG740A
ECG804
ECG810A
ECG862
ECG990
$R\theta$ = 14°C/W



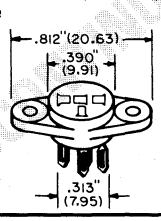
Q

Accessory Outlines (cont'd)

Sockets

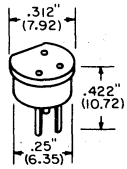
ECG203 Fig. AS1

Saddle Mount, Low Pwr Transistor Socket for TO-18, TO-92, TO-72 Package



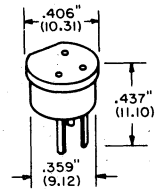
ECG417 Fig. AS2

3-Pin Transistor Socket for TO-18 Package



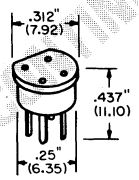
ECG419 Fig. AS3

3-Pin Transistor Socket for TO-5 Package



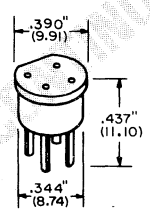
ECG418 Fig. AS4

4-Pin Transistor Socket for TO-18, TO-72 Package



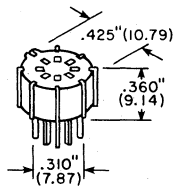
ECG420 Fig. AS5

4-Pin Transistor Socket for TO-5 Package



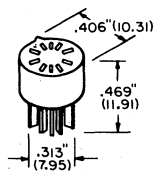
ECG407 Fig. AS6

8-Pin Can, IC Socket



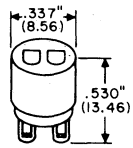
ECG408 Fig. AS7

10-Pin Can, IC Socket



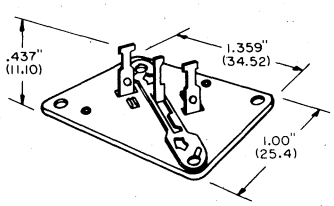
ECG201 Fig. AS8

Connector for Cartridge LED/Lamp Indicator



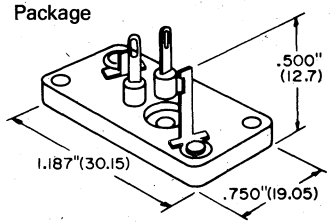
ECG209 Fig. AS9

Standard Socket for TO-3 Package



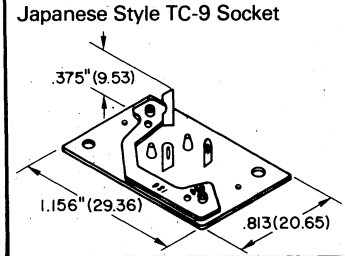
ECG421 Fig. AS10

Standard Socket for TO-66 Package



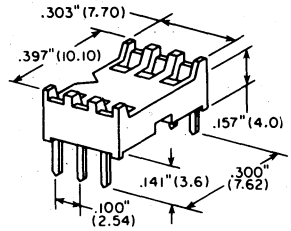
ECG431 Fig. AS11

Japanese Style TC-9 Socket



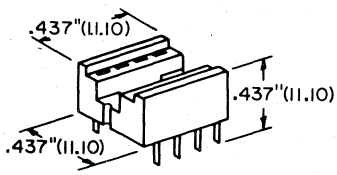
ECG435P6 Fig. AS12

6-Pin DIP, IC Socket



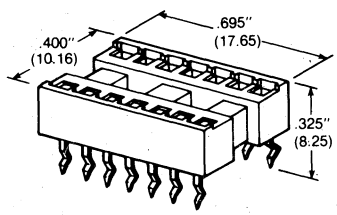
ECG423 Fig. AS13

8-Pin DIP, IC Socket



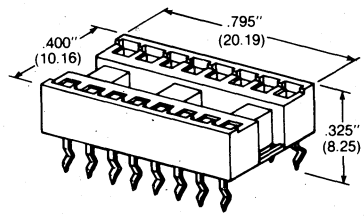
ECG409 Fig. AS14

14-Pin DIP, IC Socket



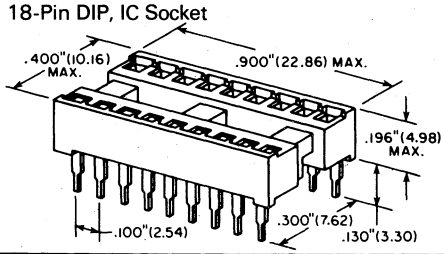
ECG416 Fig. AS15

16-Pin DIP, IC Socket



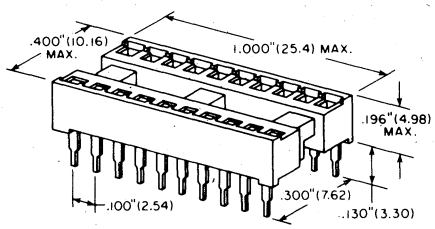
ECG435P18 Fig. AS16

18-Pin DIP, IC Socket



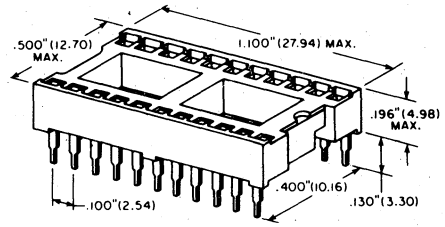
ECG435P20 Fig. AS17

20-Pin DIP, IC Socket



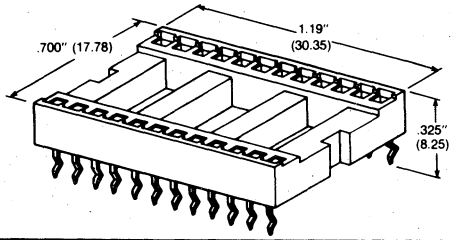
ECG435P22 Fig. AS18

22-Pin DIP, IC Socket



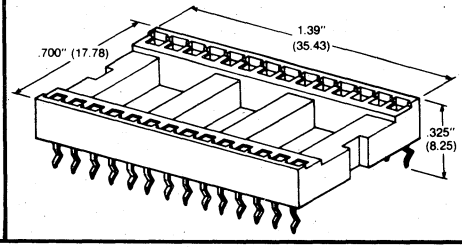
ECG428 Fig. AS19

24-Pin DIP, IC Socket



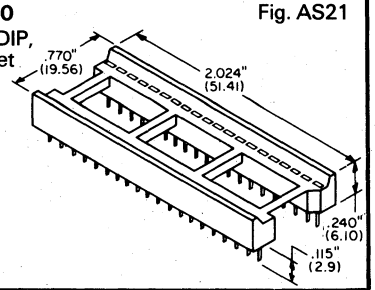
ECG429 Fig. AS20

28-Pin DIP, IC Socket



ECG430 Fig. AS21

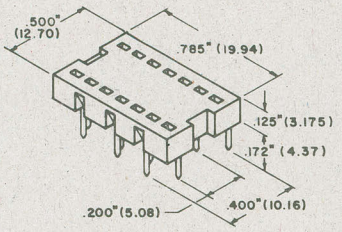
40-Pin DIP, IC Socket



Accessory Outlines (cont'd)
Sockets (cont'd)

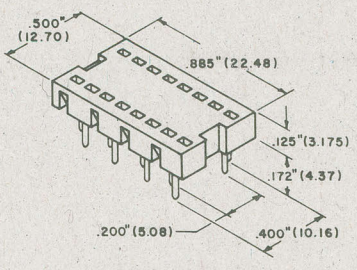
ECG435Q14 Fig. AS22

14-Pin DIP, IC Socket for PC Board with Staggered Holes



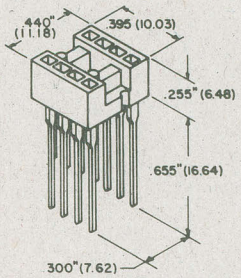
ECG435Q16 Fig. AS23

16-Pin DIP, IC Socket for PC Board with Staggered Holes



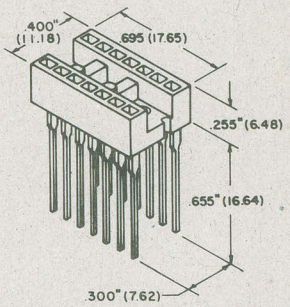
ECG436W8 Fig. AS24

8-Pin DIP, IC Socket, Wire Wrap Leads



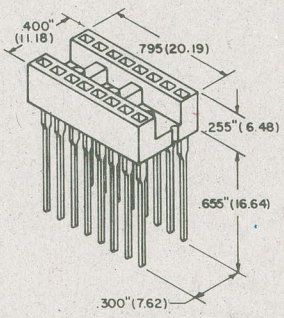
ECG436W14 Fig. AS25

14-Pin DIP, IC Socket, Wire Wrap Leads



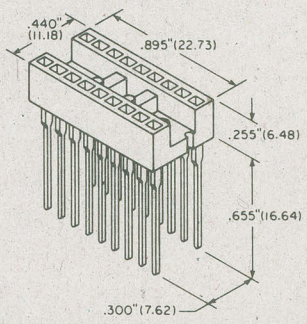
ECG436W16 Fig. AS26

16-Pin DIP, IC Socket, Wire Wrap Leads



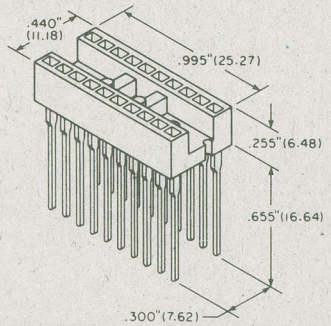
ECG436W18 Fig. AS27

18-Pin DIP, IC Socket, Wire Wrap Leads



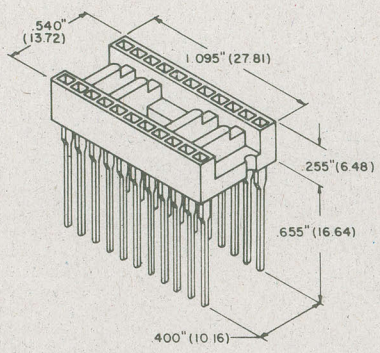
ECG436W20 Fig. AS28

20-Pin DIP, IC Socket, Wire Wrap Leads



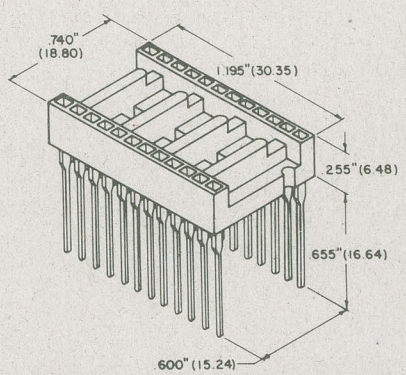
ECG436W22 Fig. AS29

22-Pin DIP, IC Socket, Wire Wrap Leads



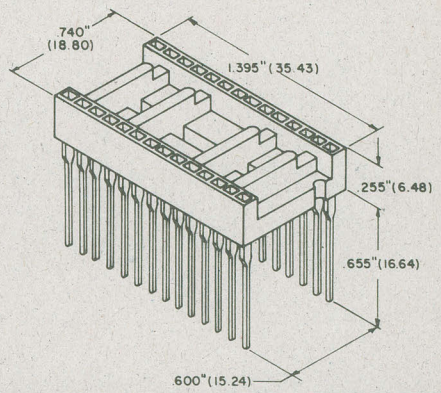
ECG436W24 Fig. AS30

24-Pin DIP, IC Socket, Wire Wrap Leads



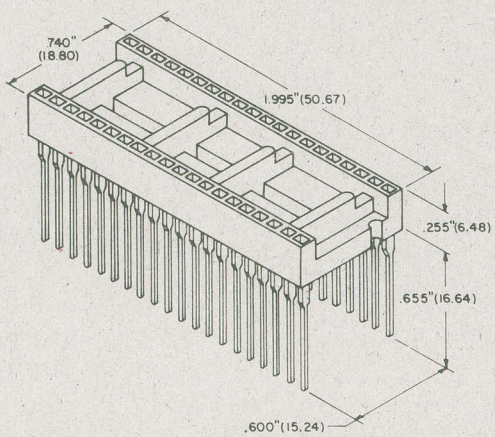
ECG436W28 Fig. AS31

28-Pin DIP, IC Socket, Wire Wrap Leads



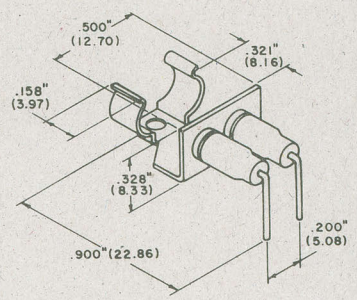
ECG436W40 Fig. AS32

40-Pin DIP, IC Socket, Wire Wrap Leads



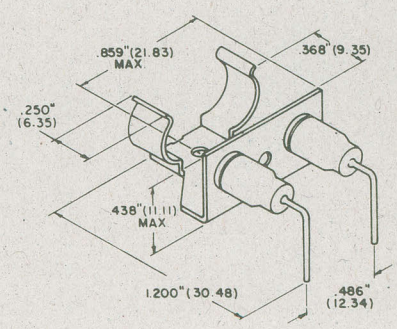
ECG437X18 Fig. AS33

Crystal Socket for HC-18 Case with .017" Diameter Cut Leads



ECG437X33 Fig. AS34

Crystal Socket for HC-33 Case with .030" Diameter Cut Leads



Q



Cross Reference

R

Cross Reference Section — Special Notes

@ Same number is used for two different parts - check schematic or original part.

\# When replacing this part it is necessary to use the insulating hardware supplied.

◆ May not be an exact mechanical or electrical equivalent. However, it will provide an acceptable substitute in the majority of typical applications.

▲ One end of the coil is connected to both pin #6 and pin #9 on the original part. Only pin #6 of the ECG replacement part is connected to the coil. A jumper wire is needed from pin #9 to pin #6 if coil voltage is only supplied to pin #9 on the PC board or socket.

% One end of the coil is connected to pin #2 only on the original part. This end of the coil is common to both pin #2 and pin #13 on the ECG replacement part. If pin #13 is used as a tie point in the original application, pin #13 must be removed from the ECG replacement part.

● One end of the coil is connected to pin #13 only on the original part. This end of the coil is common to both pin #2 and pin #13 on the ECG replacement part. If pin #2 is used as a tie point in the original application, pin #2 must be removed from the ECG replacement part.

\+ The device being replaced has internal MOV transient protection. When using the ECG replacement, connect the recommended ECG MOV across output terminals 1 and 2 of the relay.

§ Type is obsolete and no longer available from Philips ECG. Cross reference is retained for information only.

‡ Original part had metric threads.

* **ECG539**

When replacing part numbers 530165-12, MH1011B01 and MH1031C01 with ECG539 cut "G" lead at surface of failed multiplier. Strip and connect to "G" terminal of replacement.

* **ECG779A**

Use of the ECG779A may require modification of external circuitry - see data packed with device.

* **ECG1081A**

Following modifications are required in order to replace UPC563H by ECG1081A:

1. Remove 680-ohm resistor on pin #3 and #4 as well as SD46 or 1S953 diode.
2. Remove 10 K-ohm resistor on pin #9.
3. Change 220 pF capacitor between pin #4 and pin #5 to 47 pF to get same frequency response.
4. Ground heat sink fin.

The ECG1081A is a direct replacement for the UPC563H2 by grounding the heat sink fin.

* **ECG1086**

When replacing type UPC49C with ECG1086 pin #7 should be connected to nearest ground through a 3.3 K-ohm, 1/2 watt resistor.

* **ECG1089**

Devices marked ECG1089-3, when used to replace a UPC29C, may require the addition of a .01 μF capacitor between pins #13 and #17 for optimum performance.

* **ECG1091**

When using ECG1091 to replace UPC48C, ground pin #15 through a 5.6 K-ohm, 1/2 watt resistor.

* **ECG1140**

The ECG1140 is an improved replacement for type UPC575C. The following circuit changes must be made for proper operation.

1. Remove any resistor between pins #5 and #8 (typically this will be 22,000 ohms).
2. Remove any resistor between pin #8 and ground (typically this will be 8200 ohms).
3. By-pass pin #8 directly to ground through a 47 μF capacitor.

Note: No circuit modifications are necessary to replace type UPC575C2 with ECG1140.

* **13-17-6**

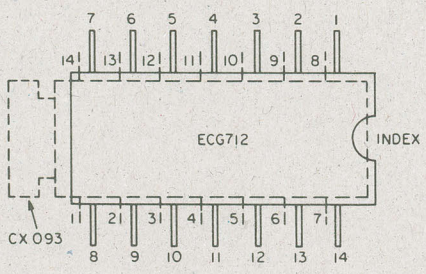
Use ECG123A plus 15 K-ohm resistor base to ground.

* **15-43251-1**

The Sylvania Integrated Circuit part number 15-43251-1 can be replaced with the ECG747. When installing the ECG747, a 470-ohm resistor should be connected in parallel with the existing 470-ohm resistor, between pins #5 and #6. This is to maintain the proper DC level at the output on pin #4 when measured with no signal output.

* **CX093**

When replacing CX093 with ECG712 insert as shown in diagram. No heatsinking is required. (ECG712 index is opposite of original part.)



* **HA11441**

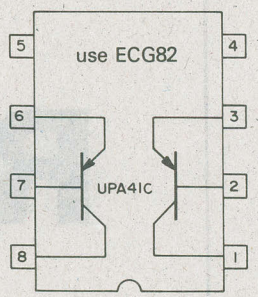
When replacing HA11441 with ECG1471, Pin #16 is to be grounded.

* **TBA810S-H**

When replacing TBA810S-H with ECG1115A connect 100-ohm, 1/4 watt resistor between pins #1 and #4.

* **UPA41C**

When replacing UPA41C, use ECG82 as illustrated below.



* **UPC1154H**

When replacing UPC1154H with ECG1194 the resistor connected to pin #5 must be eliminated and replaced by a jumper wire to prevent a loss in gain.

To Be Replaced	ECG Replacement
0000000FR2	116
0000000FRI	116
0000000MV4	600
0000000S15	552
0000000SD1	116
0000001N60	110A
00000010D1	552
000000DS17	116(2)
000000DS18	116(2)
000000DS38	116
000000SD1A	506
000000SD1AB	116
000000SD1AB‡(Boost)	506
000000SD1Y	116
000000SD46	109
000000SV31	158
000000SZT8	138A
000001S188	110A
000001S330	135A
000001S331	5070A
000001S334	139A
000001S990	177
000002SB22	102A
0000010DC1	116
00000DS13	199
00000DS18	116
00000DS131	116
00000DS410	177
00000FR202	116
00000MZ206	136A
00000S1B01	116
00000WZ090	139A
0000-00011-046	177
0000-00011-049	123A
0000-00011-050	184
0000-00011-053	220
0000-00011-054	312
0000-00011-055	312
0000-0070	187A
0000-0071	187A
0000-0100	290A
0000-0140	290A
0000-0141	290A
0000-0150	290A
0000-0300	290A
00001N60	110A
00001S188	110A
00001S188AM	110A
00001S334	139A
00001S446D	109
00001S1210	177
00001S1555	177
00001S1849	116(2)
00001S1849R	116(2)
00001S2076	177
00001S4460	109
00002S606	107
00002SA101	126A
00002SA202	102A
00002SA550	151A
00002SA609	159
00002SB22	102A
00002SB185	102A
00002SB185-0	102A
00002SB186	102A
00002SB186-0	102A
00002SB187	102A
00002SB303	102A
00002SB303-0	102A
00002SB405	158
00002SB435	153
00002SB460	107
00002SB474	226
00002SB481	131MP
00002SB492	176
00002SC373	123A
00002SC460	107
00002SC460A	108
00002SC460B	108
00002SC460C	108
00002SC461	108
00002SC492	176
00002SC535	107
00002SC536	199
00002SC537	123A
00002SC606	108
00002SC609	195A
00002SC644	199
00002SC668	108
00002SC735	123A
00002SC772	107
00002SC828	123A
00002SC829	107
00002SC838	123A
00002SC858	199
00002SC870	123A
00002SC870A	123A
00002SC870B	123A
00002SC870C	123A
00002SC929	199
00002SC930	199
00002SC945	289A
00002SC968	123
00002SD235	152
00002SD261	192
000010DC1R	116(2)
000062	129
0000101	126A
0000102	126A
0000103	102A
0000104	102A
000071090	131
000071120	187
000071130	187A
000071131	187A
000071150	159
000071151	159
000072020	116
000072050	116
000072090	109
000072130	177
000072150	139A
000072160	109
000072180	5072A
000072190	139A
000073070	199
000073080	199
000073090	123A
000073100	123A
000073110	128
000073120	123A
000073130	123A
000073140	229
000073230	123A
000073231	123A
000073280	186
000073290	123A
000073300	192
000073301	192
000073302	192
000073303	192
000073305	192
000073310	123A
000073320	186
000073332	123A
000073333	123A
000073350	199
000073351	199
000073360	199
000073361	199
000073373	199
000073374	199
000073380	186
000073381	186A
000073390	123A
000073391	123A
000074010	1006
000074020	1045
000074030	1142
0000DS410	177
0000DS410R	177
0000FR202	116
0000HA1306	1029
0000LA1201	1003
0000LA1201B	1003
0000LD3000	1015
0000SD1	109
0000SD46	109
0000WZ090	139A
000-04	123A
0001S49	116
0001S188	110A
0001S188AM	110A
0001S334	139A
0001S2144Z	177
0002SB186-0	102A
0002SB187	102A
0002SB187(Red)	102A
0002SB303-0	102A
0002SB405	158
0002SB405R	158
0002SC373	123A
0002SC373W	199
0002SC458B	123A
0002SC458C	123A
0002SC531F	123A
0002SC537F	123A
0002SC644R	199
0002SC644S	199
0002SC668D	108
0002SC710B	123A
0002SC710C	123A
0002SC772C	107
0002SC828	123A
0002SC828H	123A
0002SC828Q	123A
0002SC930D	199
0002SC930E	199
0002SC945Q	199
0002SC968P	128
0002SC1023	107
0002SC1026	107
0002SC1026A	107
0002SC1026B	107
0002SC1026C	107
0002SC1032	107
0002SC1032A	107
0002SC1032B	107
0002SC1032C	107
0002SC1061	152
0002SC1061A	152
0002SC1061B	152
0002SC1061C	152
0002SC1317	123A
0002SC1383	128
0004-003500	116
000546-1	123A
000653	123A
000704	123A
0004201	102A
0004202	102A
0004203	131
000HA1306U	1029
000LA1201	1003
000LA1201B	1003
000LA3300	1005
000LA3301	1006
000LD1020A	1012
000RS1542	116
000SD-1AUF	177
000WG1010	177
00	199
00-004-893-148	6354
00-004-893-149	6034
00-004-997-444	6400B
00-004-997-904	5181A
00-004-999-888	159
001	6400B
001(McIntosh)	726
001-0000-00	109
001-00	123A
001-0010-00	109
001-0020-00	110MP
001-0020-00(Silicon)	177
001-0020-00(Germanium)	109
001-0022-00	109
001-0036	720
001-0072-00	125
001-0077-00	116
001-0081	109
001-0081-00	117A
001-0082-00	5071A
001-0091	1140
001-0095-00	177
001-0095-02	519
001-0099-00	138A
001-0099-01	138A
001-0099-02	138A
001-02	159
001-03	159
001-04	159
001-028-000	909
001-0101-01	5073A
001-0112-00	519
001-0125-00	177
001-0127-00	140A
001-0130-00	613
001-0151-00	177
001-0151-01	177
001-0152-00	5072A
001-0153-00	116
001-0160-00	614
001-0161-00	5072A
001-0163-02	135A
001-0163-04	136A
001-0163-13	5072A
001-0163-15	139A
001-0176-00	614
001-0208-00	519
001-01101-0	101
001-01202-1	100
001-01203-1	100
001-01204-0	104
001-01205-0	104
001-01205-1	104
001-01206-0	102
001-01501-0	109
001-02010	158
001-02011	123
001-02020	123A
001-02101-0	123A
001-02101-1	123A
001-02102-0	123A
001-02103-0	123A
001-02104-0	123A
001-02105-0	123A
001-02106-0	123A
001-02107-0	123A
001-02108-0	123A
001-02109-0	123A
001-02110-0	123A
001-02111-1	123A
001-02113-2	123A
001-02113-3	123A
001-02113-4	123A
001-02113-5	123A
001-02114-0	198
001-02115-0	124
001-02116-0	124
001-02117-2	193
001-02119-0	128
001-02121-0	123A
001-02201-0	159
001-02303-0	135A
001-02303-3	137A
001-02303-4	145A
001-02405-0	116
001-02405-1	116
001-02405-2	116
001-02406-0	156
001-02406-1	156
001-02601-0	116
001-02603-0	116
001-011010	101
001-012010	102
001-012011	102
001-012020	100
001-012021	100
001-012030	100
001-012031	100
001-012040	104
001-012050	179
001-012051	104
001-012052	104
001-012053	104
001-012060	102
001-012685	128
001-015010	109
001-015011	109
001-021010	289A
001-021011	289A
001-021020	289A
001-021030	289A
001-021040	289A
001-021050	289A
001-021060	289A
001-021070	199
001-021080	289A
001-021090	289A
001-021100	194
001-021110	128
001-021111	128
001-021130	289A
001-021131	289A
001-021132	289A
001-021133	289A
001-021134	289A
001-021135	289A
001-021136	199
001-021140	396
001-021150	124
001-021151	124
001-021160	124
001-021161	124
001-021162	124
001-021163	124
001-021170	159
001-021171	159
001-021172	159
001-021173	159
001-021180	130
001-021190	128
001-021200	130
001-021210	123A
001-021211	123A
001-021218	123A
001-021220	225
001-021221	225
001-021230	192A
001-021231	192A
001-021232	192A
001-021240	186
001-021250-002	107
001-021260	123AP
001-021260-001	123AP
001-021270	130
001-021270-001	130
001-021280	181
001-021290	128
001-021300	154
001-021310	123AP
001-021314	289A
001-021320	152
001-021322	152
001-022010	159
001-022020	290A
001-022021	290A
001-022022	290A
001-022023	290A
001-022030	192A
001-022031	192A
001-022032	193A
001-022040	189
001-022050	6402
001-022050(HAMMOND)	187
001-022060	129
001-022070	281
001-022080	153
001-022082	197
001-022090	197
001-022100	159
001-022114	159
001-023010	5174AK
001-023020	5182A
001-023021	5198A
001-023026	145A
001-023027	146A
001-023028	145A
001-023029	5074A
001-023030	135A
001-023031	5080A
001-023032	5079A
001-023033	137A
001-023034	145A
001-023035	140A
001-023036	5067A
001-023037	5069A
001-023038	5075A
001-023039	140A
001-023040	5141A
001-023041	5130A
001-023042	5121A
001-023045	5133A
001-023047	5129A
001-023060	135A
001-023061	5081A
001-024010	116
001-024020	116
001-024030	116
001-024040	5986
001-024050	116
001-024051	116
001-024052	116
001-024060	5801
001-024061	5801
001-024070	5980
001-024080	289A
001-026010	177
001-026030	177
001-026032	177
001-026050	6402
001-026060	519
001-026080	519
001-026100	3018
001-026110	116
001-027010	326
001-027020	326
001-027030	312
001-044272-002	289A
001-044273-002	128
001-044274-002	291
001-044275-002	175
001-044276-002	384
001-044277-002	116
001-044672-001	102A
001-044673-001	102A
001-044674-001	289A
001-044676-001	177
001-044677-001	199
001-044678-1	289A
001-2(SYL)	229
001-533-00	159
001-21011	123A
001-21330	196
001-223026	145A
001-223027	146A
001-223028	145A
001-223030	135A
001-223034	145A
001-223038	5075A
001-223040	5141A
001-223060	135A
001-226010	177
001-226060	519
001-226080	519
001-226110	116
001B(McIntosh)	726
001UMI	8098
002(McIntosh)	710
002-005100	102A
002-006300	126A
002-006500	123
002-006600	102A
002-006800	102A
002-006900	102A
002-007000	104
002-007100	160
002-007200	160
002-007300	102A
002-007400	160
002-008100	104
002-008400	102A
002-008800	121
002-009100	124
002-009500	123A
002-009501	123A
002-009502	123A
002-009600	108
002-009601	108
002-009701	121
002-009800	159
002-009900	123A
002-03	123A
002-0105-00	106
002-010100	121
002-010300	159
002-010300-6	129
002-010300A	159
002-010400	123A
002-010500	159
002-010500A	159
002-010600	128
002-010700	129
002-010800	123A
002-010900	159
002-010900A	159
002-011000	102A
002-011400	161
002-011500	161
002-011600	126A
002-011700	103A
002-011800	176
002-011900	102A
002-012000	123
002-012100	185
002-012200	184
002-012300	153
002-012400	152
002-012500	128
002-012600	129
002-012700	121
002-012700-12	127
002-012800	159
002-012800A	159
002-1(SYL)	196
002-2(SYL)	196
002-3(SYL)	241
002-4(SYL)	196
002-5(SYL)	241
002-104-000	199
002-9501	199
002-9502	199
002-9502-12	199
002-9601	108
002-9601-12	108
002-9700	121
002-9800-12	129
002-9800-A	159
002-11700	103A
002-11800	102A
002-11900	102A
002-12000	123A
002D235RY	152
002SA203AA	126A
002SB185AA	102A
002SB435RY	153
002SB18500	102A
002SC1209C	297
002SC7350Y	289A
002SD235RY	152
002UMI	8115
003	110MP
003(McIntosh)	724
003-00	229
003-001	116
003-00200	110MP
003-002200	113A
003-004200	110MP
003-005400	109
003-006700	109
003-007500	110MP
003-009000	109
003-009100	145A
003-009200	142A
003-009400	116
003-009700	142A
003-009900	116
003-009900(Airline)	506
003-0(SYL)	5400
003-01	229
003-02000	110MP
003-010000	142A
003-1(SYL METAL)	128
003-1(METAL)	128
003-H03	102
003UMI	8125
004	1098
004(Toyota)	1098
004(McIntosh)	725
004-00	123A
004-00(Last IF)	233
004-001	179
004-002000	116
004-002700	116
004-002800	116
004-002900	113A
004-003000	116
004-003100	119
004-003200	118
004-003300	116
004-003400	116
004-003500	506
004-003600	116
004-003700	120
004-003900	116
004-004000	116
004-004100	116
004-03100	119
004-03200	118
004-03300	116
004-03500	116
004-03600	116
004-03700	116
004-1	189
004-1A(SYL)	185
004-2	152
004-2(SYL)	152
004-175-9-001	601
004-8000	121
004UMI	8125
005(McIntosh)	724
005-02	123A
005-010400	522
005-010800	522
005-010900	522
005-011000	522
005-011200	522
005-012200	534
005-013500	532
005-013600	531
005-1	152
005-1(SYL)	291
005UMI	8149
006-0000004	519
006-0000134	123A
006-0000135	159
006-0000146	7400
006-0000147	7410
006-0000151	7472
006-0000162	74107
006-0004270-001	909D
006-0004443	312
006-0004779	9109
006-0004956	129
006-0005191	129
006-0005545	9112S
006-00055182	234
006-004400	563
006-02	159
006-6400902	519
006-6450032	123A
006B2M	722
007-00	171
007-0030	175
007-0040-00	130

General Cross Reference Section Notes:

(1) Numbers in ( ) indicates the number of replacement devices required to replace original type.

(2) / numbers indicate more than one ECG type required for this application.

(3) (CP) — Complementary Pair.

(4) When a specific device part number is not listed in the directory, refer to the technical data for the ECG device of that type to find an equivalent replacement.

(5) OBS-NLA — ECG replacement for this part is obsolete and no known substitute is available.

(6) When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
007-0051	128
007-0074	175
007-0112	152
007-0112-03	152
007-0112-05	152
007-0149-00	357
007-0150-00	359
007-0214-00	312
007-0214-01	312
007-0378-00	471
007-0484-00	342
007-112-04	152
007-6016-00	519
007-6060-00	519
007-16687C1	911
007-25005-01	519
007-25013-01	519
007-25016-01	519
007-74004-01	159
007-74008-01	159
007-74655-02	123A
007-74655-06	123A
007-74659-01	128
007-74659-04	128
007-74659-06	128
007-74661-01	123A
007-166870i	911
007-1668601	910
007-1668602	910D
007-1669602	941M
007-1669901	923D
007-1681301	9112§
007-1695001	7400
007-1695101	7420
007-1695301	7404
007-1695701	7440
007-1695901	7410
007-1696001	7485
007-1696101	7414
007-1696201	7402
007-1696301	7437
007-1696701	7411
007-1696801	74145
007-1696901	7406
007-1697701	74180
007-1697801	7441
007-1698301	74192
007-1698401	74193
007-1698901	7450
007-1699201	7411
007-1699301	7408
007-1699401	7403
007-1699801	7474
007-7450301	130
007-7466101	123A
007UMI	8181
008-024-00	116
009-000	165
009-00	165
009-1(SYL)	161
009-301003	102A
0010-0041	292
0010-0180	398
0012-911	116
0013-911	116
0014-911	177
0015-911	116
0019-003485	175
0020-0190	85
0020-0191	85
0020-0193	85
0020-0220	186A
0020-0221	186A
0020-0250	289A
0020-0271	289A
0020-0330	85
0020-0332	85
0020-0350	229
0020-0351	85
0020-0360	107
0020-0381	85
0020-0402	85
0020-0403	85
0020-0404	85
0020-0411	85
0020-0432	107
0020-0451	85
0020-0521	229
0020-0531	107
0020-0540	399
0020-0541	399
0020-0630	85
0020-0643	157
0020-0711	399
0020-0720	186A
0020-0761	198
0020-0800	198
0020-0801	198
0030-0060	152
0030-0150	2308
0030-0161	375
0030-0370	89
0036-001	159
0043-004793	722
0050-0011	109
0050-0020	5009A
0050-0021	110MP
0050-0031	109
0050-0032	109
0050-0050	600
0050-0070	519
0050-0080	506
0050-0090	552
0050-0170	519
0050-0250	519
0050-0300	519
0050-0301	519
0051-0010	116
0051-0040	156
0051-0070	558
0051-0100	552
0051-0110	552
0051-0130	552
0051-0160	116
0051-0170	506
0051-0290	116(2)
0051-0291	116(2)
0051-0340	552
0054-0050	5014A
0054-0060	5015A
0054-0110	5074A
0054-0115	5020A
0054-0152	5035A
0054-0191	5010A
0054-0240	5021A
0054-0611	5033A
0055	129
0064-030XX-XXBP	116
0064-130XX-XXJX	5019A
0064-131XX-XXJX	5020A
0065-342XX-XXCX	46
0065-379XX-XXDX	263
0065-385XX-XXDX	378
0065-388(BALLY)	331
0065-428XX-XXCX	123AP
0065-485XX-XXMX	152
0065-488XX-XXMX	153
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05DK33	1V020
05DK56	1V035
05DK82	1V050
05DK201	1V130
05DK241	1V150
05DK391	1V150
05M1(ZENER)	5010A
05M1(Zener)	5010A
05ST-2SA844C	234
05ST-2SC2482	399
05V-50	116
05Z	138A
05Z075UNI	138A
05Z2.4X	5000A
05Z2.7X	5002A
05Z3.0X	5004A
05Z3.3X	5005A
05Z3.6X	5006A
05Z3.9X	5007A
05Z3.9Y	5007A
05Z3.9Z	5008A
05Z4.3Y	5008A
05Z4.3Z	5009A
05Z4.7Y	5009A
05Z5.1	5010A
05Z5.1L	5010A
05Z5.1U	5010A
05Z5.1X	5010A
05Z5.1Y	5010T1
05Z5.1Z	5010T1
05Z5.6U	5011A
05Z5.6X	5011T1
05Z5.6Y	5011T1
05Z5.6Z	5011T1
05Z6.2	5013A
05Z-6.2L	5013A
05Z6.2L	5013A
05Z6.2W	5013T1
05Z6.2WFA-1	5013T1
05Z6.2Y	5013T1
05Z6.2Z	5013T1
05Z6.8	5014A
05Z6.8L	5014A
05Z6.8X(ZENER)	5014A
05Z6.8Y	5014A
05Z6.8Z	5014A
05Z7.5	5015A
05Z7.5-L	5015A
05Z7.5UNI	5015A
05Z8.2	5016A
05Z8.2U	5016A
05Z8.2Z	5016A
05Z9.1	5018A
05Z9.1L	5018A
05Z9.1U	5018A
05Z-9.1U	5018A
05Z9.1Z	5018A
05Z10	5019A
05Z-10	5019A
05Z10A-U	5019A
05Z10-L	5019A
05Z10-U	5019A
05Z11	5020A
05Z12	5021A
05Z12X	5021T1
05Z12Y	5021T1
05Z12Z	5021A
05Z13	5022A
05Z13U	5022A
05Z13Z	5023A
05Z15	5024A
05Z15L	5024A
05Z15U	5024A
05Z15-X	145A
05Z15Y	5024A
05Z16	5025A
05Z16X	5025A
05Z18	5027A
05Z18L	5027A
05Z20	5029A
05Z-20X(ZENER)	5029A
05Z20Y	5029A
05Z22	5030A
05Z22L	5030A
05Z24	5031A
05Z-24A	5031A
05Z27	5033A
05Z30	5035A
05Z33Y	5036A
05Z33-Y	5036A
05Z72	5093A
05Z82	5074A
06-606508	159
06-663112	290A
06A(Zener)	5012A
06B1M	722
06B1Z	722
06B2Z	722
06B-3	121MP
06B-3-12	121MP
06B-3-12-7	121MP
06C(ZENER)	5012A
06D(Zener)	5012A
06M	5012A
06M(Zener)	5012A
06M6(Zener)	5012A
06P1C	121
06ST-2SC1906	107
06X90514A75	5404
07-0028777-089	3120
07-0028977-072	1625
07-0028977-75	1568
07-0028977-112	3121
07-07113	290A
07-07119	102A
07-07124	123A
07-07125	123A
07-07129	229
07-07139	123A
07-07141	237
07-07156	123A
07-07158	312
07-07159	312
07-07161	724
07-07163	289A
07-07164	237
07-07165	186A
07-07166	199
07-07167	103A
07-1075-01	102A
07-1075-02	102A
07-1156-03	102A
07-1458-85	123A
07-1777-03	283
07-2012-04	102A
07-3012-04	102A
07-3015-05	102A
07-3080-06	160
07-3350-57	126A
07-4233-19	160
07-4235-13	160
07-4235-73	160
07-5134-14	109
07-5134-14A	109
07-5134-14B	109
07-5134-14C	109
07-5160-15	110MP
07-5160-15A	112
07-5160-15B	112
07-5160-15C	112
07-5331-86	137A
07-5331-86A	136A
07-5331-86B	136A
07-5331-86C	136A
07-5331-86D	136A
07-6015-16	102A
07-28777-40	1123
07-28777-41	712
07-28777-42	1263
07-28777-43	1264
07-28777-44	1265
07-28777-45	1266
07-28777-46	1267
07-28777-47	1268
07-28777-48	1168
07-28777-49	1269
07-28777-50	1223
07-28777-51	1270
07-28777-52	9400
07-28777-53	9200
07-28777-54	9401
07-28777-56	1408
07-28777-70	290A
07-28777-71	290A
07-28777-72	374#
07-28777-76	107
07-28777-83	289A
07-28777-87	373#
07-28777-91	601
07-28777-92	519
07-28777-93	109
07-28777-94	110MP
07-28777-95	605A
07-28777-96	112
07-28777-100	5013A
07-28777-101	3025
07-28777-102	3021
07-28777-108	610
07-28777-109	112
07-28777-110	610
07-28778-70	1405
07-28778-71	1428
07-28778-72	1425
07-28778-73	1421
07-28778-74	1412
07-28778-75	1419
07-28778-76	1622
07-28778-77	1427
07-28778-78	9402
07-28778-79	373#
07-28778-80	289A
07-28778-82	234
07-28778-84	219
07-28778-85	312
07-28778-86	519
07-28815-75	290A
07-28815-76	290A
07-28815-77	290A
07-28815-82	85
07-28815-83	107
07-28815-84	85
07-28815-86	85
07-28815-89	199
07-28815-92	125
07-28815-99	1548
07-28815-101	958
07-28815-103	153
07-28815-108	290A
07-28815-116	519
07-28815-118	125(2)
07-28815-119	125(2)
07-28816-70	1428
07-28816-71	1400
07-28816-72	1422
07-28816-74	187A
07-28816-75	85
07-28816-76	109
07-28816-77	116
07-28816-78	5007A
07-28816-81	615A
07-28816-83	9403
07-28816-84	4016B
07-28816-85	4050B
07-28816-86	4069
07-28816-87	290A◆
07-28816-88	85
07-28816-89	519
07-28816-90	519
07-28816-92	144A
07-28816-93	147A
07-28816-94	290A
07-28817-70	1621
07-28817-71	1422
07-28817-73	1701
07-28817-74	1702
07-28817-75	1703
07-28817-77	1613
07-28817-78	4012B
07-28817-79	4001B
07-28817-80	4011B
07-28817-81	4013B
07-28817-82	4023B
07-28817-83	4027B
07-28817-84	4069
07-28817-85	4081B
07-28817-112	5011A
07-28817-119	125
07-28817-120	519
07-28817-146	1440
07-28817-336	615A
07-28817-375	5022A
07-28817-376	5015A
07-28817-378	140A
07-28817-379	5031A
07-28977-74	1700
07-28977-75	1568
07-28977-77	778A
07-28977-79	4025B
07-28977-80	4049
07-28977-81	4066B
07-28977-82	4078B
07-28977-83	4528B
07-28977-86	834
07-28977-87	7416
07-28977-89	962
07-28977-90	391
07-28977-101	5012A
07-28977-105	5041A
07-28977-106	5010A
07-28977-107	605A
07-28977-113	5022A
07-28977-119	605A
07-28977-120	552
07-28977-121	5010A
07-28977-122	5014A
07-28977-123	5016A
07-28977-124	1409
07-28977-125	960
07-28977-127	5025A
07-28977-128	1414
07-46100-79	834
07-46100-100	1425
07-46100-127	1609
07-46100-359	1682
07B(Zener)	5014A
07B1Z	708
07B2B	708
07B2Z	788
07B3B	708
07B3C	708
07B3D	708
07B3M	708
07B3Z	708
07B27	708
07D	5015A
07DK201	1V130
07DK241	1V150
07DK391	1V250
07M6(Zener)	5014A
07SD-1S1555	177
07SD-1S1887(AU)	116
07ST-2SC383W	85
07SZ-UZP-11B	5074A
08	139A
08-0821	116
08-08111	109
08-08112	110MP
08-08117	177
08-08119	177
08-08120	145A
08-08122	116
08-08125	139A
08A	5015A
08A159-001	605A
08A159-007	177
08A159-009	601
08A161-001	HiDiv-1
08A161-002	HiDiv-1
08A161-003	HiDiv-1
08A165-001	177
08A8300-2	123A
08B1M	725
08B2D	725
08B2M	725
08D(Diode)	156
08P-2	102A
08P-2-12-7	102A
08P-12-12	102A
08SD-1K34A	109
08ST-2SC945Q(AU)E	85
08ST-2SC945Q(AU)E	85
08ST-2SC945R(AU)E	85
08ST-JE9015C	159
09-000-302-002-0	6400B
09-000-303-002-1	290A
09-000-303-009-0	294
09-000-304-007-2	85
09-000-304-008-2	107
09-000-304-014-1	107
09-000-304-016-2	85
09-000-304-024-0	85
09-000-304-024-1	85
09-000-304-029-0	152
09-000-304-031-0	85
09-000-304-040-0	85
09-000-304-048-0	229
09-000-304-049-0	85
09-000-305-002-0	116
09-000-305-003-0	109
09-000-305-005-0	177
09-000-305-008-0	611
09-000-305-009-0	519
09-000-305-018-0	109
09-000-306-003-0	611
09-000-306-004-0	613
09-000-307-001-0	139A
09-000-307-005-0	5012A
09-000-307-012-0	5073A
09-000-307-015-0	5018A
09-000-312-001-0	1170
09-000-312-007-0	1248◆
09-000-312-008-0	930
09-000-312-033-0	1100
09-000-312-052-0	1226
09-000-312-055-0	1194
09-000-312-058-0	1217
09-000-312-066-0	1166
09-004	718
09-005	703
09-006	703
09-007	750
09-002012	123A
09-010	746
09-011	720
09-017	722
09-018	788
09-033006	103A
09-306-083	116
09-683	159
09-820-555	1292
09-3470-0	102A
09-3472-0	121MP
09-3473-0	5018A
09-3557-0	159
09-5414-0	116
09-5503-0	116
09-5506-0	104
09-5507-0	126A
09-5508-0	102A
09-5509-0	104
09-5605-0	143A
09-5606-0	5030A
09-5961-0	123A
09-5962-0	123A
09-5963-0	6401
09-6515-0	5801
09-6516-0	100
09-6517-0	121
09-6627-0	5096A
09-7016-0	102A
09-7311-0	5016A
09-7313-0	116(4)
09-7407-0	289A
09-7426-0	159
09-7442-0	138A
09-7444-0	5801
09-7502-0	5801
09-7554-0	102A
09-7555-0	5191A
09-7556-0	5801
09-8168-0	177
09-8224-0	5017A
09-8225-0	5015A
09-30063	159
09-30104B	102A
09-30126	102A
09-30313	102A
09-30318	152
09-30319	192
09-30501	199
09-30636	110MP
09-30864	1006
09-32124	108
09-300002	126A
09-300005	158
09-300006	126A
09-300007	126A
09-300011	126A
09-300012	126A
09-300015	126A
09-300016	126A
09-300017	102A
09-300021	160
09-300024	160
09-300026	234
09-300027	126A
09-300028	160
09-300029	126A
09-300036	234
09-300037	159
09-300037A	121
09-300043	129
09-300059	159
09-300061	159
09-300062	159
09-300063	159
09-300064	290A
09-300067	187
09-300068	187
09-300070	290A
09-300071	294
09-300072	193
09-300073	187A
09-300074	159
09-300076	294
09-300077	159
09-300078	126A
09-300079	126A
09-300080	290A
09-300081	290A
09-300090	153
09-300307	159
09-301001	102A
09-301002	102A
09-301002-6	102A
09-301003	102A
09-301004	102A
09-301005	102A
09-301006	102A
09-301007	102A
09-301008	158
09-301008-18	102A
09-301009	102A
09-301010	104
09-301014	158
09-301015	176
09-301016	102A
09-301019	158
09-301020	102A
09-301022	158
09-301023	102A
09-301024	131
09-301025	102A
09-301025-6	102A
09-301026	102A
09-301027	158
09-301030	226MP
09-301031	176
09-301032	102A
09-301034	131
09-301036	102A
09-301048	102A
09-301050	288
09-301052	121
09-301054	158
09-301056	102A
09-301066	158
09-301071	127
09-301072	102A
09-301073	127
09-301074	102A
09-301075	131
09-301077	153
09-301079	127
09-301081	292
09-302002	229
09-302003	229
09-302004	233
09-302005	108
09-302006	229
09-302007	123A
09-302009	108
09-302010	109
09-302012	123A
09-302014	107
09-302015	195A
09-302016	233
09-302017	108
09-302020	289A
09-302030	195A
09-302032	107
09-302033	123A
09-302034	123A
09-302035	195A
09-302036	229
09-302037	229
09-302037(IC)	1006
09-302037(Transistor)	229
09-302038	199
09-302039	123A
09-302040	289A
09-302044	107
09-302045	123A
09-302045-12	123A
09-302046	300
09-302050	237
09-302051	237
09-302053	199
09-302054	123A
09-302055	195A
09-302056	237
09-302058	123A
09-302060	108
09-302061	316
09-302062	123A
09-302063	107
09-302068	195A
09-302072	107
09-302073	107
09-302074	123A
09-302075	192
09-302078	123A
09-302079	107
09-302080	186A
09-302081	195A
09-302082	195A
09-302083	152
09-302085	199
09-302086	199
09-302090	128
09-302090(Diode)	177
09-302092	107
09-302093	199
09-302095	229
09-302097	199
09-302099	154
09-302101	123A
09-302102	299
09-302106	123A
09-302107	199
09-302113	186
09-302114	107
09-302115	108
09-302116	192
09-302117	237
09-302118	123A
09-302119	235
09-302121	186A
09-302122	130
09-302123	186A
09-302124	123A
09-302125	199
09-302126	186A
09-302127	199
09-302128	161
09-302129	107
09-302130	194
09-302131	123A
09-302132	152
09-302135	299
09-302136	295
09-302138	107
09-302139	199
09-302140	123A
09-302141	108
09-302142	107
09-302143	107
09-302146	124
09-302148	123A
09-302149	108
09-302150	287
09-302151	107
09-302152	107
09-302153	123A
09-302155	293
09-302156	124
09-302157	164
09-302158	163A
09-302159	162
09-302160	124

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
09-302161	193
09-302162	108
09-302164	152
09-302165	123A
09-302166	282§
09-302169	237
09-302170	187
09-302171	128
09-302172	123A
09-302173	289A
09-302175	123A
09-302176	163A
09-302177	163A
09-302185	124
09-302186	198
09-302187	165
09-302188	286
09-302189	123A
09-302190	108
09-302192	236
09-302193	236
09-302194	199
09-302200	233
09-302201	161
09-302202	315
09-302203	107
09-302204	123A
09-302206	229
09-302207	229
09-302212	295
09-302215	123A
09-302216	107
09-302218	175
09-302219	302
09-302220	107
09-302222	297
09-302224	229
09-302225	229
09-302226	192
09-302227	123A
09-302236	152
09-302237	198
09-302238	238
09-302240	161
09-302241	108
09-302242	229
09-302243	171
09-302245	238
09-302246	165
09-303005	175
09-303006	103A
09-303012	103A
09-303013	103A
09-303018	152
09-303019	192
09-303021	196
09-303022	152
09-303024	103A
09-303025	123A
09-303028	124
09-303029	198
09-303030	103A
09-303031	152
09-303032	152
09-303033	152
09-303034	291
09-303036	287
09-304011	160
09-304012	159
09-304017	312
09-304042	229
09-304043	229
09-304044	123A
09-304044(Last IF)	233
09-304045	123A
09-304046	171
09-304047	159
09-304049	159
09-304050	159
09-304051	159
09-304052	191
09-304055	182
09-304056	165
09-304057	164
09-304058	123A
09-304140	152
09-305006	161
09-305011	161
09-305014	312
09-305021	312
09-305023	312
09-305024	159
09-305031	312
09-305032	312
09-305033	107
09-305034	123A
09-305040	222
09-305041	107
09-305048	199
09-305049	300
09-305050	229
09-305051	229
09-305052	199
09-305058	234
09-305062	123A
09-305063	123A
09-305064	123A
09-305065	123A
09-305066	123A
09-305067	123A
09-305068	123A
09-305069	108
09-305070	108
09-305071	108
09-305072	108
09-305073	159
09-305074	108
09-305075	129
09-305076	128
09-305077	123A
09-305091	237
09-305092	297
09-305093	229
09-305094	229
09-305095	235
09-305096	229
09-305123	199
09-305126	199
09-305131	102A
09-305132	161
09-305133	312
09-305134	129
09-305135	312
09-305136	235
09-305137	236
09-305138	390
09-305139	123A
09-305140	152
09-305148	123A
09-305149	159
09-305150	287
09-305151	288
09-305152	123A
09-306002	109
09-306009	109
09-306010	109
09-306012	109
09-306019	110MP
09-306020	109
09-306024	109
09-306024(Zener)	145A
09-306030	506
09-306031	506
09-306033	116
09-306034	116
09-306036	109
09-306037	109
09-306040	109
09-306042(Rectifier)	116
09-306042(ZENER)	5072A
09-306046	116
09-306047	109
09-306049	109
09-306050	116
09-306051	109
09-306052	5014A
09-306053	156
09-306054	116
09-306055	137A
09-306057	110MP
09-306059	116
09-306060	177
09-306061	109
09-306062	177
09-306063	116
09-306064	109
09-306073	5070A
09-306077	112
09-306088	116
09-306089	112
09-306091	109
09-306093	109
09-306100	116
09-306101	113A
09-306103	116
09-306104	116
09-306106	139A
09-306107	109
09-306108	109
09-306109	136A
09-306110	177
09-306110(Zener)	145A
09-306111	177
09-306112	116
09-306113	177
09-306114	116
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045-1(SYL-IC)	1231A
045-2(SYL-IC)	1231A
045-2(SYL)	108
046-0134	177
046-0909	177
046-07037	5875
046-1(SYL)	186
046-2(SYL)	186
046-3(SYL)	186
046-4(SYL)	186
046-40209	5874
047	221
047(Diode)	177
047-1(SYL)	187
047-2(SYL)	187
047-3(SYL)	187
048	220
048(Zener)	5075A
048-1(MAG-IC)	941M
048-2(MAG-IC)	941M
048-3(MAG-IC)	976
048-4(MAG-IC)	976
049	5081A
049-6(RCA)	5019T1
050-1(SYL)	103
050A1GOF	5567
050A1OOF	5567
050AAGOF	5567
050AAOOF	5567
050BBGOF	5567
050BBOOF	5567
051-0003	177
051-0006	116
051-0010-00	1023
051-0010-01	1023
051-0010-02	1023
051-0010-03	1023
051-0010-04	1023
051-0010-05	1023
051-0011-00	1103
051-0011-00-04	1103
051-0011-00-05	1107
051-0011-01	1103
051-0011-02	1103
051-0011-03	1103
051-0011-04	1103
051-0012-00	720
051-0017-00	722
051-0020	177
051-0020-00	1087
051-0020-02	1087
051-0020-02/03	1087
051-0020-03	1087
051-0021-00	746
051-0022-00	709
051-0024	139A
051-0035-01	1087
051-0035-02	1087
051-0035-03	1087
051-0035-04	1087
051-0036-00	1037
051-0036-01	1037
051-0036-02	1037
051-0036-02/03	1037
051-0036-03	1037
051-0036-0102	1037
051-0038-00	1005
051-0039-00	1142
051-0046	123A
051-0047	123A
051-0049	107
051-0050-00	801
051-0050-01	801
051-0055-02	1155
051-0055-03	1155
051-0055-0203	1155
051-0055-12	1155
051-0055-13	1155
051-0060-00	1226
051-0062	160
051-0062-00	1337
051-0063	160
051-0066-00	1290
051-0068-02	1003
051-0079	126A
051-0086-00	1226
051-0087-00	1254
051-0088-00	1217
051-0088-00/01	1217
051-0100-00	1167
051-0107	159
051-0118-00	2000
051-0119-00	1082
051-0122-00	1525
051-0123-00	1474
051-0151	175
051-0155	123A
051-0156	195A
051-0157	195A
051-0181-00	1278
051-0183-00	1285
051-0183-01	1285
051-0184-00	1286
051-0184-01	1286
051-0187-00	1170
051-0232-02	1234
051-0308-00	1461
051-3999(TABS)	542
051-3999(WIRES)	543
052	172A
052A	172A
053	722
053-1	722
054	123A
055	123A
056	159
056-1(SYL-Diode)	177
057	123A
057-1(SYL)	116
057-4212	548
057B474H	161
059	124
059-1(SYL-IC)	712
059-1(SYL)	712
059-2(SYL-IC)	712
062	123A
062-011200	HiDiv-2
062-011300	HiDiv-1
062-011400	HiDiv-4
062-012100	HiDiv-3
062-012500	HiDiv-12
065	175
065(SONY)	1300
065-001	312
065-002	312
065-004	123A
065-006	199
065-007	186A
065-008	192
065-012	177
065-013	109
065-014	110MP
065-015	116
065-016	156
065-1	160
065-1-12	160
065-1-12-7	160
065-2	103A
065-2-12	103A
065-210	236
065A	160
065A(SONY)	1300
065A-12	160
065A-12-7	160
065B	126A
065B-12	126A
065B-12-7	126A
065C	121
065C-12	121
065C-12-7	121
066	128
066-1	102A
066-1-12	102A
066-1-12-7	102A
066-2	102A
066-2-12	102A
066-2-12-7	102A
066-3	102A
066-3-12	102A
066-3-12-7	102A
066X0023-009	116
066X0040-007	5081A
066X0040-018	5014A
066X0040-019	5007A
066X0040-020	5018A
066X0040-021	5044A
066X0046-001	519
066X0066-001	113A
066X0068-001	525
066X0070-001	519
066X0071-001	116
069	123A
070	130
070-001	160
070-003	110MP
070-004	125
070-005	125
070-006	125
070-007	125
070-008	125
070-009	125
070-010	125
070-011	140A
070-013	125
070-014	125
070-015	125
070-016	125
070-017	125
070-019	116
070-020	100
070-021	145A
070-022	177
070-024	140A
070-025	5093A
070-027	5809
070-028	125
070-030	125
070-031	156
070-032	125
070-033	125
070-035	156
070-036	5809
070-041	156
070-043	5809
070-047	177
070-048	5075A
070-049	5081A
072	184
072(IC)	710
072-1(SYL)	506
072-2(SYL)	506
072-7(SYL)	116
073-1(SYL)	506
073-44(MAG-Diode)	136A
073-45(MAG-Diode)	5120A
074-1(SYL)	291
074-1(Philco)	186
074-2	291
075(SONY)	1301
075-000090	941
075-000100	4013B
075-000210	2042S
075-000220	2042S
075-000300	2041S
075-000324	987
075-000339	834
075-003080	902
075-004001	4001B
075-004007	4007
075-004011	4011B
075-004013	4013B
075-004015	4015B
075-004016	4016B
075-004022	4022B
075-004023	4023B
075-004025	4025B
075-004040	4040B
075-004042	4042B
075-004052	4052B
075-004066	4066B
075-004069	4069
075-004071	4071B
075-004090	4066B
075-004093	4093B
075-004514	971
075-004516	4516B
075-004520	4520B
075-004555	4555B
075-017824	972
075-017912	967
075-017915	969
075-017924	971
075-045037	7474
075-046270	7472
075-047720	7413
075-052088	4024B
075B(SONY)	1301
076	235
076-004001	4001B
076-004011	4011B
076-004012	4012B
076-004023	4023B
076-004052	4052B
077-1(MAG-IC)	788
077-2(MAG-IC)	788
077-3(MAG-IC)	788
077-4(MAG-IC)	788
077A	105
077A-12	105
077A-12-7	105
077B	121MP
077B-12	121MP
077B-12-7	121MP
077C	121
077C-12	121
077C-12-7	121
078-0016	116
078-1696	116
078-2400	116
078-5001	116
079	185
079-AE	4001B
079-AF	4002B
079-AG	4007
079-AH	4011B
079-AK	4013B
079-AL	4016B
079-BA	4006B
080	184
081	184
081(IC)	790
081-1	790
082	712
082-1	712
082-91379-A000	3100
082A	712
082A(PackardBell)	712
082.115.015	159
083-1(MAG)	159
083-1(SYL)	159
083-2(SYL)	159
083-2(MAG)	159
083-3(MAG)	159
083-3(SYL)	159
083-4(MAG)	159
083-5(MAG)	159
083-6(MAG)	159
083A(Packard Bell)	196
084A	121
084A-12	121
084A-12-7	121
085	130
085-163(MAG)	123AP
086	104
086-005132-02	123A
086X0065-001	171
086X0066-001	159
086X0070-001	6402
086X0071-001	287
086X0072-001	159
086X0073-001	188
086X0074-001	182
086X0075-001	185
086X0113-001	123AP
086X0114-001	159
086X0115-001	171
086X0116-001	171
086X0117-001	385
086X0118-001	165
086X0121-001	123AP
086X0123-001	130
086X0124-001	219
086X0125-001	188
086X0126-001	189
086X0127-001	108
086X0128-001	379
088B-12	160
088B-12-7	160
088C	100
088C-12	100
088C-12-7	100
089-1(SYL)	228A
089-2	228A
089-2(SYL)	228A
089-3	228A
089-3(SYL)	228A
089-4(SYL)	228A
089-214	108
089-215	108
089-216	108
089-220	126A
089-222	102A
089-223	123A
089-226	123A
089-231	158
089-233	103
089-236	109
089-241	177
089-248	109
089-252	117A
089-293	109
090A64-1	109
092-1	105
092-1-12	105
094	714
094-007	519
094-010	116
094-011	125
094-012	506
094-013	121
094-014	109
094-1	714
094-1(MAG)	123AP
094-2(MAG)	123AP
094-3(EBC-MAG)	199
094-3(MAG)	47
094-4(EBC-MAG)	199
094A	714
094A(Packard Bell)	714
095	715
095(SONY)	1308
095-1	715
095A	715
095A(Packard Bell)	715
095A(SONY)	1308
095C(SONY)	1308
096	713
096-1	713
096A	713
096A(Packard Bell)	790
097	780
097-1	783
097A	780
097A(Packard Bell)	780
098-1	116
098-1(RCA)	154
098GI219	125
099-1	152
099-1(SYL)	152
099-1(Philco)	152
099-2	196
099-2(SYL)	196
099-3(SYL)	196
099-24-1456	289A
0100	116
0101	177
0101-0034	126A
0101-0060A	108
0101-0222	126A
0101-0439	193
0101-0448	187
0101-0448A	187
0101-0466	187
0101-0491	123A
0101-0531	108
0101-0540	123A
0101-439	129
0102	116
0102-0371	102A
0103-0014	123A
0103-0014/4460	123A
0103-0014R	128
0103-0014S	128
0103-0051	128
0103-0060	108
0103-0060B	108
0103-0088	123A
0103-0088/4460	199
0103-0088/5462	199
0103-0088H	123A
0103-0088R	123A
0103-0088S	123A
0103-0191	108
0103-0389	108
0103-0419	186
0103-0419A	186
0103-0473	123A
0103-0482	123A
0103-0491	123A
0103-0491/4460	123A
0103-0491/5462	199
0103-0492	199
0103-0503	128
0103-0503/5462	289A
0103-0503S	128
0103-0504	123A
0103-0521	108
0103-0521B	108
0103-0531	108
0103-0531/4460	107
0103-0531/5462	123A
0103-0540	123A
0103-0568	107
0103-0568/4460	107
0103-0568/5462	107
0103-0607	128
0103-0616	128
0103-90	116
0103-93	199
0103-94	123A
0103-95	158
0103-389	108
0103-512M	186
0103-9531/4460	108
0104-0013	128
0105-0012	312
0110	116
0110-0011	116
0110-0141	116
0110-0141/4460	116
0110-0141/5462	116
0110-0209	116
0111	116
0112	116
0112-0019	109
0112-0026	109
0112-0028	109
0112-0028/4460	109
0112-0028/5462	109
0112-0037	109
0112-0046	109
0112-0073	109
0112-0082	109
0114-0017	139A
0114-0026/4460	5014A
0114-0090	139A
0114-0260	5071A
0114-0260-5462	5071A
0117-02	221
0121	123A
0121(Airline)	185
0122(Airline)	184
0122-0062	613
0122-0245	610
0122-0246	610
0122-0247	611
0122-0248	611
0122-0249	612
0122-0250	612
0122-0255	613
0122-0256	613
0123	185
0123(WARDS)	185
0124	184
0124(Knight)	159
0124(Hoffman)	184
0124(WARDS)	184
0124A	159
0125	123A
0126	123A
0126(Wards)	189
0127	123A
0128	123A
0130	128
0131	123A
0131-000100	102A
0131-000101	102A
0131-000102	102A
0131-000192	121
0131-000335	159
0131-000336	121
0131-000337	121
0131-000418	160
0131-000419	160
0131-000473	123A
0131-000498	160
0131-000561	128
0131-000562	121
0131-000563	102A
0131-000704	123A
0131-000802	160
0131-000859	160
0131-000862	160
0131-000863	160
0131-0026	116
0131-0035	116

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
0131-0044	116
0131-0053	116
0131-001050	158
0131-001056	158
0131-001182	160
0131-001314	160
0131-001328	159
0131-001329	159
0131-001332	160
0131-001417	123A
0131-001418	123A
0131-001419	102A
0131-001420	159
0131-001421	123A
0131-001422	123A
0131-001423	123A
0131-001424	123A
0131-001425	121
0131-001426	102A
0131-001427	129
0131-001428	129
0131-001429	128
0131-001430	128
0131-001433	160
0131-001434	160
0131-001435	160
0131-001436	160
0131-001438	106
0131-001439	159
0131-001464	123A
0131-001597	130
0131-001697	160
0131-001864	123A
0131-002049	153
0131-002068	130
0131-002656	102A
0131-003029	160
0131-004323	123A
0131-004367	130
0131-004746	159
0131-004792	199
0131-005347	199
0131-005348	199
0131-005349	199
0131-005350	199
0131-005351	159
0131-005352	152
0131-005353	153
0131-026	116
0131-053	116
0131-04560	175
0131-4328	159
0132	130
0133	159
0133.0008T	159
0133.1003T	159
0134	123A
0135-1	5801
0137	219
0140-5	199
0140-6	123A
0140-7	186
0140-8	116
0140-9	116
0142	108
0154	5642
0159	116
0161-46G	198
0190AG	110A
0200	5944
0201	5944
0205	722
0205(Dynaco)	722
0210	5944
0211	5944
0220	5944
0221	5944
0234	116
0243	5838
0243-001	175
0244	116
0245	5842
0246	5847
0248	156
0277.5A	138A
0300	116
0301	116
0301-3055-00	130
0302	116
0304	116
0307	125
0310	116
0311	116
0312	116
0314	116
0317	125
0320	116
0321	116
0322	116
0324	116
0327	125
0400	116
0401	116
0402	116
0410	116
0411	116
0412	116
0418	121MP
0418(Harmon Kardon)	121MP
0450	116
0460	116
0486-2(RCA)	5141A
0500	177
0505-0314	109
0514-030963	5966
0514-031162	5966
0514-052189	524V25
0514-052689	5967
0514-058337	5463
0514-060260	2042§
0514-064032	2040
0514-100547	2042§
0514-101088	74LS12
0514-101098	74LS197
0514-101100	2102
0514-102578	6508
0557-010	116
0575-005	109
0602	5878
0604	5882
0606	5890
0648R	5071A
0700	116
0701	116
0701(TRANSISTOR)	108
0702	116
0703	108
0704	116
0707	125
0710	116
0727-50	116
0731	128
0770	185
0772	184
0773	185
0776-0160	123A
0776-0195	159
0831	234
0991-002P	129
0991-003N	123A
01045	139A
01057-1	182
01058-5	182
01064-5A	247
01122-0073	109
01339	116
02057-1	183
02057-3	183
02057-4	183
02058-1	183
02058-5	183
02060-7	180
02062-1	159
02062-6	159
02064-5	248
02064-5A	248
02064-6	248
02064-7	248
02064-8	248
02201OOF	5542
02201OOL	5517
02201OON	5562
02202OOF	5543
02202OOL	5517
02202OON	5562
02203OOF	5545
02203OOL	5518
02203OON	5564
02204OOF	5545
02204OOL	5518
02204OON	5564
02205OOF	5547
02205OOL	5519
02205OON	5566
02206OOF	5547
02206OOL	5519
02206OON	5566
02301OOF	5542
02301OOL	5517
02301OON	5562
02302OOF	5543
02302OOL	5517
02302OON	5562
02303OOF	5545
02303OOL	5518
02303OON	5564
02304OOF	5545
02304OOL	5518
02304OON	5564
02305OOF	5547
02305OOL	5519
02305OON	5566
02306OOF	5547
02306OOL	5519
02306OON	5566
02375-A	175
03008-1	123A
03500	109
03571	109
04049B	116
04053	234
04170	166
04770	109
04970	125
05001OOF	5567
05002GOF	5567
05002OOF	5567
05003GOF	5568
05003OOF	5568
05004GOF	5568
05004OOF	5568
05005GOF	5568
05005OOF	5568
05006G0F	5568
05006OOF	5568
05007GOF	5569
05007OOF	5569
05008GOF	5569
05008OOF	5569
05009GOF	5569
05009OOF	5569
05010GOF	5569
05010OOF	5569
05011GOF	5569
05011OOF	5569
05012GOF	5569
05012OOF	5569
05025GOA	5572
05201G0A	5570
05201G0B	5570
05201G0D	5575
05201GOA	5570
05201GOB	5570
05201GOD	5575
05202G0A	5570
05202G0B	5570
05202G0D	5575
05202GOA	5570
05202GOB	5570
05202GOD	5575
05203G0A	5572
05203G0D	5577
05203GOA	5572
05203GOB	5572
05203GOD	5577
05204G0A	5572
05204G0B	5572
05204G0D	5577
05204GOA	5572
05204GOB	5572
05204GOD	5577
05205G0A	5572
05205G0B	5572
05205G0D	5577
05205GOB	5572
05205GOD	5577
05206-00	199
05206G0A	5572
05206G0B	5572
05206G0D	5577
05206GOA	5572
05206GOB	5572
05206GOD	5577
05253	121
05470	138A
06005	1090
06006	9400
06008	1027
06011	941M
06015	992
06016	778A
06021	941M
06026	4022B
06027	4051B
06028	4069
06031	4070B
06032	4081B
06039	4011B
06041	941M
06042	4013B
06043	4019B
06044	778A
06049	4085B
06050	4527B
06051	4050B
06053	4072B
06054	4520B
06057	4030B
06058	4012B
06059	4025B
06060	4027B
06063	966
06064	4073B
06065	4075B
06072	345
06073	1327
06074	968
06075	969
06077	778A
06080	4049
06081	4002B
06082	972
06083	969
06096	902
06101	199
06102	234
06103	128
06104	199
06105	289A
06106	153
06107	290A
06108	152
06109	102A
06110	234
06111	102A
06112	103A
06113	289A
06115	196
06116	280
06117	427/128
06118	129/400
06119	280
06120	291
06121	159
06122	129
06124	158
06125	102A
06126	293
06127	199
06129	102A
06131	234
06139	382
06246-00	123A
06301	519
06304	125(2)
06305	125(2)
06306	506
06318	156
06501	138A
06502	140A
06503	139A
06504	5026A
06505	5035A
06506	5029A
06507	142A
06508	5073A
06509	5025A
06510	145A
06511	312
06512	312
06516	312
06541	5081A
06543	5076A
06544	5010A
07101G0A	5570
07101G0B	5570
07101G0D	5575
07101GOA	5570
07101GOB	5570
07101GOD	5575
07102G0A	5570
07102G0B	5570
07102G0D	5575
07102GOA	5570
07102GOB	5570
07103G0A	5572
07103G0B	5572
07103G0D	5577
07103GOA	5572
07103GOB	5572
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08050	116
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09005	703
09006	703
09007	750
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09011	720
09017	722
09018	788
09500	199
09501	199
09502	199
09502-8	123A
09800	159
09800-12	129
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011950	519
011956	519
012013-1	123A
012015	128
012085	175
012099-1	129
013339	117A
013339(Rectifier)	125
014002-1	177
014007-1	519
014007-2	519
014024	519
014382	121
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014944	289A
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018069	129
018077	128
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020426-3	197
020841	921
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022939	396
023606	312
023754	384
023762	130
025026	116
025056	116
025072	125
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030011-1	128
030011-2	128
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030538	123A
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030542	123A
030542-1	123A
030543	123A
030543-1	123A
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033563	326
033571	129
033571(ELECTRO)	193A
033589	193A
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057005H	109
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057293	177
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080028	160
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080277	126A
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081019	102A
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081029	158
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081050	102A
081056	102A
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082006	123A
082019	123A
082020	233
082022	195A
082025	237
082028	289A
082029	237
082033	195A
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084001C	121
085002	109
085003	177
085004	109
085005	110MP
085006	109
085016	109
085026	110MP
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0301091	91
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0320064	289A
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0404012-001	9949
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0525002	109
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0535005	109
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0537820	109
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0573030-14	131
0573031	131MP
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0573040	121
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0573114	102A
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0573117-14	102A
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0573152	102A
0573153	102A
0573153H	102A
0573166	104
0573184	158
0573185	176
0573187	102A
0573199	127
0573199H	127
0573200	102A
0573202	123A
0573204	158
0573205	121
0573212	131
0573212H	127
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0573418	123A
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0573429	102A
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0573469	123A
0573469H	123A
0573471	126A
0573472	289A
0573474	161
0573474H	161
0573475	161
0573479	289A
0573479H	123A
0573480	85

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To Be Replaced	ECG Replacement
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0573487H	233
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0573492	289A
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0573495	108
0573501	154
0573506	108
0573506H	108
0573507	107
0573507H	108
0573508	107
0573509	229
0573509H	107
0573510	107
0573510H	107
0573511	108
0573511H	107
0573515	124
0573515H	124
0573517	128
0573518	126A
0573519	154
0573523	123A
0573525	175
0573526	163A
0573527	128
0573529	123A
0573532	123A
0573541	237
0573542	129
0573556	123A
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0573559	129
0573560	129
0573562	130
0573570	108
0573607	107
0573742	102A
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0575002H	109
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0575005	109
0575005H	109
0575007	109
0575019	110MP
0575019H	110MP
0575047	506
0575047H	506
0575049	506
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0575051	116
0575054	506
0575066	506
0575067	109
0575099	109
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0576054	116
0577001	109
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0620076	503
0622070	116
0690403A47	2V150
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01031687	123A
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02600043	109
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04040505	941D
04040505-001	941D
04040751-001	923D
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04450037-002	182
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06120003	152
06120005	85
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06120012	283
06120013	229
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06120021	152
06120025	85
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06120078	165
06120083	376
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06120151	289A
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06120156	157
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06130017	375
06130018	375
06130019	238
06130033	152
06130034	152
06130036	375◆
06130037	165
06130039	293
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06300066	1522
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0PI2254	3040
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0X-0513	601
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¼ A7.5A	5015A
¼ A7.5B	5015A
¼ A8.2	5016A
¼ A8.2A	5016A
¼ A8.2B	5016A
¼ A9.1	5018A
¼ A9.1A	5018A
¼ A9.1B	5018A
¼ A10	5019A
¼ A10A	5019A
¼ A10B	5019A
¼ A11	5020A
¼ A11A	5020A
¼ A11B	5020A
¼ A12	5021A
¼ A12A	5021A
¼ A12B	5021A
¼ A13	5022A
¼ A13A	5022A
¼ A13B	5022A
¼ A14	5023A
¼ A14A	5023A
¼ A14B	5023A
¼ A15	5024A
¼ A15A	5024A
¼ A15B	5024A
¼ A16	5025A
¼ A16A	5025A
¼ A16B	5025A
¼ A17	5026A
¼ A17A	5026A
¼ A17B	5026A
¼ A18	5027A
¼ A18A	5027A
¼ A18B	5027A
¼ A19	5028A
¼ A19A	5028A
¼ A19B	5028A
¼ A20	5029A
¼ A20A	5029A
¼ A20B	5029A
¼ A22	5030A
¼ A22A	5030A
¼ A22B	5030A
¼ A24	5031A
¼ A24A	5031A
¼ A24B	5031A
¼ A25	5032A
¼ A25A	5032A
¼ A25B	5032A
¼ A27	5033A
¼ A27A	5033A
¼ A27B	5033A
¼ A30	5035A
¼ A30A	5035A
¼ A30B	5035A
¼ A33	5036A
¼ A33A	5036A
¼ A33B	5036A
¼ A36	5037A
¼ A36A	5037A
¼ A36B	5037A
¼ A39	5038A
¼ A39A	5038A
¼ A39B	5038A
¼ A43	5039A
¼ A43A	5039A
¼ A43B	5039A
¼ A47	5040A
¼ A47A	5040A
¼ A47B	5040A
¼ A56	5042A
¼ A56A	5042A
¼ A56B	5042A
¼ A62	5044A
¼ A62A	5044A
¼ A62B	5044A
¼ A68	5045A
¼ A68A	5045A
¼ A68B	5045A
¼ A75	5046A
¼ A75A	5046A
¼ A75B	5046A
¼ A82	5047A
¼ A82A	5047A
¼ A82B	5047A
¼ A91	5049A
¼ A91A	5049A
¼ A91B	5049A
¼ A100	5050A
¼ A100A	5050A
¼ A100B	5050A
¼ A110	5051A
¼ A110A	5051A
¼ A110B	5051A
¼ A120	5052A
¼ A120A	5052A
¼ A120B	5052A
¼ A130	5053A
¼ A130A	5053A
¼ A130B	5053A
¼ A140	5054A
¼ A140A	5054A
¼ A140B	5054A
¼ A150	5055A
¼ A150A	5055A
¼ A150B	5055A
¼ A200	5060A
¼ A200A	5060A
¼ A200B	5060A
¼ AZ2.4D	5000A
¼ AZ2.4D5	5000A
¼ AZ2.4D10	5000A
¼ AZ2.7D	5002A
¼ AZ2.7D5	5002A
¼ AZ2.7D10	5002A
¼ AZ3.0D	5004A
¼ AZ3.0D5	5004A
¼ AZ3.0D10	5004A
¼ AZ3.3D	5005A
¼ AZ3.3D5	5005A
¼ AZ3.3D10	5005A
¼ AZ3.6D	5006A
¼ AZ3.6D5	5006A
¼ AZ3.6D10	5006A
¼ AZ3.9D	5007A
¼ AZ3.9D5	5007A
¼ AZ3.9D10	5007A
¼ AZ4.3D	5008A
¼ AZ4.3D5	5008A
¼ AZ4.3D10	5008A
¼ AZ4.7D	5009A
¼ AZ4.7D5	5009A
¼ AZ4.7D10	5009A
¼ AZ5.1D	135A
¼ AZ5.1D5	5010A
¼ AZ5.1D10	5010A
¼ AZ5.6D	5011A
¼ AZ5.6D5	5011A
¼ AZ5.6D10	5011A
¼ AZ6.2D	5013A
¼ AZ6.2D5	5013A
¼ AZ6.2D10	5013A
¼ AZ6.8D	5014A
¼ AZ6.8D5	5014A
¼ AZ6.8D10	5014A
¼ LZ2.4D	5000A
¼ LZ2.4D5	5000A
¼ LZ2.4D10	5000A
¼ LZ2.7D	5002A
¼ LZ2.7D5	5002A
¼ LZ2.7D10	5002A
¼ LZ3.0D	5004A
¼ LZ3.0D5	5004A
¼ LZ3.0D10	5004A
¼ LZ3.3D	5005A
¼ LZ3.3D5	5005A
¼ LZ3.3D10	5005A
¼ LZ3.6D	5006A
¼ LZ3.6D5	5006A
¼ LZ3.6D10	5006A
¼ LZ3.9D	5007A
¼ LZ3.9D5	5007A
¼ LZ3.9D10	5007A
¼ LZ4.3D	5008A
¼ LZ4.3D5	5008A
¼ LZ4.3D10	5008A
¼ LZ4.7D	5009A
¼ LZ4.7D5	5009A
¼ LZ4.7D10	5009A
¼ LZ5.1D	5010A
¼ LZ5.1D5	5010A
¼ LZ5.1D10	5010A
¼ LZ5.6D	5011A
¼ LZ5.6D5	136A
¼ LZ5.6D10	5011A
¼ LZ6.2D	5013A
¼ LZ6.2D5	5013A
¼ LZ6.2D10	5013A
¼ LZ6.8D	5014A
¼ LZ6.8D5	5014A
¼ LZ6.8D10	5014A
¼ M2.4AZ	5000A
¼ M2.4AZ5	5000A
¼ M2.4AZ10	5000A
¼ M2.7AZ	5002A
¼ M2.7AZ5	5002A
¼ M2.7AZ10	5002A
¼ M3.0AZ	5004A
¼ M3.0AZ5	5004A
¼ M3.0AZ10	5004A
¼ M3.3AZ	5005A
¼ M3.3AZ5	5005A
¼ M3.3AZ10	5005A
¼ M3.6AZ	5006A
¼ M3.6AZ5	5006A
¼ M3.6AZ10	5006A
¼ M3.9AZ	5007A
¼ M3.9AZ5	5007A
¼ M3.9AZ10	5007A
¼ M4.3AZ	5008A
¼ M4.3AZ5	5008A
¼ M4.3AZ10	5008A
¼ M4.7AZ	5009A
¼ M4.7AZ5	5009A
¼ M4.7AZ10	5009A
¼ M5.1AZ	5010A
¼ M5.1AZ1	5010T1
¼ M5.1AZ2	5010T1
¼ M5.1AZ5	5010A
¼ M5.1AZ10	5010A
¼ M5.6AZ	5011A
¼ M5.6AZ1	5011T1
¼ M5.6AZ2	5011T1
¼ M5.6AZ5	5011A
¼ M5.6AZ10	5011A
¼ M6,2AZ	5013A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
¼ M6.2AZ1	5013T1
¼ M6.2AZ2	5013T1
¼ M6.2AZ5	5013A
¼ M6.2AZ10	5013A
¼ M6.8AZ	5014A
¼ M6.8AZ5	5014A
¼ M6.8AZ10	5014A
¼ M6.8Z	5014A
¼ M6.8Z5	5014A
¼ M6.8Z10	5014A
¼ M7.5AZ5	5015A
¼ M7.5Z	5015A
¼ M7.5Z5	5015A
¼ M7.5Z10	5015A
¼ M8.2Z	5016A
¼ M8.2Z5	5016A
¼ M8.2Z10	5016A
¼ M9.1Z	5018A
¼ M9.1Z5	5018A
¼ M9.1Z10	5018A
¼ M10Z	5019A
¼ M10Z1	5019T1
¼ M10Z2	5019T1
¼ M10Z5	5019A
¼ M10Z10	5019A
¼ M11Z	5020A
¼ M11Z5	5020A
¼ M11Z10	5020A
¼ M12Z	5021A
¼ M12Z1	5021T1
¼ M12Z2	5021T1
¼ M12Z5	5021A
¼ M12Z10	5021A
¼ M13Z	5022A
¼ M13Z5	5022A
¼ M13Z10	5022A
¼ M14Z	5023A
¼ M14Z5	5023A
¼ M14Z10	5023A
¼ M15Z	5024A
¼ M15Z5	5024A
¼ M16Z	5025A
¼ M16Z5	5025A
¼ M16Z10	5025A
¼ M17Z	5026A
¼ M17Z5	5026A
¼ M17Z10	5026A
¼ M18Z	5027A
¼ M18Z5	5027A
¼ M18Z10	5027A
¼ M19Z	5028A
¼ M19Z5	5028A
¼ M19Z10	5028A
¼ M20Z	5029A
¼ M20Z5	5029A
¼ M20Z10	5029A
¼ M22Z	5030A
¼ M22Z5	5030A
¼ M22Z10	5030A
¼ M24Z	5031A
¼ M24Z5	5031A
¼ M24Z10	5031A
¼ M25Z	5032A
¼ M25Z5	5032A
¼ M25Z10	5032A
¼ M27Z	5033A
¼ M27Z5	5033A
¼ M27Z10	5033A
¼ M30Z	5035A
¼ M30Z5	5035A
¼ M30Z10	5035A
¼ M33Z	5036A
¼ M33Z5	5036A
¼ M33Z10	5036A
¼ M36Z	5037A
¼ M36Z5	5037A
¼ M36Z10	5037A
¼ M39Z	5038A
¼ M39Z5	5038A
¼ M39Z10	5038A
¼ M43Z	5039A
¼ M43Z5	5039A
¼ M43Z10	5039A
¼ M47Z	5040A
¼ M47Z5	5040A
¼ M47Z10	5040A
¼ M56Z	5042A
¼ M56Z5	5042A
¼ M56Z10	5042A
¼ M62Z	5044A
¼ M62Z5	5044A
¼ M62Z10	5044A
¼ M68Z	5045A
¼ M68Z5	5045A
¼ M68Z10	5045A
¼ M75Z	5046A
¼ M75Z5	5046A
¼ M75Z10	5046A
¼ M82Z	5047A
¼ M82Z5	5047A
¼ M82Z10	5047A
¼ M91Z	5049A
¼ M91Z5	5049A
¼ M91Z10	5049A
¼ M100Z	5050A
¼ M100Z5	5050A
¼ M100Z10	5050A
¼ M110Z	5051A
¼ M110Z5	5051A
¼ M110Z10	5051A
¼ M120Z	5052A
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¼ M120Z10	5052A
¼ M130Z	5053A
¼ M130Z5	5053A
¼ M130Z10	5053A
¼ M140Z	5054A
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¼ M140Z10	5054A
¼ M150Z	5055A
¼ M150Z5	5055A
¼ M150Z10	5055A
¼ M160Z	5056A
¼ M160Z5	5056A
¼ M160Z10	5056A
¼ M175Z	5057A
¼ M175Z5	5057A
¼ M175Z10	5057A
¼ M180Z	5058A
¼ M180Z5	5058A
¼ M180Z10	5058A
¼ M200Z	5060A
¼ M200Z5	5060A
¼ M200Z10	5060A
¼ Z6.8D	5014A
¼ Z6.8D5	5014A
¼ Z6.8D10	5014A
¼ Z7.5D	5015A
¼ Z7.5D5	5015A
¼ Z7.5D10	5015A
¼ Z8.2D	5016A
¼ Z8.2D5	5016A
¼ Z8.2D10	5016A
¼ Z9.1D	5018A
¼ Z9.1D5	5018A
¼ Z9.1D10	5018A
¼ Z10D	5019A
¼ Z10D5	5019A
¼ Z10D10	5019A
¼ Z11D	5020A
¼ Z11D5	5020A
¼ Z11D10	5020A
¼ Z12D	5021A
¼ Z12D5	5021A
¼ Z12D10	5021A
¼ Z13D	5022A
¼ Z13D5	5022A
¼ Z13D10	5022A
¼ Z14D	5023A
¼ Z14D5	5023A
¼ Z14D10	5023A
¼ Z15D5	5024A
¼ Z15D10	5024A
¼ Z16D	5025A
¼ Z16D5	5025A
¼ Z16D10	5025A
¼ Z17D	5026A
¼ Z17D5	5026A
¼ Z17D10	5026A
¼ Z18D	5027A
¼ Z18D5	5027A
¼ Z18D10	5027A
¼ Z19D	5028A
¼ Z19D5	5028A
¼ Z19D10	5028A
¼ Z20D5	5029A
¼ Z20D10	5029A
¼ Z22D	5030A
¼ Z22D5	5030A
¼ Z22D10	5030A
¼ Z24D	5031A
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¼ Z24D10	5031A
¼ Z25D	5032A
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¼ Z25D10	5032A
¼ Z27D	5033A
¼ Z27D5	5033A
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¼ Z30D	5035A
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¼ Z51D10	5041A
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¼ Z56D10	5042A
¼ Z62D	5044A
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¼ Z62D10	5044A
¼ Z68D	5045A
¼ Z68D5	5045A
¼ Z68D10	5045A
¼ Z75D	5046A
¼ Z75D5	5046A
¼ Z75D10	5046A
¼ Z82D	5047A
¼ Z82D5	5047A
¼ Z82D10	5047A
¼ Z91D	5049A
¼ Z91D5	5049A
¼ Z91D10	5049A
¼ Z100D	5050A
¼ Z100D5	5050A
¼ Z100D10	5050A
¼ Z110D	5051A
¼ Z110D5	5051A
¼ Z110D10	5051A
¼ Z120D	5052A
¼ Z120D5	5052A
¼ Z120D10	5052A
¼ Z130D	5053A
¼ Z130D5	5053A
¼ Z130D10	5053A
¼ Z140D	5054A
¼ Z140D5	5054A
¼ Z140D10	5054A
¼ Z150D	5055A
¼ Z150D5	5055A
¼ Z150D10	5055A
¼ Z160D	5056A
¼ Z160D5	5056A
¼ Z160D10	5056A
¼ Z180D	5058A
¼ Z180D5	5058A
¼ Z180D10	5058A
¼ Z200D	5060A
¼ Z200D5	5060A
¼ Z200D10	5060A
¼ Z220D	5029A
½ Z3.3T5	5005A
½ Z3.6T5	5006A
½ Z3.9T5	5007A
½ Z4.3T5	5008A
½ Z4.7T5	5009A
½ Z5.1T5	5010A
½ Z5.6T5	5011A
½ Z6.2T5	5013A
½ Z6.8T5	5014A
½ Z7.5T5	5015A
½ Z8.2T5	5016A
½ Z9.1T5	5018A
½ Z10T5	5019A
½ Z11T5	5020A
½ Z12T5	5021A
½ Z13T5	5022A
½ Z15T5	5024A
½ Z16T5	5025A
½ Z18T5	5027A
½ Z20T5	5029A
½ Z22T5	5030A
½ Z24T5	5031A
½ Z27T5	5033A
½ Z30T5	5035A
½ Z33T5	5036A
½ Z36T5	5037A
½ Z39T5	5038A
½ Z43T5	5039A
½ Z47T5	5040A
½ Z51T5	5041A
½ Z56T5	5042A
½ Z62T5	5044A
½ Z68T5	5045A
½ Z75T5	5046A
½ Z82T5	5047A
½ Z91T5	5049A
½ Z100T5	5050A
¾ Z12D5	142A
¾ Z12D10	142A
.25N6.8	5014A
.25N7.5	5015A
.25N8.2	5016A
.25N9.1	5018A
.25N10	5019A
.25N11	5020A
.25N12	5021A
.25N13	5022A
.25N14	5023A
.25N15	5024A
.25N16	5025A
.25N17	5026A
.25N18	5027A
.25N19	5028A
.25N20	5029A
.25N22	5030A
.25N24	5031A
.25N25	5032A
.25N27	5033A
.25N30	5035A
.25N33	5036A
.25N36	5037A
.25N39	5038A
.25N43	5039A
.25N47	5040A
.25N50	5041A
.25N52	5041A
.25N56	5042A
.25N62	5044A
.25N68	5045A
.25N75	5046A
.25N82	5047A
.25N91	5049A
.25N100	5050A
.25N110	5051A
.25N120	5052A
.25N130	5053A
.25N140	5054A
.25N150	5055A
.25N200	5060A
.25T5.6	5011A
.25T5.6A	5011A
.25T5.6B	5011A
.25T6.2	5013A
.25T6.2A	5013A
.25T6.2B	5013A
.25T6.8	5014A
.25T6.8A	5014A
.25T6.8B	5014A
.25T7.5	5015A
.25T7.5A	5015A
.25T7.5B	5015A
.25T8.2	5016A
.25T8.2A	5016A
.25T8.2B	5016A
.25T8.7	5017A
.25T8.7A	5017A
.25T8.7B	5017A
.25T9.1	5018A
.25T9.1A	5018A
.25T9.1B	5018A
.25T10	5019A
.25T10A	5019A
.25T10B	5019A
.25T11	5020A
.25T11A	5020A
.25T11B	5020A
.25T12	5021A
.25T12A	5021A
.25T12B	5021A
.25T13	5022A
.25T13A	5022A
.25T13B	5022A
.25T14A	144A
.25T15	5024A
.25T15A	5024A
.25T15B	5024A
.25T16	5025A
.25T16A	5025A
.25T16B	5025A
.25T18	5027A
.25T18A	5027A
.25T18B	5027A
.25T20	5029A
.25T20A	5029A
.25T20B	5029A
.25T22	5030A
.25T22A	5030A
.25T22B	5030A
.25T24	5031A
.25T24A	5031A
.25T24B	5031A
.25T27	5033A
.25T27A	5033A
.25T27B	5033A
.25T30	5035A
.25T30A	5035A
.25T30B	5035A
.25T33	5036A
.25T33A	5036A
.25T33B	5036A
.25T36	5037A
.25T36A	5037A
.25T36B	5037A
.25T39	5038A
.25T39A	5038A
.25T39B	5038A
.25T43	5039A
.25T43A	5039A
.25T43B	5039A
.25T47	5040A
.25T47A	5040A
.25T47B	5040A
.25T51	5041A
.25T51A	5041A
.25T51B	5041A
.25T56	5042A
.25T56A	5042A
.25T56B	5042A
.25T62	5044A
.25T62A	5044A
.25T62B	5044A
.25T68	5045A
.25T68A	5045A
.25T69B	5045A
.25T75	5046A
.25T75A	5046A
.25T75B	5046A
.25T82	5047A
.25T82A	5047A
.25T82B	5047A
.25T87	5048A
.25T87A	5048A
.25T87B	5048A
.25T91	5049A
.25T91A	5049A
.25T91B	5049A
.25T100	5050A
.25T100A	5050A
.25T100B	5050A
.25T110	5051A
.25T110A	5051A
.25T110B	5051A
.25T120	5052A
.25T120A	5052A
.25T120B	5052A
.25T130	5053A
.25T130A	5053A
.25T130B	5053A
.25T150	5055A
.25T150A	5055A
.25T150B	5055A
.25T160	5056A
.25T160A	5056A
.25T160B	5056A
.25T180	5058A
.25T180A	5058A
.25T180B	5058A
.25T200	5060A
.25T200A	5060A
.25T200B	5060A
.4M2.4AZ5	5000A
.4M2.4AZ10	5000A
.4M2.7AZ5	5002A
.4M2.7AZ10	5002A
.4M3.0AZ5	5004A
.4M3.0AZ10	5004A
.4M3.0ZA10	5004A
.4M3.3AZ5	5005A
.4M3.3AZ10	5005A
.4M3.6AZ5	5006A
.4M3.6AZ10	5006A
.4M3.9AZ5	5007A
.4M3.9AZ10	5007A
.4M4.3AZ5	5008A
.4M4.3AZ10	5008A
.4M4.3Z5	5008A
.4M4.7AZ5	5009A
.4M4.7AZ10	5009A
.4M5.1AZ1	5010T1
.4M5.1AZ2	5010T1
.4M5.1AZ5	5010A
.4M5.1AZ10	5010A
.4M5.6AZ1	5011T1
.4M5.6AZ2	5011T1
.4M6.2AZ1	5013T1
.4M6.2AZ2	5013T1
.4M6.2AZ5	5013A
.4M6.2AZ10	5013A
.4M6.8AZ5	5014A
.4M6.8AZ10	5014A
.4M6.8Z5	5014A
.4M6.8Z10	5014A
.4M7.5AZ5	5015A
.4M7.5AZ10	5015A
.4M7.5Z5	5015A
.4M8.2AZ5	5016A
.4M8.2AZ10	5016A
.4M8.2Z	5016A
.4M8.2Z5	5016A
.4M9.1AZ5	5018A
.4M9.1AZ10	5018A
.4M9.1Z	5018A
.4M9.1Z5	5018A
.4M10AZ1	5019T1
.4M10AZ2	5019T1
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.5M43ZS5	5039A
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To Be Replaced	ECG Replacement
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.7E3	116
.7E4	116
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.7ZM82	150A
.7ZM82A	150A
.7ZM82B	150A
.7ZM82D	150A◆
.7ZM91	5095A
.7ZM91A	5095A
.7ZM91B	5095A
.7ZM91D	5095A◆
.7ZM100	5096A
.7ZM100A	5096A
.7ZM100B	5096A
.7ZM100D	5096A◆
.7ZM110	151A
.7ZM110A	151A
.7ZM110B	151A
.7ZM110D	151A◆
.7ZM120	5097A
.7ZM120A	5097A
.7ZM120B	5097A
.7ZM120D	5097A◆
.7ZM130	5098A
.7ZM130A	5098A
.7ZM130B	5098A
.7ZM130D	5098A◆
.7ZM140	5099A
.7ZM140A	5099A
.7ZM140B	5099A
.7ZM140D	5099A◆
.7ZM150	5100A
.7ZM150A	5100A
.7ZM150B	5100A
.7ZM150D	5100A◆
.7ZM160	5101A
.7ZM160A	5101A
.7ZM160B	5101A
.7ZM160D	5101A◆
.7ZM180	5103A
.7ZM180A	5103A
.7ZM180B	5103A
.7ZM180D	5103A◆
.7ZM200	5105A
.7ZM200A	5105A
.7ZM200B	5105A
.7ZM200D	5105A◆
1-000-099-00	7490
1-0002-0001	519
1-0006-0021	123A
1-0006-0022	123A
1-0006-0023	159
1-001-003-15	123A
1-001/2207	177
1-002	130
1-003	130
1-014/2207	177
1-015-1160	127
1-017	109
1-021-0427	500A
1-021-0454	523/3306
1-023(H.H.SCOTT)	181
1-024(H.H.SCOTT)	180
1-030(H.H.SCOTT)	130
1-031(H.H.SCOTT)	219
1-034/2207	159
1-035/2207	128
1-037/2207	109
1-041/2207	108
1-042/2207	123A
1-043/2207	159
1-044/2207	123A
1-021151	124
1-021162	124
1-021221	128
1-021270	130
1-021280	181
1-021290	128
1/4M4.7AZ5	5009A
1/4M6.8Z5	5014A
1/4M16Z5	5025A
1/4M24Z5	5031A
1/4M36Z5	5037A
1/4M120Z5	5052A
1/4M130Z5	5053A
1/4M200Z5	5060A
1-20-001-890	116
1-21-73	100
1-21-74	100
1-21-75	100
1-21-76	100
1-21-78	100
1-21-83	100
1-21-91	100
1-21-92	100
1-21-93	100
1-21-95	102A
1-21-96	102A
1-21-100	100
1-21-102	100
1-21-103	100
1-21-104	100
1-21-105	100
1-21-106	102A
1-21-107	102A
1-21-120	102A
1-21-128	100
1-21-135	160
1-21-137	160
1-21-138	126A
1-21-139	160
1-21-148	102A
1-21-150	160
1-21-157	160
1-21-161	100
1-21-162	100
1-21-164	102A
1-21-179	100
1-21-180	100
1-21-184	102A
1-21-186	100
1-21-189	126A
1-21-190	160
1-21-191	102A
1-21-192	102A
1-21-225	102A
1-21-226	102A
1-21-227	102A
1-21-228	160
1-21-229	160
1-21-230	160
1-21-231	160
1-21-232	102A
1-21-233	160
1-21-234	100
1-21-235	100
1-21-236	100
1-21-240	100
1-21-241	100
1-21-242	126A
1-21-243	126A
1-21-244	126A
1-21-246	102A
1-21-254	100
1-21-256	160
1-21-257	126A
1-21-258	160
1-21-259	160
1-21-260	160
1-21-266	102A
1-21-267	102A
1-21-270	121
1-21-271	121
1-21-272	102A
1-21-273	100
1-21-274	102A
1-21-275	100
1-21-276	123A
1-21-277	123A
1-21-278	123A
1-21-279	123A
1-21-289	100
1-57-83	532
1-101	116
1-210	136A
1-425-636	109
1-506-319	156
1-530-012-11	116
1-531-024	167
1-531-027	116
1-531-028	503
1-531-028-21	503
1-531-052(SONY)	502
1-531-055(SONY)	502
1-531-063-00	503
1-531-064-00	502
1-531-5-11	116
1-531-105	116
1-531-106-13	116
1-531-106-17	116
1-531-10513	116
1-534-105-13	116
1-590-1261	7440
1-800-496-11	1155
1-800-570-11	1659
1-800-653-11	1153◆
1-800-662-11	1185
1-801-003	123A
1-801-003-12	108
1-801-003-13	108
1-801-003-14	108
1-801-003-15	108
1-801-004	123A
1-801-004-17	123A
1-801-005	158
1-801-005-23	102A
1-801-006	158
1-801-006-12	102A
1-801-006-14	102A
1-801-009-11	5651
1-801-301-13	124
1-801-301-14	124
1-801-301-15	124
1-801-304-15	107
1-801-305-13	108
1-801-306	108
1-801-306-13	108
1-801-306-14	108
1-801-306-15	108
1-801-308	102A
1-801-308-24	102A
1-801-309	103A
1-801-310	158
1-801-314	123A
1-801-314-15	123A
1-801-314-16	123A
1-806-066-11	1488
1-806-103-11	1930
1-806-127-11	2406
1-806-801-11	1707
1-806-828-11	2408
1-806-829-11	2402
1-806-832-11	2408
1-807-104-11	2358
1-807-105-11	2357
1-807-107-11	1729
1-2114-0	128
1-8259	116
1-12689	109
1-13989	519
1-16549	177
1-20363	139A
1-20398	140A
1-22489	139A
1-22518	116
1-22519	135A
1-522210111	102A
1-522210111	102A
1-522210131	160
1-522210300	160
1-522210921	160
1-522211021	160
1-522211200	102A
1-522211328	102A
1-522211921	160
1-522214400	160
1-522214411	160
1-522214435	160
1-522214821	160
1-522214831	160
1-522216500	102A
1-522216600	160
1-522217400	160
1-522223720	123A
1-6147191229	123A
1-6171191368	123A
1-6207190405	102A
1-6501190016	116
1 735 0060	159
1 735 0061	159
1 735 0066	159
1 735 0068	129
1,000,111-00	159
1,5KE27C	4935
1A0012	102A
1A0013	282§
1A0013(Yamaha)	175
1A0020	313
1A0021	289A
1A0022	289A
1A0024	199
1A0025	123AP
1A0027	175
1A0027(Yamaha)	175
1A0029	313
1A0032	289A
1A0033	289A
1A0034	123A
1A0035	123A
1A0037	289A
1A0038	124
1A0043	123A
1A0044	107
1A0045	289A
1A0046	291
1A0048	175
1A0048(Yamaha)	175
1A0051	289A
1A0055	102A
1A0056	102A
1A0058	152
1A0059	291
1A0063	123A
1A0066	128
1A0067	289A
1A0070	123AP
1A0076	123AP
1A0077	123AP
1A0078	123AP
1A0079	123A
1A0080	123A
1A0081	123A
1A0083	289A
1A0084	289A
1A0909	285
1A04582	160
1A04832	218
1A04844	323
1A04854	323
1A04950	290A
1A04951	290A
1A04952	290A
1A05091	290A
1A05370	129
1A05375	129
1A05378	129
1A05612	159
1A05617	159
1A05627	290A
1A06720	159
1A06728	159
1A06731	290A
1A07633	234
1A08146	292
1A08721	234
1A1	116
1A7.5M	138A
1A7.5MA	138A
1A8-1A82	160
1A9.1M	139A
1A9.1MA	139A
1A10M	140A
1A10MA	140A
1A12M	142A
1A12MA	142A
1A13M	143A
1A13MA	143A
1A15M	145A
1A15MA	145A
1A27M	146A
1A27MA	146A
1A33M	147A
1A33MA	147A
1A34	128
1A34R	128
1A35	519
1A50	116
1A52	5000A
1A53	5002A
1A55	5005A
1A56	5006A
1A56M	148A
1A56MA	148A
1A57	5007A
1A58	5008A
1A59	5009A
1A60	5010A
1A61	5011A
1A62	5013A
1A62M	149A
1A62MA	149A
1A82M	150A
1A82MA	150A
1A100V	116
1A110M	151A
1A110MA	151A
1A348	128
1A348R	128
1A741NC	941
1A4757-1	123A
1A10425	116
1A11184	116
1A11306	109
1A11671	116
1A12214	116
1A12407	116
1A12688	139A
1A12689	109
1A12690	116
1A13219	116
1A13719	116
1A13720	116
1A14384	109
1A15790	116
1A16549	177
1A16550	116
1A16551	177
1A69425-1	519
1A99812-1001	519
1A1123100-1	181
1AC12	142A
1AC12A	142A
1AC12B	142A
1AC15	145A
1AC15A	145A
1AC15B	145A
1AC27	146A
1AC27A	146A
1AC27B	146A
1AC33	147A
1AC33A	147A
1AC33B	147A
1AC62	149A
1AC62A	149A
1AC62B	149A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
1AC82	150A
1AC82A	150A
1AC82B	150A
1AC110	151A
1AC110A	151A
1AC110B	151A
1AMH2	525
1AS027	156
1AS029	156
1B	504
1B05	166
1B05J05	166
1B05J20	116
1B05J40	116
1B08T05	166
1B08T10	166
1B08T20	167
1B01860	102A
1B05310	281
1B05362	292
1B1	166
1B1.1	5304
1B2	167
1B-2C1	116
1B2C1	116(2)
1B2.K	5304
1B2Z1	116(2)
1B3.C	5304
1B4	168
1B4B	5304
1B4B1	5304
1B4B41	166
1B4B42	5332
1B4.1	5304
1B6	169
1B8	170
1B10	170
1B10J20	116
1B2992	519
1B3096-1	159
1B12421	5882
1BH62	552
1BZ61	116
1C0009	116
1C0017	177
1C0020	138A
1C0025	116
1C0026	116
1C0029	109
1C0031	116
1C0038	137A
1C0039	109
1C05	116(2)
1C04580	289A
1C04581	289A
1C04582	289A
1C04585	289A
1C04588	289A
1C04844	324
1C04848	324
1C04852	324
1C04854	324
1C04977	128
1C05092	289A
1C06443	199
1C07085	128
1C07324	199
1C07341	289A
1C07342	289A
1C07352	289A
1C07523	123AP
1C07832	286
1C08281	289A
1C08282	289A
1C08289	289A
1C08979	280
1C08980	280
1C09848	123A
1C1	116(2)
1C2	116(2)
1C4	116(2)
1C6	711
1C6(IC)	711
1C6(Rect)	116(2)
1C8	748A
1C8(Rect)	125(2)
1C8(IC)	748A
1C10	125(2)
1C12Z	142A
1C12ZA	142A
1C15Z	145A
1C15ZA	145A
1C21	782S
1C27Z	146A
1C27ZA	146A
1C33Z	147A
1C33ZA	147A
1C62Z	149A
1C62ZA	149A
1C82Z	150A
1C82ZA	150A
1C110Z	151A
1C110ZA	151A
1C3576	123A
1C10001	199
1C10300	280
1C10792	280
1C10800	280
1C11165	284
1C11661	175
1C12129	373
1C12131	289A
1C13452	199
1C14450	196
1C15370	199
1C15375	199
1C15713	293
1C15860	388
1C16246	291
1C25681-A01	529
1C73045	235
1C744001	229
1C744002	229
1C744003	123A
1C744004	289A
1C744005	161
1C744006	293
1C744007	297
1C744008	184
1C744009	236
1C744010	519
1C744012	109
1C744211	199
1C744213	519
1CC580C	1196
1CL-201A-TY	1171
1CL-301A-TY	1171
1CL-723C-TZ	923
1CL-741C-TY	941
1CL-741-LNC	941D
1CL-748C-TY	1171
1D00900	152
1D00922	291
1D08	145A
1D098-001V-022	177
1D01140	181
1D01560	124
1D02120	130
1D02341	152
1D02351	152
1D02560	152
1D02591	291
1D03710	284
1D03812	291
1D04240	284
1D04250	280
1D05250	321
1D1	116(2)
1D2	125(2)
1D2C1	125(2)
1D2C1LC2	125(2)
1D2Z1	125(2)
1D3.3A	5066A
1D3.3B	5066A
1D3.6	134A
1D3.6A	134A
1D3.6B	134A
1D3.9A	5067A
1D3.9B	5067A
1D4B1	5304
1D4B41	167
1D4.3A	5068A
1D4.3B	5068A
1D4.7B	5069A
1D5.1	135A
1D5.1A	135A
1D5.1B	135A
1D5.6	136A
1D5.6A	136A
1D5.6B	136A
1D6	116(2)
1D6.2	137A
1D6.2A	137A
1D6.2B	137A
1D6.2SA	137A
1D6.2SB	137A
1D8	125(2)
1D10	125(2)
1D27Z5	146A
1D100	5400
1D101	5401
1D102	5402
1D103	5404
1D104	5404
1D105	5405
1D106	5405
1D261	125(2)
1D18000	98
1D18001	98
1D18002	98
1D18003	97
1D18005	97
1DA1Z6.8B	5071A
1DA1Z8.2B	5072A
1DA1Z14B	144A
1DA1Z18B	5077A
1DA1Z22B	5080A
1DA1ZB	140A
1DAZ229B	5078A
1DAZ824C	137A
1DAZ3400B	5071A
1DAZ3401B	5072A
1DAZ3402B	140A
1DAZ3403B	142A
1DAZ3404B	145A
1DAZ3405B	5077A
1DAZ3406B	5080A
1DB050	5332
1DB100	5332
1DB200	5332
1DB400	5332
1DB600	5332
1DB800	5334
1DC1	116
1DG2	109
1DH62	552
1-DI-007	177
1-DI-009	109
1-DLR005	5332
1-DLR02	5332
1-DLR04	5332
1-DLR06	5332
1-DLR08	5334
1-DLR10	5334
1DZ12	142A
1DZ61	116
1E00001	312
1E05	116
1E1	116
1E2	116
1E2Z5	142A
1E3	116
1E4	116
1E5	116
1E6	116
1E7	125
1E7.5Z	138A
1E7.5Z10	138A
1E8	125
1E9.1Z	139A
1E9.1Z10	139A
1E10	125
1E10Z	140A
1E10Z10	140A
1E11Z	141A
1E11Z10	141A
1E12Z	142A
1E12Z5	142A
1E12Z10	142A
1E14Z	144A
1E14Z5	144A
1E14Z10	144A
1E15Z	145A
1E15Z5	145A
1E15Z10	145A
1E27Z	146A
1E27Z5	146A
1E27Z10	146A
1E33Z	147A
1E33Z5	147A
1E33Z10	147A
1E62Z	149A
1E62Z5	149A
1E62Z10	149A
1E82Z	150A
1E82Z5	150A
1E82Z10	150A
1E110Z	151A
1E110Z5	151A
1E110Z10	151A
1E535A	229
1E535A/7825B	229
1E535B	107
1E703E	703
1E90021	312
1E98001	312
1EA10A	117A
1EA20A	117A
1EA30A	117A
1EA40A	117A
1EA50A	117A
1EA60A	117A
1EA70A	125
1EA80A	125
1EA100A	125
1EB10A	5854
1EB20A	5854
1EB30A	5858
1EB40A	5858
1EB50A	5862
1EB60A	5862
1EB70A	5866
1EB80A	5866
1EB100A	5868
1ET02	116
1ET05	116
1ET1	116
1ET2	116
1ET3	116
1ET4	116
1ET5	116
1ET6	116
1ET7	125
1ET8	125
1ET10	125
1EZ3.3D	5066A
1EZ3.3D5	5066A
1EZ3.3D10	5066A
1EZ3.3T10	5066A
1EZ3.6D	134A
1EZ3.6D5	134A
1EZ3.6D10	134A
1EZ3.6T10	134A
1EZ3.9D	5067A
1EZ3.9D5	5067A
1EZ3.9D10	5067A
1EZ3.9T10	5067A
1EZ4.3D	5068A
1EZ4.3D5	5068A
1EZ4.3D10	5068A
1EZ4.3T10	5068A
1EZ4.7D	5069A
1EZ4.7D5	5069A
1EZ4.7D10	5069A
1EZ4.7T10	5069A
1EZ5.1D	135A
1EZ5.1D5	135A
1EZ5.1D10	135A
1EZ5.1T10	135A
1EZ5.6D	136A
1EZ5.6D5	136A
1EZ5.6D10	136A
1EZ5.6T10	136A
1EZ6.2D	137A
1EZ6.2D5	137A
1EZ6.2D10	137A
1EZ6.2T10	137A
1EZ6.8D	5071A
1EZ6.8D5	5071A
1EZ6.8D10	5071A
1EZ6.8T10	5071A
1EZ7.5D	138A
1EZ7.5D5	138A
1EZ7.5D10	138A
1EZ7.5T10	138A
1EZ8.2D	5072A
1EZ8.2D5	5072A
1EZ8.2D10	5072A
1EZ8.2T10	5072A
1EZ9.1D	139A
1EZ9.1D5	139A
1EZ9.1D10	139A
1EZ9.1T10	139A
1EZ10D	140A
1EZ10D5	140A
1EZ10D10	140A
1EZ10T10	140A
1EZ11D	5074A
1EZ11D5	5074A
1EZ11D10	5074A
1EZ11T10	5074A
1EZ12D	142A
1EZ12D5	142A
1EZ12D10	142A
1EZ12T10	142A
1EZ13D	143A
1EZ13D5	143A
1EZ13D10	143A
1EZ13T10	143A
1EZ14D	144A
1EZ14D5	144A
1EZ14D10	144A
1EZ15D	145A
1EZ15D5	145A
1EZ15D10	145A
1EZ15T10	145A
1EZ16D	5075A
1EZ16D5	5075A
1EZ16D10	5075A
1EZ16T10	5075A
1EZ17D	5076A
1EZ17D5	5076A
1EZ17D10	5076A
1EZ18D	5077A
1EZ18D5	5077A
1EZ18D10	5077A
1EZ18T10	5077A
1EZ19D	5078A
1EZ19D5	5078A
1EZ19D10	5078A
1EZ20D	5079A
1EZ20D5	5079A
1EZ20D10	5079A
1EZ20T10	5079A
1EZ22D	5080A
1EZ22D5	5080A
1EZ22D10	5080A
1EZ22T10	5080A
1EZ24D	5081A
1EZ24D5	5081A
1EZ24D10	5081A
1EZ24T10	5081A
1EZ27D	146A
1EZ27D5	146A
1EZ27D10	146A
1EZ27T10	146A
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1N363A	116
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1N365	125
1N365A	125
1N367	110A
1N367B	110A
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1N373	5006A
1N374	5008A
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1N383	177
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1N385	178MP
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1N387	178MP
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1N416B	1N416C
1N416D	1N416E
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1N418	109
1N419	109
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1N434B	177
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1N452	110A
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1N457A	177
1N457M	177
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1N458M	177
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1N459A	177
1N459M	177
1N460	177
1N460A	177
1N460B	177
1N461	177
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1N466A	5006A
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1N468A	5009A
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1N469A	5012A
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1N470A	5014A
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1N477	109
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1N479	109
1N480	109
1N480B	116
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1N486B	177
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1N487B	125
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1N488B	125
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1N492B	141A
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1N493A	141A
1N493B	141A
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1N542MP	110MP
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1N551R	5835
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1N553	5838
1N553R	5839
1N554	5842
1N554R	5843
1N555	5842
1N555R	5843
1N560	125
1N561	125
1N562	5846
1N562R	5847
1N563	5848
1N563R	5849
1N564	109
1N568	177
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1N571	110A
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1N597	125
1N598	125
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1N608R	5835
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1N609R	5835
1N609RA	5835
1N610	5834
1N610A	5834
1N610R	5835
1N610RA	5835
1N611	5838
1N611A	5838

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
1N611R	5839
1N611RA	5839
1N612	5838
1N612A	5838
1N612R	5839
1N612RA	5839
1N613	5842
1N613A	5842
1N613R	5843
1N613RA	5843
1N614	5842
1N614A	5842
1N614R	5843
1N614RA	5843
1N616	5863
1N617	109◆
1N618	109◆
1N619	177
1N622	177
1N625	177
1N625A	177
1N625M	177
1N626	177
1N626A	177
1N626M	177
1N627	177
1N627A	177
1N628	177
1N628A	177
1N629	177
1N629A	177
1N631	109
1N632	109
1N633	177
1N636	109
1N643	177
1N643A	177
1N645	116
1N645A	116
1N645B	116
1N646	116
1N647	116
1N648	116
1N649	116
1N658	177
1N658A	177
1N658M	177
1N659	177
1N659A	177
1N660	177
1N660A	177
1N661	177
1N661A	177
1N662	177
1N662A	177
1N663	177
1N663A	177
1N663M	177
1N664	5016A
1N665	5021A
1N666	5024A
1N667	5027A
1N668	5030A
1N669	5033A
1N670	5045A
1N671	5050A
1N672	5055A
1N673	116
1N674	5009A
1N675	5013A
1N676	116
1N677	116
1N678	116
1N679	116
1N681	116
1N682	116
1N683	116
1N684	116
1N685	116
1N686	116
1N687	116
1N689	116
1N690	177
1N692	116
1N693	506
1N695	110A
1N695A	110A
1N696	177
1N697	177
1N698	110A
1N701	5019A
1N702	5002A
1N702A	5002A
1N703	5006A
1N703A	5006A
1N704	5008A
1N704A	5008A
1N705	5009A
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1N708A	5011A
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1N709A	5013A
1N709B	5013A
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1N710A	5014A
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1N711A	5015A
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1N712A	5016A
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1N713A	5018A
1N713B	139A
1N714	5019A
1N714A	5019A
1N714B	5019A
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1N715A	5020A
1N716	5021A
1N716A	5021A
1N716B	5021A
1N717	5022A
1N717A	5022A
1N718	5024A
1N718A	5024A
1N718B	5024A
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1N720A	5027A
1N720B	5027A
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1N722B	5030A
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1N724A	5033A
1N724B	5033A
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1N725A	5035A
1N726	5036A
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1N726B	5036A
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1N731A	5041A
1N731B	5041A
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1N732A	5042A
1N732B	5042A
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1N733A	5044A
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1N734A	5045A
1N734B	5045A
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1N735A	5046A
1N735B	5046A
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1N736B	5047A
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1N743B	5056A
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1N744B	5058A
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1N745B	5060A
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1N747	5006A
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1N747B	5006A
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1N749A	5008A
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1N752	5011A
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1N753A-F	5013A
1N754	5014A
1N754A	5014A
1N754A-F	5014A
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1N755A	5015A
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1N756A	5016A
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1N757A-F	5018A
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1N762-2	5012A
1N762A	5012A
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1N763-2	5015A
1N763-3	5015A
1N763A	5015A
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1N764-2	5017A
1N764-3	5017A
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1N767-3	5025A
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1N768-2	5028A
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1N965B-F	5024A
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1N971B-F	5033A
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1N981B-F	5045A
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1N982A	5046A
1N982B	5046A
1N982B-F	5046A
1N983	5047A
1N983A	5047A
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1N1561	110A
1N1562	109
1N1563	5801
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1N1564	5802
1N1564A	116
1N1565	5804
1N1565A	116
1N1566	5804
1N1566A	116
1N1567	5806
1N1567A	116
1N1568	5806
1N1568A	116
1N1581	5830
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1N1583	5834
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1N1584	5838
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1N1585	5838
1N1585R	5839
1N1586	5842
1N1586R	5843
1N1587	5842
1N1587R	5843
1N1588	5174AK
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1N1589	5176AK
1N1589A	5176AK
1N1590	5178AK
1N1590A	5178AK
1N1591	5181AK
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1N1592	5183AK
1N1592A	5183AK
1N1593	5186AK
1N1593A	5186AK
1N1594	5188AK
1N1594A	5188AK
1N1595	5191AK
1N1595A	5191AK
1N1596	5194AK
1N1596A	5194AK
1N1597	5197AK
1N1597A	5197AK
1N1598	5200AK
1N1598A	5200AK
1N1599	5174AK
1N1600	5176AK
1N1600A	5176AK
1N1601	5178AK
1N1601A	5178AK
1N1602	5181AK
1N1602A	5181AK
1N1603	5183AK
1N1603A	5183AK
1N1604	5186AK
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1N1605	5188AK
1N1605A	5188AK
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1N1609	5200AK
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1N1612A	5850
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1N1612R	5851
1N1612RA	5851
1N1613	5854
1N1613A	5854
1N1613AR	5855
1N1613R	5855
1N1613RA	5855
1N1614	5854
1N1614A	5854
1N1614AR	5855
1N1614R	5855
1N1614RA	5855
1N1615	5878
1N1615A	5858
1N1615AR	5859
1N1615R	5859
1N1615RA	5859
1N1616	5882
1N1616A	5862
1N1616AR	5863
1N1616R	5883
1N1616RA	5863
1N1617	125
1N1618	125
1N1619	125
1N1620	125
1N1621	5874
1N1622	5874
1N1623	5878
1N1624	5878
1N1630	177
1N1638	177
1N1644	5800
1N1645	5801
1N1646	5802
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1N1650	5804
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1N1653	5806
1N1692	116
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1N1696	116
1N1697	116
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1N1702	116
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1N1706	116
1N1707	116
1N1708	116
1N1709	116
1N1710	116
1N1711	116
1N1712	116
1N1730	125
1N1730A	125
1N1731A	525
1N1744	140A
1N1763	116
1N1763A	116
1N1764	116
1N1764A	116
1N1765	136A
1N1765A	136A
1N1766	137A
1N1766A	137A
1N1767	5071A
1N1767A	5071A
1N1768	138A
1N1768A	138A
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1N1769A	5072A
1N1770	139A
1N1770A	139A
1N1771	140A
1N1771A	140A
1N1772	5074A
1N1772A	5074A
1N1773	142A
1N1773A	142A
1N1774	143A
1N1774A	143A
1N1775	145A
1N1775A	145A
1N1776	5075A
1N1776A	5075A
1N1777	5077A
1N1777A	5077A
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1N1780	5081A
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1N1781	146A
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1N1783	147A
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1N1790	149A
1N1790A	149A
1N1791	5092A
1N1791A	5092A
1N1792	5093A
1N1792A	5093A
1N1793	150A
1N1793A	150A
1N1794	5095A
1N1794A	5095A
1N1795	5096A
1N1795A	5096A
1N1796	151A
1N1796A	151A
1N1797	5097A
1N1797A	5097A
1N1798	5098A
1N1798A	5098A
1N1799	5100A
1N1799A	5100A
1N1800	5101A
1N1800A	5101A
1N1801	5103A
1N1801A	5103A
1N1802	5105A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
1N1802A	5105A
1N1803	5178A
1N1803A	5178A
1N1803AR	5178AK
1N1803R	5178AK
1N1803RA	5178AK
1N1804	5180A
1N1804A	5180A
1N1804AR	5180AK
1N1804R	5180AK
1N1804RA	5180AK
1N1805	5181A
1N1805A	5181A
1N1805AR	5181AK
1N1805R	5181AK
1N1805RA	5181AK
1N1806	5182A
1N1806A	5182A
1N1806AR	5182AK
1N1806R	5182AK
1N1806RA	5182AK
1N1807	5183A
1N1807A	5183A
1N1807AR	5183AK
1N1807R	5183AK
1N1807RA	5183AK
1N1808	5185A
1N1808A	5185A
1N1808AR	5185AK
1N1808B	5185A
1N1808C	5185A
1N1808R	5185AK
1N1808RA	5185AK
1N1809	5222A
1N1809A	5222A
1N1809AR	5222AK
1N1809R	5222AK
1N1809RA	5222AK
1N1810	5223A
1N1810A	5223A
1N1810AR	5223AK
1N1810R	5223AK
1N1810RA	5223AK
1N1811	5224A
1N1811A	5224A
1N1811AR	5224AK
1N1811R	5224AK
1N1811RA	5224AK
1N1812	5226A
1N1812A	5226A
1N1812AR	5226AK
1N1812R	5226AK
1N1812RA	5226AK
1N1813	5227A
1N1813A	5227A
1N1813AR	5227AK
1N1813R	5227AK
1N1813RA	5227AK
1N1814	5230A
1N1814A	5230A
1N1814AR	5230AK
1N1814R	5230AK
1N1814RA	5230AK
1N1815	5232A
1N1815A	5232A
1N1815AR	5232AK
1N1815R	5232AK
1N1815RA	5232AK
1N1816	5189A
1N1816A	5189A
1N1816CA	5189A
1N1817	5191A
1N1817A	5191A
1N1818	5192A
1N1818A	5192A
1N1819	5194A
1N1819A	5194A
1N1820	5196A
1N1820A	5196A
1N1821	5197A
1N1821A	5197A
1N1822	5198A
1N1822A	5198A
1N1823	5200A
1N1823A	5200A
1N1824	5202A
1N1824A	5202A
1N1825	5203A
1N1825A	5203A
1N1826	5204A
1N1826A	5204A
1N1827	5205A
1N1828	5206A
1N1828A	5206A
1N1829	5208A
1N1829A	5208A
1N1830	5210A
1N1830A	5210A
1N1831	5212A
1N1831A	5212A
1N1832	5214A
1N1832A	5214A
1N1833	5215A
1N1833A	5215A
1N1834	5216A
1N1834A	5216A
1N1835	5217A
1N1835A	5217A
1N1836	5219A
1N1836A	5219A
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1N1840	177
1N1841	177
1N1842	178MP
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1N1845	177
1N1846	177
1N1847	177
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1N1878	145A
1N1878A	145A
1N1879	5077A
1N1879A	5077A
1N1880	5080A
1N1880A	5080A
1N1881	146A
1N1881A	146A
1N1882	147A
1N1882A	147A
1N1883	5086A
1N1883A	5086A
1N1884	5088A
1N1884A	5088A
1N1885	5090A
1N1885A	5090A
1N1886	5092A
1N1886A	5092A
1N1887	150A
1N1887A	150A
1N1888	5096A
1N1888A	5096A
1N1889	5223A
1N1889A	5223A
1N1890	5226A
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1N1891A	5183A
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1N1894	5191A
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1N1895A	5194A
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1N1897	5200A
1N1897A	5200A
1N1898	5203A
1N1898A	5203A
1N1899	5205A
1N1899A	5205A
1N1900	5208A
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1N1901	5212A
1N1901A	5212A
1N1902	5215A
1N1902A	5215A
1N1903	5217A
1N1903A	5217A
1N1904	5221A
1N1904A	5220A
1N1905	5223A
1N1906	5226A
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1N1908	125
1N1909	125
1N1910	116
1N1911	125
1N1912	125
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1N1927A	5007A
1N1928	5009A
1N1928A	5009A
1N1929	5011A
1N1929A	5011A
1N1929B	5011T1
1N1930	5014A
1N1930A	5014A
1N1931	5016A
1N1931A	5016A
1N1932	5019A
1N1932A	5019A
1N1932B	5019T1
1N1933	5021A
1N1933A	5021A
1N1933B	5021T1
1N1934	5024A
1N1934A	5024A
1N1935	5027A
1N1935A	5027A
1N1936	5030A
1N1936A	5030A
1N1937	5033A
1N1937A	5033A
1N1938	5036A
1N1938A	5036A
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1N1939A	5038A
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1N1940A	5040A
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1N1941A	5042A
1N1942	5045A
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1N1943	5047A
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1N1944	5050A
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1N1945	5052A
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1N1957A	5014A
1N1958	5016A
1N1958A	5016A
1N1959	5019A
1N1959A	5019A
1N1960	5021A
1N1960A	5021A
1N1960B	5021T1
1N1961	5023A
1N1961A	5023A
1N1962	5027A
1N1962A	5027A
1N1963	5030A
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1N1964	5033A
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1N1965	5036A
1N1965A	5036A
1N1966	5038A
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1N1968	5042A
1N1969	5045A
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1N1971	5050A
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1N1992A	5036A
1N1992B	147A
1N1993	5038A
1N1993A	5038A
1N1994	5040A
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1N1995	5042A
1N1995A	5042A
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1N1996A	5045A
1N1997	5047A
1N1997A	5047A
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1N2000	5055A
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1N2001	5058A
1N2001A	5058A
1N2008	5220A
1N2008A	5220A
1N2008R	5220AK
1N2008RA	5220AK
1N2009	5222A
1N2009A	5222A
1N2009R	5222AK
1N2009RA	5222AK
1N2010	5223A
1N2010A	5223A
1N2010R	5223AK
1N2010RA	5223AK
1N2011	5224A
1N2011A	5224A
1N2011R	5224AK
1N2011RA	5224AK
1N2012	5226A
1N2012A	5226A
1N2012R	5226AK
1N2012RA	5226AK
1N2013	5800
1N2014	5801
1N2015	5802
1N2016	5802
1N2017	5804
1N2018	5804
1N2019	5804
1N2020	5804
1N2021	5944
1N2022	5948
1N2023	5948
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1N2029	5838
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1N2030	5842
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1N2032A	5069A
1N2033	5070A
1N2033-2	5070A
1N2033A	5070A
1N2034	5071A
1N2034-2	5071A
1N2034-3	138A
1N2034A	5071A
1N2035	139A
1N2035-1	5073A
1N2035-2	139A
1N2035-3	140A
1N2035A	139A
1N2036	140A
1N2036-1	139A
1N2036-2	140A
1N2036-3	5074A
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1N2037	143A
1N2037-1	143A
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1N2037A	143A
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1N2038-2	5075A
1N2038-3	5076A
1N2038A	5075A
1N2039	5078A
1N2039-1	5077A
1N2039-2	5078A
1N2039-3	5079A
1N2039A	5078A
1N2040	5081A
1N2040-1	5080A
1N2040-2	5081A
1N2040-3	5082A
1N2040-4	5082A
1N2040A	5081A
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1N2043-2	5181AK
1N2043-3	5182AK
1N2043A	5181AK
1N2043B	5181AK
1N2043C	5182AK
1N2044	5184AK
1N2044-1	5183AK
1N2044-2	5184AK
1N2044-3	5185AK
1N2044A	5183AK
1N2044B	5184AK
1N2044C	5185AK
1N2045	5186AK
1N2045-1	5186AK
1N2045-2	5187AK
1N2045A	5186AK
1N2045B	5187AK
1N2045C	5187AK
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1N2046C	5190AK
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1N2047C	5193AK
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1N2048-3	5196AK
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1N2049-1	5197AK
1N2049-2	5198AK
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1N2049B	5198AK
1N2049C	5200AK
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1N2149A	5854
1N2150	5858
1N2150A	5858
1N2151	5862
1N2151A	5858
1N2152A	5862
1N2153	5862
1N2153A	5862
1N2154	5980
1N2154R	5981
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1N3000RB	5214AK
1N3001	5215A
1N3001A	5215A
1N3001AR	5215AK
1N3001B	5215A
1N3001BR	5215AK
1N3001R	5215AK
1N3001RA	5215AK
1N3001RB	5215AK
1N3002	5216A
1N3002A	5216A
1N3002AR	5216AK
1N3002B	5216A
1N3002BR	5216AK
1N3002R	5216AK
1N3002RA	5216AK
1N3002RB	5216AK
1N3003	5217A
1N3003A	5217A
1N3003AR	5217AK
1N3003B	5217A
1N3003BR	5217AK
1N3003R	5217AK
1N3003RA	5217AK
1N3003RB	5217AK
1N3004	5219A
1N3004A	5219A
1N3004AR	5219AK
1N3004B	5219A
1N3004BR	5219AK
1N3004R	5219AK
1N3004RA	5219AK
1N3004RB	5219AK
1N3005	5220A
1N3005A	5220A
1N3005AR	5220AK
1N3005B	5220A
1N3005BR	5220AK
1N3005R	5220AK
1N3005RA	5220AK
1N3005RB	5220AK
1N3006	5221A
1N3006A	5221A
1N3006AR	5221AK
1N3006B	5221A
1N3006BR	5221AK
1N3006R	5221AK
1N3006RA	5221AK
1N3006RB	5211AK
1N3007	5222A
1N3007A	5222A
1N3007AR	5222AK
1N3007B	5222A
1N3007BR	5222AK
1N3007R	5222AK
1N3007RA	5222AK
1N3007RB	5222AK
1N3008	5223A
1N3008A	5223A
1N3008AR	5223AK
1N3008B	5223A
1N3008BR	5223AK
1N3008R	5223AK
1N3008RA	5223AK
1N3008RB	5223AK
1N3009	5224A
1N3009A	5224A
1N3009AR	5224AK
1N3009B	5224A
1N3009BR	5224AK
1N3009R	5224AK
1N3009RA	5224AK
1N3009RB	5224AK
1N3010	5225A
1N3010A	5225A
1N3010AR	5225AK
1N3010B	5225A
1N3010BR	5225AK
1N3010R	5225AK
1N3010RA	5225AK
1N3010RB	5225AK
1N3011	5226A
1N3011A	5226A
1N3011AR	5226AK
1N3011B	5226A
1N3011BR	5226AK
1N3011R	5226AK
1N3011RA	5226AK
1N3011RB	5226AK
1N3012	5227A
1N3012A	5227A
1N3012AR	5227AK
1N3012B	5227A
1N3012BR	5227AK
1N3012R	5227AK
1N3012RA	5227AK
1N3012RB	5227AK
1N3013	5229A
1N3013A	5229A
1N3013AR	5228AK
1N3013B	5229A
1N3013BR	5228AK
1N3013R	5228AK
1N3013RA	5228AK
1N3013RB	5228AK
1N3014	5230A
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1N3014AR	5230AK
1N3014B	5230A
1N3014BR	5230AK
1N3014R	5230AK
1N3014RA	5230AK
1N3014RB	5230AK
1N3015	5232A
1N3015A	5232A
1N3015AR	5232AK
1N3015B	5232A
1N3015BR	5232AK
1N3015R	5232AK
1N3015RA	5232AK
1N3015RB	5232AK
1N3016	5071A
1N3016A	5071A
1N3016B	5071A
1N3017	138A
1N3017A	138A
1N3017B	138A
1N3018	5072A
1N3018A	5072A
1N3018B	5072A
1N3019	139A
1N3019A	139A
1N3019B	139A
1N3020	140A
1N3020A	140A
1N3020B	140A
1N3021	5074A
1N3021A	5074A
1N3021B	5074A
1N3022	142A
1N3022A	142A
1N3022B	142A
1N3023	143A
1N3023A	143A
1N3023B	143A
1N3024	145A
1N3024A	145A
1N3024B	145A
1N3025	5075A
1N3025A	5075A
1N3025B	5075A
1N3026	5077A
1N3026A	5077A
1N3026B	5077A
1N3027	5079A
1N3027A	5079A
1N3027B	5079A
1N3028	5080A
1N3028A	5080A
1N3028B	5080A
1N3029	5081A
1N3029A	5081A
1N3029B	5081A
1N3030	146A
1N3030A	146A
1N3030B	146A
1N3031	5084A
1N3031A	5084A
1N3031B	5084A
1N3032	147A
1N3032A	147A
1N3032B	147A
1N3033	5085A
1N3033A	5085A
1N3033B	5085A
1N3034	5086A
1N3034A	5086A
1N3034B	5086A
1N3035	5087A
1N3035A	5087A
1N3035B	5087A
1N3036	5088A
1N3036A	5088A
1N3036B	5088A
1N3037	5089A
1N3037A	5089A
1N3037B	5089A
1N3038	5090A
1N3038A	5090A
1N3038B	5090A
1N3039	149A
1N3039A	149A
1N3039B	149A
1N3040	5092A
1N3040A	5092A
1N3040B	5092A
1N3041	5093A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
1N3041A	5093A
1N3041B	5093A
1N3042	150A
1N3042A	150A
1N3042B	150A
1N3043	5095A
1N3043A	5095A
1N3043B	5095A
1N3044	5096A
1N3044A	5096A
1N3044B	5096A
1N3045	151A
1N3045A	151A
1N3045B	151A
1N3046	5097A
1N3046A	5097A
1N3046B	5097A
1N3047	5098A
1N3047A	5098A
1N3047B	5098A
1N3048	5100A
1N3048A	5100A
1N3048B	5100A
1N3049	5101A
1N3049A	5101A
1N3049B	5101A
1N3050	5103A
1N3050A	5103A
1N3050B	5103A
1N3051	5105A
1N3051A	5105A
1N3051B	5105A
1N3062	519
1N3063	177
1N3064	177
1N3065	177
1N3066	177
1N3067	177
1N3068	177
1N3069	177
1N3069M	177
1N3070	177
1N3071	177
1N3072	116
1N3073	116
1N3074	116
1N3075	116
1N3076	116
1N3077	116
1N3078	116
1N3079	116
1N3080	116
1N3081	116
1N3082	116
1N3083	116
1N3084	116
1N3094	116
1N3098	5097A
1N3098A	5097A
1N3099	5100A
1N3099A	5100A
1N3100	5103A
1N3100A	5103A
1N3102	5223A
1N3102A	5223A
1N3104	5230A
1N3106	506
1N3107	506
1N3110	110A
1N3112	128
1N3121	109
1N3122	110A
1N3123	177
1N3124	177
1N3125	110A
1N3126	110A
1N3139	6048♦
1N3140	6050♦
1N3142	5940♦
1N3146	109
1N3147	177
1N3160	116
1N3161	6354
1N3161A	6354
1N3161AR	6355
1N3161R	6355
1N3161RA	6355
1N3162	6354
1N3162A	6354
1N3162AR	6355
1N3162R	6355
1N3162RA	6355
1N3163	6354
1N3163A	6354
1N3163AR	6355
1N3163R	6355
1N3163RA	6355
1N3164	6354
1N3164A	6354
1N3164AR	6355
1N3164R	6355
1N3164RA	6355
1N3165	6354
1N3165A	6354
1N3165AR	6355
1N3165R	6355
1N3165RA	6355
1N3166	6354
1N3166A	6354
1N3166AR	6355
1N3166R	6355
1N3166RA	6355
1N3167	6354
1N3167A	6354
1N3167AR	6355
1N3167R	6355
1N3167RA	6355
1N3168	6354
1N3168A	6354
1N3168AR	6355
1N3168R	6355
1N3168RA	6355
1N3169	6356
1N3169A	6356
1N3169AR	6357
1N3169R	6357
1N3169RA	6357
1N3170	6356
1N3170A	6356
1N3170AR	6357
1N3170R	6357
1N3170RA	6357
1N3171	6358
1N3171A	6358
1N3171AR	6359
1N3171R	6359
1N3171RA	6359
1N3172	6358
1N3172A	6358
1N3172AR	6359
1N3172R	6359
1N3172RA	6359
1N3173	6358
1N3173A	6358
1N3173AR	6359
1N3173R	6359
1N3173RA	6359
1N3174	6358
1N3174A	6358
1N3174R	6359
1N3174RA	6359
1N3182	614
1N3189	116
1N3190	116
1N3191	116
1N3193	116
1N3194	116
1N3195	116
1N3196	125
1N3197	177
1N3203	116
1N3204	109
1N3206	177
1N3207	177
1N3208	5940
1N3208R	5944
1N3209	5944
1N3209R	5945
1N3210	5944
1N3210R	5945
1N3211	5948
1N3211R	5949
1N3212	5948
1N3212R	5949
1N3213	5924
1N3213R	5925
1N3214	5952
1N3214R	5925
1N3221	125
1N3223	177
1N3227	116
1N3228	116
1N3229	116
1N3230	116
1N3231	125
1N3232	125
1N3233	506
1N3237	116
1N3238	116
1N3239	116
1N3240	116
1N3241	116
1N3242	125
1N3243	125
1N3244	506
1N3246	116
1N3247	116
1N3248	116
1N3249	116
1N3250	116
1N3251	125
1N3252	125
1N3253	116
1N3254	116
1N3255	116
1N3256	125
1N3257	177
1N3258	177
1N3260	6354
1N3260R	6355
1N3261	6354
1N3261R	6355
1N3262	6354
1N3262R	6355
1N3263	6354
1N3263R	6355
1N3264	6354
1N3264R	6355
1N3265	6354
1N3265R	6355
1N3266	6354
1N3266R	6355
1N3267	6354
1N3267R	6355
1N3268	6356
1N3268R	6357
1N3269	6356
1N3269R	6357
1N3270	6358
1N3270R	6359
1N3271	6358
1N3271R	6359
1N3272	6358
1N3272R	6359
1N3273	6358
1N3273R	6359
1N3277	116
1N3278	116
1N3279	116
1N3280	125
1N3281	125
1N3282	125
1N3283	525
1N3287	110A
1N3287N	110A
1N3287W	110A
1N3288	6154
1N3288A	6154♦
1N3288AR	6155♦
1N3288R	6155
1N3289	6154
1N3289A	6154♦
1N3289AR	6155♦
1N3289R	6155
1N3290	6154
1N3290A	6154♦
1N3290AR	6155♦
1N3290R	6155
1N3291	6154
1N3291A	6154♦
1N3291AR	6155♦
1N3291R	6155
1N3292	6156
1N3292A	6156♦
1N3292AR	6157♦
1N3292B	6156
1N3292BR	6157
1N3292R	6157
1N3293	6156
1N3293A	6156♦
1N3293AR	6157♦
1N3293R	6157
1N3294	6158
1N3294A	6158♦
1N3294AR	6159♦
1N3294R	6159
1N3295	6158
1N3295A	6158♦
1N3295AR	6159♦
1N3295R	6159
1N3296	6162
1N3296A	6162
1N3296R	6163
1N3298	116
1N3300	6406§
1N3300A	6406§
1N3301	6407
1N3301A	6407
1N3302	6408
1N3302A	6408
1N3303A	6408
1N3305	5247A
1N3305A	5247A
1N3305B	5247A
1N3305R	5247AK
1N3305RA	5247AK
1N3305RB	5247AK
1N3306	5248A
1N3306A	5248A
1N3306B	5248A
1N3306R	5248AK
1N3306RA	5248AK
1N3306RB	5248AK
1N3307	5249A
1N3307A	5249A
1N3307B	5249A
1N3307R	5249A
1N3307RA	5249AK
1N3307RB	5249AK
1N3308	5251A
1N3308A	5251A
1N3308B	5251A
1N3308R	5251AK
1N3308RA	5251AK
1N3308RB	5251AK
1N3309	5252A
1N3309A	5252A
1N3309B	5252A
1N3309R	5252AK
1N3309RA	5252AK
1N3309RB	5252AK
1N3310	5253A
1N3310A	5253A
1N3310B	5253A
1N3310R	5253AK
1N3310RA	5253AK
1N3310RB	5253AK
1N3311	5254A
1N3311A	5254A
1N3311B	5254A
1N3311R	5254AK
1N3311RA	5254AK
1N3311RB	5254AK
1N3312	5255A
1N3312A	5255A
1N3312B	5255A
1N3312R	5255AK
1N3312RA	5255AK
1N3312RB	5255AK
1N3313	5256A
1N3313A	5256A
1N3313B	5256A
1N3313R	5256AK
1N3313RA	5256AK
1N3313RB	5256AK
1N3314	5257A
1N3314A	5257A
1N3314B	5257A
1N3314R	5257AK
1N3314RA	5257AK
1N3314RB	5257AK
1N3315	5258A
1N3315A	5258A
1N3315B	5258A
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1N3316B	5259A
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1N3317B	5260A
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1N3318	5261A
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1N3318B	5261A
1N3318R	5261AK
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1N3318RB	5216AK
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1N3319B	5262A
1N3319R	5262AK
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1N3320A	5263A
1N3320B	5263A
1N3320R	5263AK
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1N3321A	5264A
1N3321B	5264A
1N3321R	5264AK
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1N3322A	5265A
1N3322B	5265A
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1N3322RB	5265AK
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1N3323B	5266A
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1N3324A	5268A
1N3324B	5268A
1N3324R	5268AK
1N3324RA	5268AK
1N3324RB	5268AK
1N3325	5269A
1N3325A	5269A
1N3325B	5269A
1N3325R	5269AK
1N3325RA	5269AK
1N3325RB	5269AK
1N3326	5270A
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1N3326B	5270A
1N3326R	5270AK
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1N3326RB	5270AK
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1N3327B	5271A
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1N3328B	5272A
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1N3328RB	5272AK
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1N3329A	5273A
1N3329B	5272A
1N3329R	5273AK
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1N3330	5274A
1N3330A	5274A
1N3330B	5274A
1N3330R	5274AK
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1N3330RB	5274AK
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1N3331B	5275A
1N3331R	5275AK
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1N3331RB	5275AK
1N3332	5276A
1N3332A	5276A
1N3332B	5276A
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1N3333B	5276A
1N3333R	5277AK
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1N3334A	5278A
1N3334B	5278A
1N3334R	5278AK
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1N3334RB	5278AK
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1N3335A	5280A
1N3335B	5280A
1N3335R	5280AK
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1N3335RB	5280AK
1N3336	5281A
1N3336A	5281A
1N3336B	5281A
1N3336R	5281AK
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1N3337	5282A
1N3337A	5282A
1N3337B	5282A
1N3337R	5282AK
1N3337RA	5282AK
1N3337RB	5282AK
1N3338	5283A
1N3338A	5283A
1N3338B	5283A
1N3338R	5283AK
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1N3338RB	5283AK
1N3339	5284A
1N3339A	5284A
1N3339B	5284A
1N3339R	5284AK
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1N3339RB	5284AK
1N3340	5285A
1N3340A	5285A
1N3340B	5285A
1N3340R	5285AK
1N3340RA	5285AK
1N3340RB	5285AK
1N3341	5286A
1N3341A	5286A
1N3341B	5285A
1N3341R	5286AK
1N3341RA	5286AK
1N3341RB	5286AK
1N3342	5287A
1N3342A	5287A
1N3342B	5287A
1N3342R	5287AK
1N3342RA	5287AK
1N3342RB	5287AK
1N3343	5288A
1N3343A	5288A
1N3343B	5288A
1N3343R	5288AK
1N3343RA	5288AK
1N3343RB	5288AK
1N3344	5289A
1N3344A	5289A
1N3344B	5289A
1N3344R	5289AK
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1N3344RB	5289AK
1N3345	5290A
1N3345A	5290A
1N3345B	5290A
1N3345R	5290AK
1N3345RA	5290AK
1N3345RB	5290AK
1N3346	5291A
1N3346A	5291A
1N3346B	5291A
1N3346R	5291AK
1N3346RA	5291AK
1N3346RB	5291AK
1N3347	5292A
1N3347A	5292A
1N3347B	5292A
1N3347R	5292AK
1N3347RA	5292AK
1N3347RB	5292AK
1N3348	5293A
1N3348A	5293A
1N3348B	5293A
1N3348R	5293AK
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1N3348RB	5293AK
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1N3349A	5294A
1N3349B	5294A
1N3349R	5294AK
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1N3349RB	5249AK
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1N3350A	5296A
1N3350B	5296A
1N3350R	5296AK
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1N3350RB	5296AK
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1N3434	5125A
1N3435	5127A
1N3436	5130A
1N3437	5133A
1N3438	5136A
1N3439	5139A
1N3440	5142A
1N3441	5144A
1N3442	5146A
1N3443	5119A
1N3444	5120A
1N3445	5122A
1N3446	5125A
1N3447	5127A
1N3448	5130A
1N3449	5133A
1N3450	5136A
1N3451	5139A
1N3452	5141A
1N3453	5142A
1N3454	5144A
1N3455	5146A
1N3456	5148A
1N3457	5151A
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1N4158B	5071A
1N4159	138A
1N4159A	138A
1N4159B	138A
1N4160	5072A
1N4160A	5072A
1N4160B	5072A
1N4161	139A
1N4161A	139A
1N4161B	139A
1N4162	140A
1N4162A	140A
1N4162B	140A
1N4163	5074A
1N4163A	5074A
1N4163B	5074A
1N4164	142A
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1N4164B	142A
1N4165	143A
1N4165A	143A
1N4165B	143A
1N4166	145A
1N4166A	145A
1N4166B	145A
1N4167	5075A
1N4167A	5075A
1N4167B	5075A
1N4168	5077A
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1N4168B	5077A
1N4169	5079A
1N4169A	5079A
1N4169B	5079A
1N4170	5080A
1N4170A	5080A
1N4170B	5080A
1N4171	5081A
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1N4171B	5081A
1N4172	146A
1N4172A	146A
1N4172B	146A
1N4173	5084A
1N4173A	5084A
1N4173B	5084A
1N4174	147A
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1N4174B	147A
1N4175	5085A
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1N4175B	5085A
1N4176	5086A
1N4176A	5086A
1N4176B	5086A
1N4177	5087A
1N4177A	5087A
1N4177B	5087A
1N4178	5088A
1N4178A	5088A
1N4178B	5088A
1N4179	5089A
1N4179A	5089A
1N4179B	5089A
1N4180	5090A
1N4180A	5090A
1N4180B	5090A
1N4181	149A
1N4181A	149A
1N4181B	149A
1N4182	5092A
1N4182A	5092A
1N4182B	5092A
1N4183	5093A
1N4183A	5093A
1N4183B	5093A
1N4184	150A
1N4184A	150A
1N4184B	150A
1N4185	5095A
1N4185A	5095A
1N4185B	5095A
1N4186	5096A
1N4186A	5096A
1N4186B	5096A
1N4187	151A
1N4187A	151A
1N4187B	151A
1N4188	5097A
1N4188A	5097A
1N4188B	5097A
1N4189	5098A
1N4189A	5098A
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1N4190B	5100A
1N4191	5101A
1N4191A	5101A
1N4191B	5101A
1N4192	5103A
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1N4192B	5103A
1N4193	5105A
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1N4193B	5105A
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1N4199	5187A
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1N4203	5191A
1N4203A	5191A
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1N4206	5194A
1N4206A	5194A
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1N4207A	5195A
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1N4208A	5196A
1N4209	5197A
1N4209A	5197A
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1N4210A	5198A
1N4211	5199A
1N4211A	5199A
1N4212	5200A
1N4212A	5200A
1N4213	5202A
1N4213A	5202A
1N4214	5203A
1N4214A	5203A
1N4215	5204A
1N4215A	5204A
1N4216	5205A
1N4216A	5205A
1N4217	5206A
1N4217A	5206A
1N4218	5207A
1N4218A	5207A
1N4219	5208A
1N4219A	5208A
1N4220	5209A
1N4220A	5209A
1N4221	5210A
1N4221A	5210A
1N4222	5211A
1N4222A	5211A
1N4223	5212A
1N4223A	5212A
1N4224	5214A
1N4224A	5214A
1N4225	5215A
1N4225A	5215A
1N4226	5216A
1N4226A	5216A
1N4227	5217A
1N4227A	5217A
1N4228	5219A
1N4228A	5219A
1N4229	5220A
1N4229A	5220A
1N4230	5221A
1N4230A	5221A
1N4231	5222A
1N4231A	5222A
1N4232	5223A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
1N4232A	5223A
1N4233	5224A
1N4233A	5224A
1N4234	5225A
1N4234A	5225A
1N4235	5226A
1N4235A	5226A
1N4236	5227A
1N4236A	5227A
1N4237	5229A
1N4237A	5229A
1N4238	5230A
1N4238A	5230A
1N4239	5232A
1N4239A	5232A
1N4240	5177A
1N4241	5179A
1N4242	177
1N4243	177
1N4245	116
1N4246	116
1N4247	116
1N4248	125
1N4249	125
1N4250	125
1N4251	125
1N4252	506
1N4258	5181A
1N4258A	5181A
1N4259	5182A
1N4259A	5182A
1N4260	5183A
1N4260A	5183A
1N4261	5185A
1N4261A	5185A
1N4262	5186A
1N4262A	5186A
1N4263	5187A
1N4263A	5187A
1N4263B	5187A
1N4264	5188A
1N4264A	5188A
1N4265	5189A
1N4265A	5189A
1N4266	5191A
1N4266A	5191A
1N4267	5192A
1N4267A	5192A
1N4268	5194A
1N4268A	5194A
1N4269	5196A
1N4269A	5196A
1N4270	5197A
1N4270A	5197A
1N4271	5198A
1N4271A	5198A
1N4272	5200A
1N4272A	5200A
1N4273	5202A
1N4273A	5202A
1N4274	5203A
1N4274A	5203A
1N4275	5204A
1N4275A	5204A
1N4276	5205A
1N4276A	5205A
1N4277	5206A
1N4277A	5206A
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1N4279A	5210A
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1N4280A	5212A
1N4281	5214A
1N4281A	5214A
1N4282	5215A
1N4282A	5215A
1N4283	5216A
1N4283A	5216A
1N4284	5217A
1N4284A	5217A
1N4285	5219A
1N4285A	5219A
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1N4286A	5220A
1N4287	5222A
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1N4288	5223A
1N4288A	5223A
1N4289	5224A
1N4289A	5224A
1N4290	5226A
1N4290A	5226A
1N4291	5227A
1N4291A	5227A
1N4292	5230A
1N4292A	5230A
1N4293	5232A
1N4293B	5232A
1N4298	5184A
1N4298A	5184A
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1N4323	5071A
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1N4324B	138A
1N4325	5072A
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1N4325B	5072A
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1N4326B	139A
1N4327	140A
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1N4327B	140A
1N4328	5074A
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1N4328B	5074A
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1N4329B	142A
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1N4330B	143A
1N4331	145A
1N4331A	145A
1N4331B	145A
1N4332	5075A
1N4332A	5075A
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1N4336B	5081A
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1N4337A	146A
1N4337B	146A
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1N4338B	5084A
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1N4339B	147A
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1N4343B	5088A
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1N4344B	5089A
1N4345	5090A
1N4345A	5090A
1N4345B	5090A
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1N4346B	149A
1N4347	5092A
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1N4347B	5092A
1N4348	5093A
1N4348A	5093A
1N4348B	5093A
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1N4351B	5096A
1N4352	151A
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1N4352B	151A
1N4353	5097A
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1N4353B	5097A
1N4354	5098A
1N4354A	5098A
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1N4355B	5100A
1N4356	5101A
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1N4403B	139A
1N4404	140A
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1N4404B	140A
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1N4407B	143A
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1N4428B	5096A
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1N4429B	151A
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1N4593	6158
1N4593R	6159
1N4594	6158
1N4594R	6159
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1N4630	5072A
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1N4723	5806
1N4724	5808
1N4725	5809
1N4726	177
1N4727	177
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1N4762	150A
1N4762A	150A
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1N4764	5096A
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1N4786	610
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1N4801	610
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1N4816	5800
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1N4818	5802
1N4819	5804
1N4820	5804
1N4821	5806
1N4822	5806
1N4823	552
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1N4832	5125A
1N4832A	5125A
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1N4833A	5126A
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1N4834B	5127A
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1N4835A	5128A
1N4835B	5128A
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1N4837B	5131A
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1N4838B	5133A
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1N4839B	5135A
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1N4840B	5136A
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1N4843B	5141A
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1N4845B	5143A
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1N4859B	5159A
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1N4860B	5161A
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1N4862	177
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1N4879	6354
1N4879R	6355
1N4880	6354
1N4880R	6355
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1N4884	5135A
1N4889	5150A
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1N4960D	5127A
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1N4968	5139A
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1N4972	5144A
1N4973	5145A
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1N4980	5153A
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1N4982	5156A
1N4983	5157A
1N4984	5158A
1N4985	5159A
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1N4989	5166A
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1N5006	116
1N5007	116
1N5008	5111A
1N5008A	5111A
1N5009	5112A
1N5009A	5112A
1N5010	5113A
1N5010A	5113A
1N5011	5114A
1N5011A	5114A
1N5012	5115A
1N5012A	5115A
1N5013	5116A
1N5013A	5116A
1N5014	5117A

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To Be Replaced	ECG Replacement
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1N5015A	5119A
1N5016	5120A
1N5016A	5120A
1N5017	5121A
1N5017A	5121A
1N5018	5122A
1N5018A	5122A
1N5019	5124A
1N5019A	5124A
1N5020	5125A
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1N5021A	5126A
1N5022	5127A
1N5022A	5127A
1N5023	5128A
1N5023A	5128A
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1N5024A	5129A
1N5025	5130A
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1N5026	5131A
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1N5032A	5137A
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1N5033A	5138A
1N5034	5139A
1N5034A	5139A
1N5035	5141A
1N5035A	5141A
1N5036	5142A
1N5036A	5142A
1N5037	5143A
1N5037A	5143A
1N5038	5144A
1N5038A	5144A
1N5039	5145A
1N5039A	5145A
1N5040	5146A
1N5040A	5146A
1N5041	5146A
1N5041A	5146A
1N5042	5147A
1N5042A	5147A
1N5043	5147A
1N5043A	5147A
1N5044	5147A
1N5044A	5147A
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1N5046	5150A
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1N5047A	5151A
1N5048	5152A
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1N5051A	5156A
1N5052	125
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1N5054	125
1N5054A	125
1N5055	116
1N5056	116
1N5057	116
1N5058	116
1N5059	125
1N5060	125
1N5061	125
1N5062	125
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1N5064	5121A
1N5065	5122A
1N5066	5124A
1N5067	5125A
1N5068	5126A
1N5069	5128A
1N5070	5129A
1N5071	5130A
1N5072	5131A
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1N5084	5146A
1N5085	5147A
1N5086	5147A
1N5087	5148A
1N5088	5149A
1N5089	5150A
1N5090	5151A

To Be Replaced	ECG Replacement
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1N5094	5153A
1N5095	5155A
1N5096	5157A
1N5097	5158A
1N5098	5159A
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1N5101	5163A
1N5102	5164A
1N5103	5165A
1N5104	5166A
1N5118	5129A
1N5119	5144A
1N5120	5146A
1N5121	5147A
1N5122	5149A
1N5123	5151A
1N5124	5153A
1N5125	5155A
1N5126	5160A
1N5127	5163A
1N5128	5165A
1N5139	610
1N5139A	610
1N5140	611
1N5140A	611
1N5141	612
1N5141A	612
1N5144	613
1N5144A	613
1N5170	5800
1N5171	5800
1N5172	5801
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1N5177	5808
1N5178	5809
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1N5187	580
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1N5195	177
1N5196	177
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1N5200	5804
1N5201	5806
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1N5208	177
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1N5210	177
1N5211	116
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1N5214	125
1N5215	116
1N5216	116
1N5217	116
1N5218	125
1N5219	177
1N5220	177
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1N5222B	5001A
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1N5223A	5002A
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1N5224B	5003A
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1N5226B	5005A
1N5227	5006A
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1N5228	5007A
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1N5228B	5007A
1N5229	5008A
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1N5230B	5009A
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1N5232A	5011A
1N5232B	5011A
1N5233	5012A
1N5233A	5012A
1N5233B	5012A
1N5234	5013A
1N5234A	5013A
1N5234B	5013A
1N5235	5014A
1N5235A	5014A
1N5235B	5014A

To Be Replaced	ECG Replacement
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1N5236B	5015A
1N5237	5016A
1N5237A	5016A
1N5237B	5016A
1N5238	5017A
1N5238A	5017A
1N5238B	5017A
1N5239	5018A
1N5239A	5018A
1N5239B	5018A
1N5240	5019A
1N5240A	5019A
1N5240B	5019A
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1N5241B	5020A
1N5242	5021A
1N5242A	5021A
1N5242B	5021A
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1N5243A	5022A
1N5243B	5022A
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1N5244B	5023A
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1N5247B	5026A
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1N5249B	5028A
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1N5250B	5029A
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1N5251B	5030A
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1N5252B	5031A
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1N5254B	5033A
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1N5261B	5040A
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1N5262B	5041A
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1N5266B	5045A
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1N5269A	5048A
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1N5270B	5049A
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1N5271B	5050A
1N5272	5051A
1N5272A	5051A
1N5272B	5051A
1N5273	5052A
1N5273A	5052A
1N5273B	5052A
1N5274	5053A

To Be Replaced	ECG Replacement
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1N5274B	5053A
1N5275	5054A
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1N5275B	5054A
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1N5319	177
1N5320	177
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1N5335B	5113A
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1N5336B	5114A
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1N5338B	5116A
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1N5339B	5117A
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1N5355B	5133A
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1N5357B	5135A
1N5358	5136A
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1N5358B	5136A
1N5359	5137A
1N5359A	5137A
1N5359B	5137A
1N5360	5138A
1N5360A	5138A
1N5360B	5138A

To Be Replaced	ECG Replacement
1N5361	5139A
1N5361A	5139A
1N5361B	5139A
1N5362	5140A
1N5362A	5140A
1N5362B	5140A
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1N5363B	5141A
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1N5364B	5142A
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1N5365B	5143A
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1N5366A	5144A
1N5366B	5144A
1N5367	5145A
1N5367A	5145A
1N5367B	5145A
1N5368	5146A
1N5368A	5146A
1N5368B	5146A
1N5369	5147A
1N5369A	5147A
1N5369B	5147A
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1N5370B	5148A
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1N5373B	5151A
1N5374	5152A
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1N5377B	5155A
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1N5383A	5161A
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1N5384B	5162A
1N5385	5163A
1N5385A	5163A
1N5385B	5163A
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1N5387B	5165A
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1N5391	5800
1N5391GP	5800
1N5392	5801
1N5392G2	5801
1N5392GP	5801
1N5393	125
1N5393GP	5802
1N5394	5804
1N5394GP	5804
1N5395	5804
1N5395GP	5804
1N5396	5806
1N5396GP	5806
1N5397	5806
1N5397GP	5806
1N5398	5808
1N5398GP	5808
1N5399	5809
1N5399GP	5809
1N5400	5800
1N5401	5801
1N5402	5802
1N5403	5804
1N5404	5804
1N5405	5806
1N5406	5806
1N5407	5808
1N5408	5809
1N5409	5988
1N5409R	5989
1N5410	5878
1N5410R	5879

To Be Replaced	ECG Replacement
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1N5412	117A
1N5413	177
1N5414	177
1N5415	580
1N5416	580
1N5417	580
1N5418	580
1N5419	580
1N5420	580
1N5426	177
1N5433	506
1N5434	506
1N5441	610
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1N5444A	612
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1N5463	611
1N5463A	611
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1N5468	613
1N5468A	613
1N5470	614
1N5470A	614
1N5518	5005A
1N5518A	5005A
1N5518B	5005A
1N5519	5006A
1N5519A	5006A
1N5519B	5006A
1N5520	5007A
1N5520A	5007A
1N5520B	5007A
1N5521	5008A
1N5521A	5008A
1N5521B	5008A
1N5522	5009A
1N5522A	5009A
1N5522B	5009A
1N5523	5010A
1N5523A	5010A
1N5523B	5010A
1N5524	5011A
1N5524A	5011A
1N5524B	5011A
1N5525	5013A
1N5525A	5013A
1N5525B	5013A
1N5526	5014A
1N5526A	5014A
1N5526B	5014A
1N5527	5015A
1N5527A	5015A
1N5527B	5015A
1N5528	5016A
1N5528A	5016A
1N5528B	5016A
1N5529	5018A
1N5529A	5018A
1N5529B	5018A
1N5530	5019A
1N5530A	5019A
1N5530B	5019A
1N5531	5020A
1N5531A	5020A
1N5531B	5020A
1N5532	5021A
1N5532A	5021A
1N5532B	5021A
1N5533	5022A
1N5533A	5022A
1N5533B	5022A
1N5534	5023A
1N5534A	5023A
1N5534B	5023A
1N5535	5024A
1N5535A	5024A
1N5535B	5024A
1N5536	5025A
1N5536A	5025A
1N5536B	5025A
1N5537	5026A
1N5537A	5026A
1N5537B	5026A
1N5538	5027A
1N5538A	5027A
1N5538B	5027A
1N5539	5028A
1N5539A	5028A
1N5539B	5028A
1N5540	5029A
1N5540A	5029A
1N5540B	5029A
1N5541	5030A
1N5541A	5030A
1N5541B	5030A
1N5542	5031A
1N5542A	5031A
1N5542B	5031A
1N5543	5032A
1N5543A	5032A
1N5543B	5032A
1N5544	5034A
1N5544A	5034A
1N5544B	5034A

To Be Replaced	ECG Replacement
1N5545	5035A
1N5545A	5035A
1N5545B	5035A
1N5546	5036A
1N5546A	5036A
1N5546B	5036A
1N5550	580
1N5551	580
1N5552	580
1N5553	580
1N5559	5071A
1N5559A	5071A
1N5559B	5071A
1N5560	138A
1N5560A	138A
1N5560B	138A
1N5561	5072A
1N5561A	5072A
1N5561B	5072A
1N5562	139A
1N5562A	139A
1N5562B	139A
1N5563	140A
1N5563A	140A
1N5563B	140A
1N5564	5074A
1N5564A	5074A
1N5564B	5074A
1N5565	142A
1N5565A	142A
1N5565B	142A
1N5566	143A
1N5566A	143A
1N5566B	143A
1N5567	145A
1N5567A	145A
1N5567B	145A
1N5568	5075A
1N5568A	5075A
1N5568B	5075A
1N5569	5077A
1N5569A	5077A
1N5569B	5077A
1N5570	5079A
1N5570A	5079A
1N5570B	5079A
1N5571	5080A
1N5571A	5080A
1N5571B	5080A
1N5572	5081A
1N5572A	5081A
1N5572B	5081A
1N5573	146A
1N5573A	146A
1N5573B	146A
1N5574	5084A
1N5574A	5084A
1N5574B	5084A
1N5575	147A
1N5575A	147A
1N5575B	147A
1N5576	5085A
1N5576A	5085A
1N5576B	5085A
1N5577	5086A
1N5577A	5086A
1N5577B	5086A
1N5578	5087A
1N5578A	5087A
1N5578B	5087A
1N5579	5088A
1N5579A	5088A
1N5579B	5088A
1N5580	5089A
1N5580A	5089A
1N5580B	5089A
1N5581	5090A
1N5581A	5090A
1N5581B	5090A
1N5582	149A
1N5582A	149A
1N5582B	149A
1N5583	5092A
1N5583A	5092A
1N5583B	5092A
1N5584	5093A
1N5584A	5093A
1N5584B	5093A
1N5585	150A
1N5585A	150A
1N5585B	150A
1N5586	5095A
1N5586A	5095A
1N5586B	5095A
1N5587	5096A
1N5587A	5096A
1N5587B	5096A
1N5588	151A
1N5588A	151A
1N5588B	151A
1N5589	5097A
1N5589A	5097A
1N5589B	5097A
1N5590	5098A
1N5590A	5098A
1N5590B	5098A
1N5591	5100A
1N5591A	5100A
1N5591B	5100A
1N5592	5101A
1N5592A	5101A
1N5592B	5101A
1N5593	5103A
1N5593A	5103A
1N5593B	5103A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
1N5594	5105A
1N5594A	5105A
1N5594B	5105A
1N5605	177
1N5606	177
1N5607	177
1N5610	177
1N5614	552
1N5615	552
1N5616	506
1N5617	552
1N5618	506
1N5619	552
1N5620	506
1N5621	558
1N5623	558
1N5623R	558
1N5624	5802
1N5625	5804
1N5626	5806
1N5627	5808
1N5629	4902
1N5629A	4902
1N5636	4918
1N5636A	4918
1N5639	4926
1N5639A	4926
1N5640	4928
1N5640A	4928
1N5643	4934
1N5643A	4934
1N5650	4950
1N5650A	4950
1N5653	4958
1N5653A	4958
1N5665	4988
1N5665A	4988
1N5681	610
1N5681A	610
1N5683	611
1N5683A	611
1N5684	612
1N5684A	612
1N5687	613
1N5687A	613
1N5689	614
1N5689A	614
1N5696	610
1N5696A	610
1N5699	612
1N5699A	612
1N5702	613
1N5702A	613
1N5711	583
1N5712	584
1N5713	584
1N5719	177
1N5728	5009A
1N5728B	5009A
1N5729	5010A
1N5729B	5010A
1N5729C	5010T1
1N5729D	5010T1
1N5730	5011A
1N5730B	5011A
1N5731	5013A
1N5731B	5013A
1N5732	5014A
1N5732B	5014A
1N5733	5015A
1N5733B	5015A
1N5734	5016A
1N5734B	5016A
1N5735	5018A
1N5735B	5018A
1N5736	5019A
1N5736B	5019A
1N5737	5020A
1N5737B	5020A
1N5738	5021A
1N5738B	5021A
1N5739	5022A
1N5739B	5022A
1N5740	5024A
1N5740B	145A
1N5741	5025A
1N5741B	5025A
1N5742	5027A
1N5742B	5027A
1N5743	5029A
1N5743B	5029A
1N5744	5030A
1N5744B	5030A
1N5745	5031A
1N5745B	5031A
1N5746	5033A
1N5746B	5033A
1N5747	5035A
1N5747B	5035A
1N5748	5036A
1N5748B	5036A
1N5749	5037A
1N5749B	5037A
1N5750	5038A
1N5750B	5038A
1N5751	5039A
1N5751B	5039A
1N5752	5040A
1N5752B	5040A
1N5753	5041A
1N5753B	5041A
1N5754	5042A
1N5754B	5042A
1N5755	5044A
1N5755B	5044A
1N5756	5045A
1N5756B	5045A
1N5757B	5046A
1N5758	6406§
1N5758A	6406§
1N5759	6407
1N5759A	6407
1N5760	6407
1N5760A	6408
1N5761	6408
1N5761A	6407
1N5767	177
1N5817	585
1N5818	585
1N5819	585
1N5820	586
1N5821	586
1N5822	586
1N5822B	586
1N5826	6084
1N5827	6084
1N5828	6084
1N5829	6084
1N5832	6094
1N5833	6094
1N5834	6094
1N5839A	5002A
1N5839B	5002A
1N5841A	5004A
1N5841B	5004A
1N5842A	5005A
1N5842B	5005A
1N5843A	5006A
1N5843B	5006A
1N5844A	5007A
1N5844B	5007A
1N5845A	5008A
1N5845B	5008A
1N5846A	5009A
1N5846B	5009A
1N5847A	5010A
1N5847B	5010A
1N5848A	5011A
1N5848B	5011A
1N5849A	5012A
1N5849B	5012A
1N5850A	5013A
1N5850B	5013A
1N5851A	5014A
1N5851B	5014A
1N5852A	5015A
1N5852B	5015A
1N5853A	5015A
1N5853B	5016A
1N5854A	5017A
1N5854B	5017A
1N5855A	5018A
1N5855B	5018A
1N5856A	5019A
1N5856B	5019A
1N5857A	5020A
1N5857B	5020A
1N5858A	5021A
1N5858B	5021A
1N5859A	5022A
1N5859B	5022A
1N5860A	5023A
1N5860B	5023A
1N5861A	5024A
1N5861B	5024A
1N5862A	5025A
1N5862B	5025A
1N5863A	5026A
1N5863B	5026A
1N5864A	5027A
1N5864B	5027A
1N5865A	5028A
1N5865B	5028A
1N5866A	5029A
1N5866B	5029A
1N5867A	5030A
1N5867B	5030A
1N5868A	5031A
1N5868B	5031A
1N5869A	5032A
1N5869B	5032A
1N5870A	5033A
1N5870B	5033A
1N5871A	5034A
1N5871B	5034A
1N5872A	5035A
1N5872B	5035A
1N5873A	5036A
1N5873B	5036A
1N5874A	5037A
1N5874B	5037A
1N5875A	5038A
1N5875B	5038A
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1N5876B	5039A
1N5877A	5040A
1N5877B	5040A
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1N5878B	5041A
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1N5879B	5042A
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1N5880B	5043A
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1N5881B	5044A
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1N5882B	5045A
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1N5883B	5046A
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1N5884B	5047A
1N5885A	5048A
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1N5890B	5053A
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1N5891B	5054A
1N5892A	5055A
1N5892B	5055A
1N5893A	5056A
1N5893B	5056A
1N5894A	5057A
1N5894B	5057A
1N5895A	5058A
1N5895B	5058A
1N5896A	5059A
1N5896B	5059A
1N5897A	5060A
1N5897B	5060A
1N5907	4900
1N5908	4900
1N5908P5	4900
1N5913	5111A
1N5913A	5111A
1N5913B	5111A
1N5914	5112A
1N5914A	5112A
1N5914B	5112A
1N5915	5113A
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1N5916	5114A
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1N5917B	5115A
1N5918	5116A
1N5918A	5116A
1N5918B	5116A
1N5919	5117A
1N5919A	5117A
1N5919B	5117A
1N5920	5119A
1N5920A	5119A
1N5920B	5119A
1N5921	5120A
1N5921A	5120A
1N5921B	5120A
1N5922	5121A
1N5922A	5121A
1N5922B	5121A
1N5923	5122A
1N5923A	5122A
1N5923B	5122A
1N5924	5124A
1N5924A	5124A
1N5924B	5124A
1N5925	5125A
1N5925A	5125A
1N5925B	5125A
1N5926	5126A
1N5926A	5126A
1N5926B	5126A
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1N5927B	5127A
1N5928	5128A
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1N5928B	5128A
1N5929	5130A
1N5929A	5130A
1N5929B	5130A
1N5930	5131A
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1N5930B	5131A
1N5931	5133A
1N5931A	5133A
1N5931B	5133A
1N5932	5135A
1N5932A	5135A
1N5932B	5135A
1N5933	5136A
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1N5936B	5141A
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1N5937B	5142A
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1N5938B	5143A
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1N5941B	5146A
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1N5942B	5147A
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1N5945B	5151A
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1N5946B	5152A
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1N5947B	5153A
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1N5950B	5157A
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1N5951B	5158A
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1N5952B	5159A
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1N5953B	5161A
1N5954	5162A
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1N5954B	5162A
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1N5986B	5002A
1N5987A	5004A
1N5987B	5004A
1N5988A	5005A
1N5988B	5005A
1N5989A	5006A
1N5989B	5006A
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1N5990B	5007A
1N5991A	5008A
1N5991B	5008A
1N5992A	5009A
1N5992B	5009A
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1N5993B	5010A
1N5993C	5010T1
1N5993D	5010T1
1N5994A	5011A
1N5994B	5011A
1N5994C	5011T1
1N5994D	5011T1
1N5995A	5013A
1N5995B	5013A
1N5995C	5013T1
1N5995D	5013T1
1N5996A	5014A
1N5996B	5014A
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1N5997B	5015A
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1N5998B	5016A
1N5999A	5018A
1N5999B	5018A
1N6000A	5019A
1N6000B	5019A
1N6000C	5019T1
1N6000D	5019T1
1N6001A	5020A
1N6001B	5020A
1N6002A	5021A
1N6002B	5021A
1N6002C	5021T1
1N6002D	5021T1
1N6003A	5022A
1N6003B	5022A
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1N6004B	5024A
1N6005A	5025A
1N6005B	5025A
1N6006A	5027A
1N6006B	5027A
1N6007A	5029A
1N6007B	5029A
1N6008A	5030A
1N6008B	5030A
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1N6009B	5031A
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1N6010B	5033A
1N6011A	5035A
1N6011B	5035A
1N6012A	5036A
1N6012B	5036A
1N6013A	5037A
1N6013B	5037A
1N6014A	5038A
1N6014B	5038A
1N6015A	5039A
1N6015B	5039A
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1N6016B	5040A
1N6017A	5041A
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1N6018B	5042A
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1N6026B	5052A
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1N6028B	5055A
1N6029A	5056A
1N6029B	5056A
1N6030A	5058A
1N6030B	5058A
1N6031A	5059A
1N6031B	5060A
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1N6075	588
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1N6082B	5008A
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1N6083B	5009A
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1N6084B	5010A
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1N6085A	5011A
1N6085B	5011A
1N6086	5013A
1N6086A	5013A
1N6086B	5013A
1N6087	5014A
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1N6087B	5014A
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1N6088B	5015A
1N6089	5016A
1N6089A	5016A
1N6089B	5016A
1N6090	5018A
1N6090A	5018A
1N6090B	5018A
1N6091	5019A
1N6091A	5019A
1N6091B	5019A
1N6095	6084
1N6096	6084
1N6097	6094
1N6098	6094
1N6263	583
1N6267	4902
1N6267A	4902
1N6274	4918
1N6274A	4918
1N6277	4926
1N6277A	4926
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1N6303	4988
1N6303A	4988
1N7001	116
1N7001P1	116
1N7001P2	116
1N7001P3	116
1N7002	116
1N7002P1	116
1N7002P2	116
1N7002P3	116
1N7003	116
1N7003P1	116
1N7003P2	116
1N7003P3	116
1N7004	116
1N7004P1	116
1N7004P2	116
1N7004P3	116
1N7005	116
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1N7005P2	116
1N7005P3	116
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1N7006P3	125
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1N7007P1	125
1N7007P2	125
1N7007P3	125
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1N8001P1	116
1N8001P2	116
1N8001P3	116
1N8002	116
1N8002P1	116
1N8002P2	116
1N8002P3	116
1N8003	116
1N8003P1	116
1N8003P2	116
1N8003P3	116
1N8004	116
1N8004P1	116
1N8004P2	116
1N8004P3	116
1N8005	116
1N8005P2	116
1N8005P3	116
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1N8006P2	125
1N8006P3	125
1N8007	125
1N8007P1	125
1N8007P2	125
1N8007P3	125
1N9001	116
1N9001P1	116
1N9001P2	116
1N9001P3	116
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1N9002P1	116
1N9002P2	116
1N9002P3	116
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1N9003P1	116
1N9003P2	116
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1N9004P1	116
1N9004P2	116
1N9004P3	116
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1N9006P3	125
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1N9007P2	125
1N9007P3	125
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1NA4G	109
1NC61684	116
1NE11	156
1NH62	558
1NJ27	125
1NJ33233	109
1NJ60284	109
1NJ61224	109
1NJ61225	136A
1NJ61433	177
1NJ61675	109
1NJ61676	116
1NJ61677	177
1NJ61725	177
1NJ61726	116
1NJ70972	113A
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1NJ70980	177
1NJ71126	507
1NJ71185	109
1NJ71186	507
1NJ71224	177
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1P102	5402
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1P542	109
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1P644	5801
1P645	5804
1P646	5804
1P647	5804
1P649	5806
1P720	5897
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1R01	116
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1R1K	116
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1R2A	116
1R2D	116
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1R3A	177
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1R3P04	1671
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1R5DZ61	125
1R5G	116
1R5GZ61	125
1R5GZ61-FA1	125
1R5GZ61FA-1	125
1R5H	116
1R5JZ61	125
1R5TH61	558
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1R9	116
1R9H	116
1R9I	116
1R9J	116
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1R9.1A	139A
1R9.1B	139A
1R10	140A
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1R10B	140A
1R10D3K	177
1R10D3L	506
1R10E	116
1R11	5074A
1R11A	5074A
1R11B	5074A
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1R12A	142A
1R12B	142A
1R13	143A
1R13A	143A
1R13B	143A
1R13OB	5098A
1R14OB	5099A
1R15	145A
1R15A	145A
1R15B	145A
1R15OB	5100A
1R16	5075A
1R16A	5075A
1R16B	5075A
1R18	5077A
1R18A	5077A
1R18B	5077A
1R20	5079A
1R20(SCR)	5455
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1R20B	5079A
1R22	5080A
1R22A	5080A
1R22B	5080A
1R24	5081A
1R24A	5081A
1R24B	5081A
1R27	146A
1R27A	146A
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1R30	5084A
1R30(SCR)	5457
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1R30B	5084A
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1R33	147A
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1R33B	147A
1R36	5085A
1R36A	5085A
1R36B	5085A
1R39	5085A
1R39A	5086A
1R39B	5086A
1R43	5087A
1R43A	5087A
1R43B	5087A
1R47	5088A
1R47A	5088A
1R47B	5088A
1R51	5089A
1R51A	5089A
1R51B	5089A
1R56	5090A
1R56A	5090A
1R56B	5090A
1R62	149A
1R62A	149A
1R62B	149A
1R68	5092A
1R68A	5092A
1R68B	5092A
1R75	5093A
1R75A	5093A
1R75B	5093A

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1R82	150A
1R82A	150A
1R82B	150A
1R90	116
1R91	5095A
1R91A	5095A
1R91B	5095A
1R96	125
1R100	5096A
1R100A	5096A
1R100B	5096A
1R110	151A
1R110A	151A
1R110B	151A
1R120	5097A
1R120A	5097A
1R120B	5097A
1R122A1	5462
1R122B1	5463
1R122C1	5465
1R122D1	5465
1R122E1	5466
1R122F1	5461
1R122M1	5466
1R130	5098A
1R130A	5098A
1R130B	5098A
1R140	5099A
1R140A	5099A
1R140B	5099A
1R150	5100A
1R150A	5100A
1R150B	5100A
1R160	5101A
1R160A	5101A
1R160B	5101A
1r161R16B	5075A
1R180	5103A
1R180A	5103A
1R180B	5103A
1R200	5105A
1R200A	5105A
1R200B	5105A
1R801	389
1R1600	5483
1R1601	5483
1R1602	5483
1R1771	5483
1R1772	5483
1R1774	5483
1R1977	184
1R2790	613
1R5000	98
1R5001	98
1R5002	98
1R5060	98
1R5061	98
1R5062	98
1R5063	98
1R5251	97
1R5252	97
1R5253	97
1RC5	5453
1RC10	5454
1RC20	5455
1RC30	5457
1RC40	5457
1RD3899	6006
1RD3899R	6007
1RD3900	6006
1RD3900R	6007
1RD3901	6006
1RD3901R	6007
1RD3902	6008
1RD3902R	6009
1RD3903	6008
1RD3903R	6009
1RD3909	6006
1RD3909R	6007
1RD3910	6006
1RD3910R	6007
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1RD3912R	6009
1RD3913	6008
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1S023	5804
1S025	5806
1S027	5808
1S030	5800
1S031	5801
1S032	5802
1S034	5804
1S036	5806
1S038	5808
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1S1Z09	116
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1S13	109
1S15	109
1S15O0	610
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1S17D1	109
1S18	177
1S20	110A
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1S34TV	109
1S35	110A
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1S40	5801
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1S42	5804
1S43	5804
1S44	5806
1S45	5806
1S46	5808
1S47	125
1S48	612
1S48A	613
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1S54	117A
1S58	117A
1S60	110MP
1S60P	109
1S70	110A
1S71	116
1S72	109♦
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1S75	110A
1S76	109
1S78	110A
1S79	110A
1S80	110A
1S81	116
1S82	109
1S83	116
1S84	177
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1S104	116
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1S134	116
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1S136	116
1S136(Zener)	137A
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1S164	5878
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1S-188AM	110A
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1S188F	110MP
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1S194	5018A
1S195	140A
1S196	5074A
1S197	142A
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1S211/2SJ8A	125
1S211A	136A
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1S216	140A
1S220	5068A
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1S220(Zener)	5068A
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1S222	5071A
1S223	138A
1S224	5073A
1S225	140A
1S226	5074A
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1S261	5100A
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1S263	5178AK
1S264	5181AK
1S265	5182AK
1S266	5184AK
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1S268	5187AK
1S268T	116
1S269	5188AK
1S270	5189AK
1S271	5190AK
1S272	5191AK
1S273	5192AK
1S274	5193AK
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1S276	5195AK
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1S295	5217AK
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1S297	5220AK
1S298	5221A
1S299	5222AK
1S300	5223AK
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1S337E	142A
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1S337-Y	142A
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1S477	5034A
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1S495	5194AK
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1S497	5201AK
1S498	5204AK
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1S1216	177
1S1217	177
1S1218	177
1S1218GR	177
1S1219	177
1S1220	177
1S1221	116
1S1222	116
1S1223	125
1S1224	116
1S1225	125
1S1225A	125
1S1226	506
1S1230	116
1S1231	116
1S1231(Stud)	6154‡
1S1232	116
1S1232(Stud)	6154‡
1S1233	125
1S1233(Stud)	6154‡
1S1234	125
1S1234(Stud)	6154‡
1S1235(Stud)	6156‡
1S1236(Stud)	6158‡
1S1237	506
1S1237(Stud)	6158‡
1S1238	506
1S1255A	125
1S1288	5916
1S1302	177
1S1303	177
1S1305	177
1S1315	611
1S1333	552
1S1341	116
1S1342	116
1S1343	116
1S1344	116
1S1345	125
1S1346	116
1S1347	125
1S1348	125
1S1349	506
1S1351	5834
1S1352	5834
1S1353	5838
1S1354	5838
1S1355	5842
1S1356	5846
1S1357	5848
1S1417	5999
1S1418	6003
1S1420H	177
1S1472	117A
1S1473	177
1S1500	610
1S1501	611
1S1502	611
1S1503	614
1S1514	177
1S1515	177
1S1516	177
1S1517	506
1S1517A	506
1S1532	177
1S1533	177
1S1544	553
1S1545	553
1S1553	177
1S1553(TV)	177
1S1553TV	177
1S1553V(TV)	177
1S1554	177
1S1554(TV)	177
1S1554V(TV)	177
1S1555	177
1S1555(TV)	177
1S1555FA-1	177
1S1555-S	177
1S1555TP	177
1S1555-TV	177
1S1555TV	177
1S-1555V	177
1S1555V	177
1S1555V(TV)	177
1S1555VTV	177
1S1555-Z	177
1S1558	614
1S1575	5878
1S1576	5882
1S1577	5886
1S1578	5890
1S1579	178MP

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
1S1580	177
1S1582	610
1S1585	177
1S1586	177
1S1587	177
1S1588	519
1S1588V	519
1S1589	177
1S1614	6068♦
1S1615	6072♦
1S1621	177
1S1621-O	177
1S1621-R	177
1S1621-Y	177
1S1622	116
1S1623	116
1S1624	116
1S1625	116
1S1626	5866
1S1627	5868
1S1629	5846
1S1630	5848
1S1643R	6355
1S1644R	6355
1S1650	177
1S1651	177
1S1652	5944
1S1652R	5875
1S1653	5948
1S1653R	5879
1S1654	5986
1S1654R	5987
1S1655	5988
1S1655R	5989
1S1658	614
1S1658FA-3	614
1S1660	5834
1S1660R	5835
1S1661	5838
1S1661R	5839
1S1662	5854
1S1662R	5855
1S1663	5858
1S1663R	5859
1S1664	116
1S1665	117A
1S1666	116
1S1668	116
1S1668F	116
1S1690	110A
1S1691	116
1S1692	117A
1S1693	116
1S1694	117A
1S1695	125
1S1697	116
1S1698	116
1S1701	178MP
1S1715	137A
1S1717	5073A
1S1717L	139A
1S1718	139A
1S1718/4454C	140A
1S1722	112
1S1728	139A
1S1757	613
1S1758	613
1S1759	613
1S1798	5874‡
1S1798R	5875‡
1S1799	5874‡
1S1799R	5875‡
1S1801	5878‡
1S1801R	5879‡
1S1802	5882‡
1S1802R	5883‡
1S1803	5886‡
1S1803R	5887‡
1S1804	5890‡
1S1804R	5891‡
1S1805	611
1S1805A	611
1S1806	611
1S1806A	611
1S1825	177
1S1829	125
1S1832	506
1S1833	552
1S1834	552
1S1835	552
1S1841	5990
1S1842	5994
1S1843	5998
1S1844	6002
1S1849	116
1S1849R	116(2)
1S1850	116(2)
1S1850R	116(2)
1S1851	116
1S1851R	116
1S1855	506
1S1881AM	116
1S1882	506
1S1885	116
1S1885-3	116
1S1885A	116
1S1885FA	116
1S1886	116
1S1886A	116
1S1886FA	116
1S1887	116
1S1887A	116
1S1887A(FA-1)	116
1S1887AFA	116
1S1887AFA-1	116
1S1887A-Z	116
1S1887FA	116
1S1887FA-1	116
1S1888	116
1S1888V	116
1S1890	5806
1S1891	156
1S1892	156
1S1893	610
1S1894	614
1S1895	612
1S1906	116
1S1910	552
1S1911	552
1S1920	506
1S1921A	506
1S1921B	506
1S1921C	506
1S1921D	506
1S1921E	506
1S1921F	506
1S1922	112
1S1923	611
1S1923A	611
1S1924	612
1S1925	112
1S1926	112
1S1926K	112
1S1926M	112
1S1934	5982‡
1S1934R	5983‡
1S1935	5986‡
1S1935R	5987‡
1S1936	5990‡
1S1936R	5991‡
1S1937	5994‡
1S1937R	5995‡
1S1938	5998‡
1S1938R	5999‡
1S1939	6002‡
1S1939R	6003‡
1S1941	116
1S1942	116
1S1943	116
1S1944	156
1S1951	147A
1S1953	177
1S1956	5070A
1S1957	5071A
1S1958	5072A
1S1959	139A
1S1960	140A
1S1961	5074A
1S1962	142A
1S1963	144A
1S1964	145A
1S1965	5075A
1S1966	5077A
1S1967	5079A
1S1968	5080A
1S1969	5081A
1S1970	146A
1S1971	5084A
1S1993	177
1S1994	177
1S1995	177
1S1998	5842
1S1998R	5843
1S2011A	5074A
1S2030A	5004A
1S2033	5005A
1S2033A	5005A
1S2036	5006A
1S2036A	5006A
1S2039	5007A
1S2039A	5007A
1S2043	5008A
1S2043A	5008A
1S2047	5009A
1S2047A	5009A
1S2051	5010A
1S2051A	5010A
1S2056	5011A
1S2056A	5011A
1S2062	5013A
1S2062A	5013A
1S2068A	5014A
1S2071A	519
1S2074	519
1S2074H	177
1S2075	519
1S2075(ZENER)	5015A
1S2075A	5015A
1S2075A(Zener)	5015A
1S2075K	519
1S2076	519
1S2076-27	519
1S2076A	519
1S2076A-07	519
1S2076A-14	519
1S2076ATP	519
1S2076AX4	519
1S2076K	519
1S2076MC	519
1S2076P	519
1S2076T	519
1S2076-TF1	519
1S2076-TFI	177
1S2076TP	519
1S2078	177
1S2078K	177
1S2080	116
1S2081	116
1S2082	5016A
1S2082(Rect)	580
1S2082A	5016A
1S2082A(Rect)	580
1S2085	612
1S2085A	612
1S2086	612
1S2086A	612
1S2087	612
1S2087A	612
1S2088	612
1S2088A	612
1S2089	611
1S2090	610
1S2091	177
1S2091(Zener)	5018A
1S2091(Diode)	177
1S2091A	5018A
1S2091-BK	177
1S2091-BL	177
1S2091-W	177
1S2092	177
1S2093	6408
1S2094	611
1S2095	519
1S2095A	519
1S2097	177
1S2098	177
1S2100	5019A
1S2100A	5019A
1S2110	5020A
1S2110A	5020A
1S2111A	136A
1S2112A	137A
1S2113A	5071A
1S2114A	138A
1S2115A	5072A
1S2116A	139A
1S2117	140A
1S2117A	140A
1S2118A	5074A
1S2119A	5021A
1S2120	5021A
1S2120A	5021A
1S2121A	145A
1S2122A	5075A
1S2123A	5077A
1S2130	5022A
1S2130A	5022A
1S2130B	143A
1S2134	519
1S2139	611
1S2139A	610
1S2139B	611
1S2139C	612
1S2142	611
1S2143	611
1S2144	177
1S2144A	177
1S2144Z	177
1S-2144Z	177
1S2147	610
1S2147A	612
1S2147B	612
1S2147C	612
1S2150	5024A
1S2150A	5024A
1S2160A	5025A
1S2180	5027A
1S2180A	5027A
1S2186	553
1S2186GR	177
1S2187	112
1S2188	611
1S2197	614
1S2197A	614
1S2198	112
1S2200	5029A
1S2200A	5079A
1S2206	612
1S2207	616
1S2207-9	611
1S2208	616
1S2209	616
1S2220	5030A
1S2220A	5030A
1S2222	555
1S2226	116
1S2227	125
1S2227(DAMPER)	506
1S2227(RECT)	116
1S2227(FLYBACK)	552
1S2230	558
1S2233	5806
1S2234	5808
1S2236	611
1S2239	610
1S2240	5031A
1S2240A	5031A
1S2244	552
1S2245	552
1S2246	552
1S2267	612
1S2268	612
1S2270	5033A
1S2270A	5033A
1S2276	177
1S2277	552
1S2278	552
1S2279	552
1S2280	558
1S2281	558
1S2300	5035A
1S2300A	5035A
1S2306	506
1S2307	506
1S2308	506
1S2309	506
1S2310	116
1S2311	125
1S2312	125
1S2313	116
1S2314	125
1S2315	125
1S2316	552
1S2317	552
1S2318	558
1S2319	558
1S2323	558
1S2324	558
1S2325	558
1S2326	558
1S2330	5036A
1S2330A	5036A
1S2336	611
1S2339	610
1S2339C	611
1S2339-C	610
1S2339G	612
1S2340	611
1S2350	5804
1S2351	116
1S2352	116
1S2353	125
1S2354	125
1S2355	558
1S2356	116
1S2357	116
1S2361	116
1S2362	116
1S2363	116
1S2364	125
1S2365	125
1S2367	116
1S2370	558
1S2371	166
1S2371A	116(4)
1S2372	116
1S2373	116
1S2374	116
1S2375	116
1S2376	116
1S2377	156
1S2378	5834
1S2378R	5835
1S2379	5804
1S2380	5806
1S2401	116
1S2402	116
1S2403	125
1S2404	116
1S2405	125
1S2406	125
1S2408	5800
1S2409	156
1S2410	5802
1S2411	5804
1S2412	5804
1S2413	5806
1S2414	5806
1S2415	5800
1S2416	5801
1S2417	5802
1S2418	5804
1S2419	5804
1S2420	5806
1S2421	5806
1S2422	5962
1S2422R	5963
1S2423	5962
1S2423R	5963
1S2424	5962
1S2424R	5963
1S2425	5962
1S2425R	5963
1S2426	5962
1S2426R	5963
1S2427	5966
1S2427R	5967
1S2434	5940
1S2434R	5944
1S2435	5944
1S2435R	5945
1S2436	5944
1S2436R	5945
1S2437	5878
1S2437R	5949
1S2438	5878
1S2438R	5949
1S2439	5882
1S2439R	5883
1S2446	5980
1S2446R	5981
1S2447	5986
1S2447R	5987
1S2448	5986
1S2449	5988
1S2449R	5991
1S2451	5992
1S2451R	5995
1S2458	5806
1S2459	5809
1S2460	177
1S2461	177
1S2462	116
1S2471	519
1S2471B	519
1S2471TA	519
1S2471V	519
1S2471V-Y	519
1S2472	519
1S-2472	519
1S2473	519
1S2473-1	519
1S2473H	519
1S2473HC	519
1S2473HJ	519
1S2473H-Y	519
1S2473I	519
1S2473-I	519
1S2473K	519
1S2473N	519
1S2473T	177
1S2473-T27	519
1S2473-T72	519
1S2473TP	519
1S2473V	519
1S2473VE	519
1S2473VE1	519
1S2473VH	519
1S2475	519
1S2476	519
1S2514	558
1S2588	519
1S2592	558
1S2593	558
1S2594	558
1S2595	558
1S2596	580
1S2597	580
1S2598	580
1S2606	116
1S2608	125
1S2610	125
1S2612	558
1S2613	558
1S2637	177
1S2638	611
1S2675	552
1S2676	552
1S2677	558
1S2678	558
1S2679	558
1S2686	611
1S2687	614
1S2687AA	614
1S2687D	614
1S2687S-1	614
1S2687T	614
1S2688	614
1S2688AA	116
1S2688B	614
1S2688EA	614
1S2688EB	613
1S2688EP	613
1S2689	614
1S2692	555
1S2692A	555
1S2692-AB	519
1S2692B	177
1S2706	177
1S2711	506
1S2745	515
1S2746	515
1S2756	506
1S2775	552
1S2775FA-1	552
1S2776	552
1S2777	552
1S2787	519
1S2788	177
1S2788B	177
1S2789	616
1S2790	614
1S2790W	613
1S2790WT	613
1S2790YL	614♦
1S2827A	125
1S2828A	125
1S2830A	125
1S2831A	125
1S2835	596
1S2836	596
1S2837	595
1S2838	595
1S2885	552
1S3006	5071A
1S3007	138A
1S3007A	5121A
1S3008	5072A
1S3008A	5122A
1S3009	139A
1S3009A	5124A
1S3010	140A
1S3010A	5125A
1S3011	5074A
1S3011A	5126A
1S3012	142A
1S3012A	5127A
1S3013	143A
1S3013A	5128A
1S3015A	5130A
1S3016(Zener)	5075A
1S3016(Rect)	116
1S3016A	5131A
1S3016R(Diode)	177
1S3018	5077A
1S3018A	5133A
1S3020	5079A
1S3020A	5135A
1S3022	5080A
1S3022A	5136A
1S3024	5081A
1S3024A	5137A
1S3027	146A
1S3027A	5139A
1S3030	5084A
1S3030A	5141A
1S3033	147A
1S3033A	5142A
1S3036	5085A
1S3036A	5143A
1S3039	5086A
1S3039A	5144A
1S3043	5087A
1S3043A	5145A
1S3047	5088A
1S3047A	5146A
1S3051	5089A
1S3051A	5147A
1S3056	5090A
1S3056A	5148A
1S3062	149A
1S3062A	5150A
1S3068	5092A
1S3068A	5151A
1S3075	5093A
1S3075A	5152A
1S3076	177
1S3082	150A
1S3091	5095A
1S3100	5096A
1S3110	151A
1S3120	5097A
1S3130	5098A
1S3150	5100A
1S3160	5101A
1S3180	5103A
1S3200	5105A
1S3305	5010A
1S3332	5071A
1S3585	109
1S4006	5120A
1S4006A	5120A
1S4007	5121A
1S4007A	5121A
1S4008	5122A
1S4008A	5122A
1S4009	5124A
1S4009A	5124A
1S4010	5125A
1S4010A	5125A
1S4011	5126A
1S4011A	5126A
1S4012	5127A
1S4012A	5127A
1S4013	5128A
1S4013A	5128A
1S4015	5130A
1S4015A	5130A
1S4016	5131A
1S4016A	5131A
1S4018	5133A
1S4018A	5133A
1S4020	5135A
1S4020A	5135A
1S4022	5136A
1S4022A	5136A
1S4024	5137A
1S4024A	5137A
1S4027	5139A
1S4027A	5139A
1S4030	5141A
1S4030A	5141A
1S4033	5142A
1S4033A	5142A
1S4036	5143A
1S4036A	5143A
1S4039	5144A
1S4039A	5144A
1S4043	5145A
1S4043A	5145A
1S4047	5146A
1S4047A	5146A
1S4051	5147A
1S4051A	5147A
1S4056	5148A
1S4056A	5148A
1S4062	5150A
1S4062A	5150A
1S4068	5151A
1S4068A	5151A
1S4075	5152A
1S4075A	5152A
1S4082	5153A
1S4082A	5153A
1S4091	5155A
1S4091A	5155A
1S4100	5156A
1S4100A	5156A
1S4110	5157A
1S4110A	5157A
1S4120	5158A
1S4120A	5158A
1S4130	5159A
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1S4150	5161A
1S4150A	5161A
1S4160	5162A
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1S4180	5164A
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1S4200	5166A
1S4200A	5166A
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1S4735	5010A
1S5006A	5181A
1S5007A	5182A
1S5008A	5183A
1S5009A	5185A
1S5010A	5186A
1S5011A	5187A
1S5012A	5188A
1S5013A	5189A
1S5015	5191A
1S5015A	5191A
1S5016	5192A
1S5016A	5192A
1S5018	5194A
1S5018A	5194A
1S5020	5196A
1S5020A	5196A
1S5022	5197A
1S5022A	5197A
1S5024	5198A
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1S5027	5200A
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1S5033	5203A
1S5033A	5203A
1S5036	5204A
1S5036A	5204A
1S5039	5205A
1S5039A	5205A
1S5043	5206A
1S5043A	5206A
1S5047	5208A
1S5047A	5208A
1S5051	5210A
1S5051A	5210A
1S5056	5212A
1S5056A	5212A
1S5062	5214A
1S5062A	5214A
1S5068	5215A
1S5068A	5215A
1S5075	5216A
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1S5082	5217A
1S5082A	5217A
1S5091	5219A
1S5091A	5219A
1S5100	5220A
1S5100A	5220A
1S5110	5222A
1S5110A	5222A
1S5120	5223A
1S5120A	5223A
1S5130	5224A
1S5130A	5224A
1S5150	5226A
1S5150A	5226A
1S5160A	5227A
1S5200A	5232A
1S5295	552
1S5295G	552
1S5295I	552
1S5295J	552
1S5454	109
1S6006	5181A
1S6006A	5181A
1S6007	5182A
1S6007A	5182A
1S6008	5183A
1S6008A	5183A
1S6009A	5185A
1S6010	5186A
1S6010A	5186A
1S6011	5187A
1S6011A	5187A
1S6012	5188A
1S6012A	5188A
1S6013	5189A
1S6013A	5189A
1S6015	5191A
1S6015A	5191A
1S6016	5192A
1S6016A	5192A
1S6018	5194A
1S6018A	5194A
1S6020	5196A
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1S6082	5217A
1S6082A	5217A
1S6091	5219A
1S6091A	5219A
1S6100	5220A

♦, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
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1S6110A	5222A
1S6120	5223A
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1T13B	112
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1WS10	156
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1ZM110T5	151A
1ZM120T5	5097A
1ZM130T5	5098A
1ZM150T5	5100A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
1ZM160T5	5101A
1ZM180T5	5103A
1ZM200T5	5105A
1ZS3.9A	5068A
1ZS4.3A	5069A
1ZS4.7A	5116A
1ZS5.1A	136A
1ZS5.6A	137A
1ZS6.2A	5071A
1ZS6.8A	138A
1ZS7.5A	5072A
1ZS8.2A	139A
1ZS9.1A	139A
1ZS10A	140A
1ZS11A	5074A
1ZS12A	142A
1ZS13A	143A
1ZS15A	145A
1ZS16A	5075A
1ZS18A	5077A
1ZS20A	5079A
1ZS22A	5080A
1ZS24A	5081A
1ZS27A	146A
1ZS30A	5084A
1ZS33A	147A
1ZS36A	5085A
1ZS39A	5086A
1ZS43A	5087A
1ZS47A	5088A
1ZS51A	5089A
1ZS56A	5090A
1ZS62A	149A
1ZS68B	5092A
1ZS75A	5093A
1ZS82A	150A
1ZS91A	5095A
1ZS100A	5096A
1ZS110A	151A
1ZS120A	5097A
1ZS130A	5098A
1ZS150A	5100A
1ZS160A	5101A
1ZS180A	5103A
1ZS200A	5105A
1ZT12	142A
1ZT12B	142A
1ZT15	145A
1ZT15B	145A
1ZT27	146A
1ZT27B	146A
1ZT33	147A
1ZT33B	147A
1ZT82	150A
1ZT82B	150A
1ZT110A	151A
1ZT120A	5097A
1ZT130A	5098A
1ZT150A	5100A
1ZT160A	5101A
1ZT180A	5103A
1ZT200A	5105A
1.32	5074A
1.516B	5131A
1.5B05	156
1.5BZ100D	5156A
1.5BZ110B	5157A
1.5BZ120	5158A
1.5BZ120C	5158A
1.5BZ130D	5159A
1.5BZ140B	5160A
1.5BZ150	5161A
1.5BZ150C	5161A
1.5C05	156
1.5DKZ6.8	5120A
1.5DKZ6.8A	5120A
1.5DKZ6.8B	5120A
1.5DKZ7.5	5121A
1.5DKZ7.5A	5121A
1.5DKZ8.2	5122A
1.5DKZ8.2A	5122A
1.5DKZ8.2B	5122A
1.5DKZ9.1	5124A
1.5DKZ9.1A	5124A
1.5DKZ9.1B	5124A
1.5DKZ10	5125A
1.5DKZ10A	5125A
1.5DKZ10B	5125A
1.5DKZ11	5126A
1.5DKZ11A	5126A
1.5DKZ11B	5126A
1.5DKZ12	5127A
1.5DKZ12A	5127A
1.5DKZ12B	5127A
1.5DKZ13	5128A
1.5DKZ13A	5128A
1.5DKZ13B	5128A
1.5DKZ15	5130A
1.5DKZ15A	5130A
1.5DKZ15B	5130A
1.5DKZ16	5131A
1.5DKZ16A	5131A
1.5DKZ16B	5131A
1.5DKZ18	5133A
1.5DKZ18A	5133A
1.5DKZ18B	5133A
1.5DKZ20	5135A
1.5DKZ20A	5135A
1.5DKZ20B	5135A
1.5DKZ22	5136A
1.5DKZ22A	5136A
1.5DKZ22B	5136A
1.5DKZ24	5137A
1.5DKZ24A	5137A
1.5DKZ24B	5137A
1.5DKZ27	5139A
1.5DKZ27A	5139A
1.5DKZ27B	5139A
1.5DKZ30	5141A
1.5DKZ30A	5141A
1.5DKZ30B	5141A
1.5DKZ33	5142A
1.5DKZ33A	5142A
1.5DKZ33B	5142A
1.5DKZ36	5143A
1.5DKZ36A	5143A
1.5DKZ36B	5143A
1.5DKZ39	5144A
1.5DKZ39A	5144A
1.5DKZ39B	5144A
1.5DKZ43	5145A
1.5DKZ43A	5145A
1.5DKZ43B	5145A
1.5DKZ47	5146A
1.5DKZ47A	5146A
1.5DKZ47B	5146A
1.5DKZ51	5147A
1.5DKZ51A	5147A
1.5DKZ51B	5147A
1.5DKZ56	5148A
1.5DKZ56A	5148A
1.5DKZ56B	5148A
1.5DKZ62	5150A
1.5DKZ62A	5150A
1.5DKZ62B	5150A
1.5DKZ68	5151A
1.5DKZ68A	5151A
1.5DKZ68B	5151A
1.5DKZ75	5152A
1.5DKZ75A	5152A
1.5DKZ75B	5152A
1.5E05	5800
1.5E1	5801
1.5E2	5802
1.5E4	5804
1.5E5	5806
1.5E6	5806
1.5E12	506
1.5E18	4926
1.5E140	5160A
1.5J05	5800
1.5J1	5801
1.5J2	5802
1.5J3	5804
1.5J4	5804
1.5J5	5806
1.5J6	5806
1.5J12	506
1.5JZ6.8	5120A
1.5JZ6.8A	5120A
1.5JZ6.8B	5120A
1.5JZ6.8C	5120A
1.5JZ6.8D	5120A
1.5JZ7.5	5121A
1.5JZ7.5A	5121A
1.5JZ7.5B	5121A
1.5JZ7.5C	5121A
1.5JZ7.5D	5121A
1.5JZ8.2	5122A
1.5JZ8.2A	5122A
1.5JZ8.2B	5122A
1.5JZ8.2C	5122A
1.5JZ8.2D	5122A
1.5JZ9.1	5124A
1.5JZ9.1A	5124A
1.5JZ9.1B	5124A
1.5JZ9.1C	5124A
1.5JZ9.1D	5124A
1.5JZ10	5125A
1.5JZ10A	5125A
1.5JZ10B	5125A
1.5JZ10C	5125A
1.5JZ10D	5125A
1.5JZ11	5126A
1.5JZ11A	5126A
1.5JZ11B	5126A
1.5JZ11C	5126A
1.5JZ11D	5126A
1.5JZ12	5127A
1.5JZ12A	5127A
1.5JZ12B	5127A
1.5JZ12C	5127A
1.5JZ12D	5127A
1.5JZ13	5128A
1.5JZ13A	5128A
1.5JZ13B	5128A
1.5JZ13C	5128A
1.5JZ13D	5128A
1.5JZ14	5129A
1.5JZ14A	5129A
1.5JZ14B	5129A
1.5JZ14C	5129A
1.5JZ14D	5129A
1.5JZ15	5130A
1.5JZ15A	5130A
1.5JZ15B	5130A
1.5JZ15C	5130A
1.5JZ15D	5130A
1.5JZ16	5131A
1.5JZ16A	5131A
1.5JZ16B	5131A
1.5JZ16C	5131A
1.5JZ16D	5131A
1.5JZ17	5132A
1.5JZ17A	5132A
1.5JZ17B	5132A
1.5JZ17C	5132A
1.5JZ17D	5132A
1.5JZ18	5133A
1.5JZ18A	5133A
1.5JZ18B	5133A
1.5JZ18C	5133A
1.5JZ18D	5133A
1.5JZ19	5134A
1.5JZ19A	5134A
1.5JZ19B	5134A
1.5JZ19C	5134A
1.5JZ19D	5134A
1.5JZ20	5135A
1.5JZ20A	5135A
1.5JZ20B	5135A
1.5JZ20C	5135A
1.5JZ20D	5135A
1.5JZ22	5136A
1.5JZ22A	5136A
1.5JZ22B	5136A
1.5JZ22C	5136A
1.5JZ22D	5136A
1.5JZ24	5137A
1.5JZ24A	5137A
1.5JZ24B	5137A
1.5JZ24C	5137A
1.5JZ24D	5137A
1.5JZ25	5138A
1.5JZ25A	5138A
1.5JZ25B	5138A
1.5JZ25D	5138A
1.5JZ27	5139A
1.5JZ27A	5139A
1.5JZ27B	5139A
1.5JZ27C	5139A
1.5JZ27D	5139A
1.5JZ30	5141A
1.5JZ30A	5141A
1.5JZ30B	5141A
1.5JZ30C	5141A
1.5JZ30D	5141A
1.5JZ33	5142A
1.5JZ33A	5142A
1.5JZ33B	5142A
1.5JZ33C	5142A
1.5JZ33D	5142A
1.5JZ36	5143A
1.5JZ36A	5143A
1.5JZ36B	5143A
1.5JZ36C	5143A
1.5JZ36D	5143A
1.5JZ39	5144A
1.5JZ39A	5144A
1.5JZ39B	5144A
1.5JZ39C	5144A
1.5JZ39D	5144A
1.5JZ43	5145A
1.5JZ43A	5145A
1.5JZ43B	5145A
1.5JZ43C	5145A
1.5JZ43D	5145A
1.5JZ47	5146A
1.5JZ47A	5146A
1.5JZ47B	5146A
1.5JZ47C	5146A
1.5JZ47D	5146A
1.5JZ51	5147A
1.5JZ51A	5147A
1.5JZ51B	5147A
1.5JZ51C	5147A
1.5JZ51D	5147A
1.5JZ56	5148A
1.5JZ56A	5148A
1.5JZ56B	5148A
1.5JZ56C	5148A
1.5JZ56D	5148A
1.5JZ62	5150A
1.5JZ62A	5150A
1.5JZ62B	5150A
1.5JZ62C	5150A
1.5JZ62D	5150A
1.5JZ68	5151A
1.5JZ68A	5151A
1.5JZ68B	5151A
1.5JZ68C	5151A
1.5JZ68D	5151A
1.5JZ75	5152A
1.5JZ75A	5152A
1.5JZ75B	5152A
1.5JZ75C	5152A
1.5JZ75D	5152A
1.5JZ82	5153A
1.5JZ82A	5153A
1.5JZ82B	5153A
1.5JZ82C	5153A
1.5JZ82D	5153A
1.5JZ91	5155A
1.5JZ91A	5155A
1.5JZ91B	5155A
1.5JZ91C	5155A
1.5JZ91D	5155A
1.5JZ100	5156A
1.5JZ100A	5156A
1.5JZ100B	5156A
1.5JZ100C	5156A
1.5JZ110	5157A
1.5JZ110A	5157A
1.5JZ110C	5157A
1.5JZ110D	5157A
1.5JZ120A	5158A
1.5JZ120B	5158A
1.5JZ120D	5158A
1.5JZ130	5159A
1.5JZ130A	5159A
1.5JZ130B	5159A
1.5JZ130C	5159A
1.5JZ140	5160A
1.5JZ140A	5160A
1.5JZ140C	5160A
1.5JZ140D	5160A
1.5JZ150A	5161A
1.5JZ150B	5161A
1.5JZ150D	5161A
1.5JZ160	5162A
1.5JZ160A	5162A
1.5JZ160B	5162A
1.5JZ160C	5162A
1.5JZ160D	5162A
1.5JZ200	5166A
1.5JZ200A	5166A
1.5JZ200B	5166A
1.5JZ200C	5166A
1.5JZ200D	5166A
1.5K6.8	4902
1.5K6.8A	4902
1.5K13	4918
1.5K13A	4918
1.5K18	4926
1.5K18A	4926
1.5K20	4928
1.5K20A	4928
1.5K27	4934
1.5K27A	4934
1.5K51	4950
1.5K51A	4950
1.5K68	4958
1.5K68A	4958
1.5K200	4988
1.5K200A	4988
1.5KE6.0CTA	4901
1.5KE6.8	4902
1.5KE6.8A	4902
1.5KE6.8C	4903
1.5KE6.8CA	4903
1.5KE6.8LT	4902
1.5KE13	4918
1.5KE13A	4918
1.5KE13C	4919
1.5KE13CA	4919
1.5KE13CTA	4919
1.5KE13LT	4918
1.5KE18	4926
1.5KE18A	4926
1.5KE18C	4927
1.5KE18CA	4927
1.5KE18CTA	4927
1.5KE18LT	4926
1.5KE20	4928
1.5KE20A	4928
1.5KE20C	4929
1.5KE20CA	4929
1.5KE20CTA	4929
1.5KE20LT	4928
1.5KE27	4934
1.5KE27A	4934
1.5KE27C	4935
1.5KE27CA	4935
1.5KE27CTA	4935
1.5KE27LT	4934
1.5KE51	4950
1.5KE51A	4950
1.5KE51C	4951
1.5KE51CA	4951
1.5KE51CTA	4951
1.5KE51LT	4950
1.5KE68	4958
1.5KE68A	4958
1.5KE68C	4959
1.5KE68CA	4959
1.5KE68CTA	4959
1.5KE68LT	4958
1.5KE200	4988
1.5KE200A	4988
1.5KE200C	4989
1.5KE200CA	4989
1.5KE200CTA	4989
1.5KE200LT	4988
1.5M14Z	5129A
1.5M14Z10	5129A
1.5M17Z	5132A
1.5M17Z10	5132A
1.5M19Z	5134A
1.5M19Z10	5134A
1.5M25Z	5138A
1.5M25Z10	5138A
1.5M30Z	5141A
1.5M51Z	5147A
1.5M100Z	5156A
1.5M140Z	5160A
1.5R8.2	5122A
1.5R8.2A	5122A
1.5R8.2B	5122A
1.5R9.1	5124A
1.5R9.1A	5124A
1.5R9.1B	5124A
1.5R10	5125A
1.5R10A	5125A
1.5R10B	5125A
1.5R11	5126A
1.5R11A	5126A
1.5R11B	5126A
1.5R12	5127A
1.5R12A	5127A
1.5R12B	5127A
1.5R13	5128A
1.5R13A	5128A
1.5R13B	5128A
1.5R15	5130A
1.5R15A	5130A
1.5R15B	5130A
1.5R16	5131A
1.5R16A	5131A
1.5R16B	5131A
1.5R18	5133A
1.5R18A	5133A
1.5R18B	5133A
1.5R20	5135A
1.5R20A	5135A
1.5R20B	5135A
1.5R22	5136A
1.5R22A	5136A
1.5R22B	5136A
1.5R24	5137A
1.5R24A	5137A
1.5R24B	5137A
1.5R27	5139A
1.5R27A	5139A
1.5R27B	5139A
1.5R30	5141A
1.5R30A	5141A
1.5R30B	5141A
1.5R31	5144A
1.5R33	5142A
1.5R33A	5142A
1.5R33B	5142A
1.5R36	5143A
1.5R36A	5143A
1.5R36B	5143A
1.5R39A	5144A
1.5R39B	5144A
1.5R43	5145A
1.5R43A	5145A
1.5R43B	5145A
1.5R47	5146A
1.5R47A	5146A
1.5R47B	5146A
1.5R51	5147A
1.5R51A	5147A
1.5R51B	5147A
1.5R56	5148A
1.5R56A	5148A
1.5R56B	5148A
1.5R62	5150A
1.5R62A	5150A
1.5R62B	5150A
1.5R68	5151A
1.5R68A	5151A
1.5R68B	5151A
1.5R75B	5152A
1.5R91	5155A
1.5R91A	5155A
1.5R91B	5155A
1.5R100	5156A
1.5R100A	5156A
1.5R100B	5156A
1.5R110	5157A
1.5R110A	5157A
1.5R110B	5157A
1.5R120	5158A
1.5R120A	5158A
1.5R120B	5158A
1.5R130	5159A
1.5R130A	5159A
1.5R130B	5159A
1.5R140	5160A
1.5R140A	5160A
1.5R140B	5160A
1.5R150	5161A
1.5R150A	5161A
1.5R150B	5161A
1.5R160	5162A
1.5R160A	5162A
1.5R160B	5162A
1.5R180	5164A
1.5R180A	5164A
1.5R180B	5164A
1.5R200	5166A
1.5R200A	5166A
1.5R200B	5166A
1.5R1208	5158A
1.5SE6.8	4902
1.5SE6.8A	4902
1.5SE6.8C	4903
1.5SE6.8CA	4903
1.5SE13	4918
1.5SE13A	4918
1.5SE13C	4919
1.5SE13CA	4919
1.5SE18	4926
1.5SE18A	4926
1.5SE18C	4927
1.5SE18CA	4927
1.5SE20	4928
1.5SE20A	4928
1.5SE20C	4929
1.5SE20CA	4929
1.5SE27	4934
1.5SE27A	4934
1.5SE27C	4935
1.5SE27CA	4935
1.5SE51	4950
1.5SE51A	4950
1.5SE51C	4951
1.5SE51CA	4951
1.5SE68	4958
1.5SE68A	4958
1.5SE68C	4959
1.5SE68CA	4959
1.5SE200	4988
1.5SE200A	4988
1.5SE200C	4989
1.5SE200CA	4989
1.5Z6.8	5120A
1.5Z6.8A	5120A
1.5Z6.8B	5120A
1.5Z6.8C	5120A
1.5Z7.5	5121A
1.5Z7.5A	5121A
1.5Z7.5B	5121A
1.5Z7.5C	5121A
1.5Z7.5D	5121A
1.5Z8.2	5122A
1.5Z8.2A	5122A
1.5Z8.2B	5122A
1.5Z8.2C	5122A
1.5Z8.2D	5122A
1.5Z9.1	5124A
1.5Z9.1A	5124A
1.5Z9.1B	5124A
1.5Z9.1C	5124A
1.5Z9.1D	5124A
1.5Z10	5125A
1.5Z10A	5125A
1.5Z10B	5125A
1.5Z10C	5125A
1.5Z10D	5125A
1.5Z11	5126A
1.5Z11A	5126A
1.5Z11B	5126A
1.5Z11C	5126A
1.5Z11D	5126A
1.5Z12	5127A
1.5Z12A	5127A
1.5Z12B	5127A
1.5Z12C	5127A
1.5Z12D	5127A
1.5Z13	5128A
1.5Z13A	5128A
1.5Z13B	5128A
1.5Z13C	5128A
1.5Z13D	5128A
1.5Z14	5129A
1.5Z14A	5129A
1.5Z14B	5129A
1.5Z14C	5129A
1.5Z14D	5129A
1.5Z15	5130A
1.5Z15A	5130A
1.5Z15B	5130A
1.5Z15C	5130A
1.5Z16	5131A
1.5Z16A	5131A
1.5Z16B	5131A
1.5Z16C	5131A
1.5Z16D	5131A
1.5Z17	5132A
1.5Z17A	5132A
1.5Z17B	5132A
1.5Z17C	5132A
1.5Z17D	5132A
1.5Z18	5133A
1.5Z18A	5133A
1.5Z18B	5133A
1.5Z18C	5133A
1.5Z18D	5133A
1.5Z19	5134A
1.5Z19A	5134A
1.5Z19B	5134A
1.5Z19C	5134A
1.5Z19D	5134A
1.5Z20	5135A
1.5Z20A	5135A
1.5Z20B	5135A
1.5Z20C	5135A
1.5Z20D	5135A
1.5Z22	5136A
1.5Z22A	5136A
1.5Z22B	5136A
1.5Z22C	5136A
1.5Z22D	5136A
1.5Z24	5137A
1.5Z24A	5137A
1.5Z24B	5137A
1.5Z24C	5137A
1.5Z24D	5137A
1.5Z25B	5138A
1.5Z27	5139A
1.5Z27A	5139A
1.5Z27B	5139A
1.5Z27C	5139A
1.5Z27D	5139A
1.5Z30	5141A
1.5Z30A	5141A
1.5Z30B	5141A
1.5Z30C	5141A
1.5Z30D	5141A
1.5Z31C	5144A
1.5Z33	5142A
1.5Z33A	5142A
1.5Z33B	5142A
1.5Z33C	5142A
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1.5Z82D	5153A
1.5Z91	5155A
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1.5Z91C	5155A
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1.5Z100	5156A
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1.5Z100B	5156A
1.5Z100C	5156A
1.5Z100D	5156A
1.5Z110	5157A
1.5Z110A	5157A
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1.5Z110C	5157A
1.5Z110D	5157A
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1.5Z120D	5158A
1.5Z130	5159A
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1.5Z130C	5159A
1.5Z130D	5159A
1.5Z140	5160A
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1.5Z140C	5160A
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1.5Z150	5161A
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1.5Z150C	5161A
1.5Z150D	5161A
1.5Z160	5162A
1.5Z160A	5162A
1.5Z160B	5162A
1.5Z160C	5162A
1.5Z160D	5162A
1.5Z180	5164A
1.5Z180A	5164A
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1.5Z180C	5164A
1.5Z180D	5164A
1.5Z200	5166A
1.5Z200A	5166A
1.5Z200B	5166A
1.5Z200C	5166A
1.5Z200D	5166A
2	198
2-0A91	110MP
2-0A99	109
2-1K60	,110A
2-1K261	109
2-1K261MP	110MP
2-5SR	116
2-36	103
2-2105	5072A
2-2308	159
2-2310	123A
2-2819	3042
2-2820	3045
2-2821	3045
2-5004-6	5695
2-5004-14	5697
2-5184-11	5675
2-8454-031	123A
2-64701508	125
2A	126A
2A12	129
2A18	5008A
2A21	5010A
2A22	5010A
2A25(ZENER)	5006A
2A28(ZENER)	5004A
2A30	156
2A43	5003A
2A44	5005A
2A45	5011A
2A46	5007A
2A47	5008A
2A64	5036A
2A100	156
2A119	110MP
2A200	156
2AA113	116(2)
2-AA119	110MP
2AA119	110MP

♦, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
2AC3T	5642
2AC3TL	5642
2AC3TR	5642
2AC5T	5643
2AC5TL	5643
2AC5TR	5643
2AC6T	5643
2AC6TL	5643
2AC6TR	5643
2-AC132	102A(2)
2AC187	176(2)
2AC188	158(2)
2AD140	121
2AD149	121MP
2AFR2PF	156
2AG	161
2AH	161
2AM-1	5452
2AT-16	503
2B	100
2B-2	506
2B3.L	5312
2B4B41	5312◆
2B4.E	5313
2BD181	130MP
2BD183	185(2)
2BDY38/01	130MP
2C	100
2C291(Transistor)	128
2CD198S	130
2CS900	123A
2CT204	222
2D	100
2D001	121
2D002	123AP
2D002-41	123AP
2D002-168	123A
2D002-169	123A
2D002-170	123AP
2D002-171	171
2D002-175	123AP
2D004	121
2D004-9	121
2D-02	116
2D010	130
2D013	102
2D013-13	102
2D013-54	102
2D013-109	102
2D013-160	102
2D015	121
2D016	102
2D016-45	102
2D016-54	102
2D017	159
2D017-165	159
2D017-166	159
2D017-167	159
2D017-168	159
2D017-169	159
2D020	194
2D020-173	194
2D020-174	194
2D021	100
2D021-8	100
2D021-11	100
2D021-56	100
2D022	6400B
2D022-211	6400B
2D023	102
2D026	123AP
2D026-274	123AP
2D027	159
2D030	6410
2D031	457
2D033	289A
2D036	102A
2D038	313
2D039	102A
2D040	396
2D2B41	5313◆
2D7A	5096A
2D41	5400
2D165	177
2DL15	506
2DL-15	558
2DO13-54	102
2DO13-109	102
2DO16	102
2E	126A
2E05	116
2E1	116
2E1A20A22AAB	128
2E2	156
2E4	116
2E6	156
2E8	156
2E10	156
2EM015	156
2EZ3.6D5	5112A
2EZ3.9D5	5113A
2EZ4.3D5	5114A
2EZ4.7D5	5115A
2EZ5.1D5	5116A
2EZ5.6D5	5117A
2EZ6.2D5	5119A
2EZ6.8D5	5120A
2EZ7.5D5	5121A
2EZ8.2D5	5122A
2EZ9.1D5	5124A
2EZ10D5	5125A
2EZ11D5	5126A
2EZ12D5	5127A
2EZ13D5	5128A
2EZ14D5	5129A
2EZ15D5	5130A
2EZ15DE	5130A
2EZ16D5	5131A
2EZ17D5	5132A
2EZ18D5	5133A
2EZ19D5	5134A
2EZ20D5	5135A
2EZ22D5	5136A
2EZ24D	5137A
2EZ27D5	5139A
2EZ30D5	5141A
2EZ33D5	5142A
2EZ36D5	5143A
2EZ39DF	5144A
2EZ43D5	5145A
2EZ47D5	5146A
2EZ51D5	5147A
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2EZ91D5	5155A
2EZ100D5	5156A
2EZ110D5	5157A
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2EZ160D5	5162A
2EZ170D5	5163A
2EZ180D5	5164A
2EZ200D5	5166A
2F	160
2F05	5800
2F2CN1	156
2F2CN5	156
2F4	116
2F439	452
2FB050	166
2FB100	166
2FB200	167
2FB400	168
2FB600	169
2FB800	170
2FB1000	170
2G	126A
2G4B41	5314◆
2G8	116
2G13	116
2G101	126A
2G102	160
2G108	102
2G109	160
2G110	160
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2G210	121
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2G227	179
2G228	179
2G240	121
2G270	102
2G271	102
2G301	160
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2G402	126A
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2G3055	130
2GA	116
2H1254	159
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2H1256	106
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2H1258	159
2H1259	159
2HR3J	125
2HR3M	125
2HT-6	505
2HT6	505
2HT16	504
2J4B41	5315◆
2J72	160
2J73	160
2K02	125
2K48	160
2KBB10R	166
2KBB20R	167
2KBB40R	168
2KBB60R	169
2KBB80R	170
2KBB100R	170
2KBP005	166
2KBP02	167
2KBP04	168
2KBP06	169
2KBP08	170
2KBP10	170
2L15	525
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2MA509	298
2MC	126A
2MC509	293
2MW665	109
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2N161A	123AP
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2N174A	213
2N174RED	213
2N175	102A
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2N176(Wht/Brn)	121
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2N176-4PUR	121
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2N458	104
2N458A	104

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2N459	179
2N459A	179
2N460	102
2N462	102
2N466	102
2N467	102
2N468	102
2N470	123
2N471	123
2N471A	123
2N472	123A
2N472A	123A
2N473	123
2N474	123
2N474A	123
2N475	123A
2N475A	123A
2N476	123
2N477	123
2N478	123
2N479	123
2N479A	123
2N480	123A
2N480A	123A
2N480B	128
2N481	100
2N482	100
2N483	100
2N483-6M	102
2N483B	102
2N484	100
2N485	100
2N486	100
2N486B	100
2N487	100
2N491	6400B
2N495	106
2N495/18	106
2N496	106
2N497	128
2N497A	128
2N498	128
2N499	126A
2N499A	126A
2N500	126A
2N500BLU	126A
2N500RED	126A
2N500WHT	126A
2N501	126A
2N501/18	126A
2N501A	126A
2N502	126A
2N502A	126A
2N502B	126A
2N503	126A
2N504	126A
2N505	100
2N506	126A
2N508	102
2N508A	102
2N509	160
2N512B	104
2N514	179
2N514A	179
2N514B	179
2N515	103
2N516	103
2N517	103
2N518	100
2N519	100
2N519A	100
2N520	100
2N520A	100
2N521	100
2N521A	100
2N522	100
2N522A	100
2N523	100
2N523A	100
2N529	100
2N530	100
2N531	100
2N532	100
2N533	100
2N534	102A
2N535	102A
2N535A	102A
2N535B	102A
2N536	102A
2N537	160
2N541	123
2N542	128
2N542A	123
2N543	123A
2N543A	123A
2N544	126A
2N544/33	126A
2N545	128
2N546	123A
2N547	128
2N548	123A
2N549	128
2N550	123A
2N551	123A
2N552	123
2N553	121
2N554	121
2N555	121
2N556	101
2N557	101
2N558	101
2N559	160
2N560	128
2N561	179
2N563	102A
2N564	102
2N565	102A
2N566	102
2N567	102A
2N568	102
2N569	102A
2N570	102
2N571	102A
2N572	100
2N573BRN	102
2N573ORN	102
2N573RED	102
2N575	213
2N575A	213
2N576	101
2N578	100
2N579	100
2N580	100
2N581	100
2N582	100
2N583	100
2N584	102A
2N585	103A
2N588	126A
2N588A	126A
2N591	102A
2N591/5	102A
2N591-6M	126A
2N591A	102A
2N592	100
2N593	100
2N594	101
2N595	101
2N596	101
2N598	100
2N599	100
2N602	126A
2N602A	126A
2N603	126A
2N603A	126A
2N604	126A
2N604A	126A
2N605	126A
2N606	126A
2N607	126A
2N608	126A
2N609	102
2N610	102
2N611	102
2N612	102
2N613	102
2N614	100
2N615	100
2N616	100
2N617	100
2N619	123A
2N620	123A
2N621	123A
2N622	123A
2N623	126A
2N624	126A
2N625	103
2N627	179
2N628	179
2N629	179
2N630	179
2N631	102
2N632	102
2N633	102
2N633B	102
2N634	101
2N634A	101
2N637	104
2N637A	104
2N638	104
2N638A	104
2N639	104
2N639A	104
2N641REDM/F	126A
2N643	126A
2N644	126A
2N645	126A
2N646	103A
2N647	103A
2N647/22	103A
2N648	103
2N649	103A
2N649/5	103A
2N653	102
2N654	102
2N655	102
2N655A	102
2N655GRN	102
2N655RED	102
2N656	128
2N657	128
2N658	100
2N659	100
2N662	100
2N663	121
2N665	121
2N669	104
2N672	176
2N677	179
2N677A	179
2N677B	179
2N677C	179
2N678	179
2N678A	179
2N678B	179
2N678C	179
2N679	101
2N680	102A
2N681	5521
2N681X	5521
2N682	5521
2N682A	5521
2N682X	5521
2N683	5522
2N683A	5522
2N683X	5522
2N684	5524
2N684A	5524
2N685	5524
2N685X	5524
2N686	5527
2N686A	5527
2N687	5527
2N687A	5527
2N687X	5527
2N688	5527
2N688A	5527
2N688X	5527
2N689	5529
2N689A	5529
2N689X	5529
2N690	5529
2N690X	5529
2N691	5531
2N691X	5531
2N692	5531
2N692X	5531
2N694	126A
2N696	123
2N696A	128
2N697	128
2N697A	128
2N697L	128
2N697S	128
2N698	396
2N699	396
2N699A,B	396
2N699L	128
2N699S	128
2N700	160
2N700/18	160
2N700A	160
2N700A/18	160
2N701	123
2N702	123A
2N703	123A
2N705	126A
2N705A	126A
2N706	123A
2N706/46	123A
2N706A	123A
2N706B	123A
2N706B46	123A
2N706C	123A
2N707	311
2N707A	123A
2N708	123A
2N708/46	123A
2N708A	123A
2N709	108
2N709/46	278
2N709/52	108
2N709A	108
2N709A46	278
2N710	126A
2N710A	126A
2N711	289A
2N711A	126A
2N711B	126A
2N715	123A
2N716A	123A
2N717	123A
2N717A	108
2N718	123A
2N718A	123A
2N719	194
2N719A	194
2N720	194
2N720A	194
2N721	159
2N721A	159
2N722	159
2N722A	159
2N723	106
2N725	126A
2N726	106
2N727	106
2N728	123
2N729	123A
2N730	123A
2N731	123A
2N734	128
2N735	128
2N735A	128
2N736	128
2N736A	128
2N736B	128
2N738	154
2N739	154
2N739A	154
2N740	154
2N740A	126A
2N741	126A
2N741A	160
2N742	123A
2N742A	123A
2N743	123A
2N743A	311
2N744	123A
2N744A	311
2N745	123A
2N746	123A
2N747	123A
2N748	123A
2N749	123A
2N750	194
2N751	123A
2N752	128
2N753	123A
2N753/46	123A
2N754	123A
2N755	128
2N756	123A
2N756A	123A
2N757	123A
2N757A	123A
2N758	123A
2N758A	123A
2N758B	123A
2N759	123A
2N759A	123A
2N759B	123A
2N760	123A
2N760A	123A
2N760B	123A
2N761	123A
2N762	123A
2N768	126A
2N769	126A
2N770	123
2N771	123
2N772	123
2N773	123
2N774	123
2N775	123
2N776	123
2N777	123
2N778	123
2N779	126A
2N779A	126A
2N779B	160
2N780	123A
2N781	126A
2N782	126A
2N783	123A
2N784	123A
2N784A	123A
2N789	123
2N790	123
2N791	123
2N792	123
2N793	123
2N794	126A
2N795	126A
2N796	126A
2N799	102
2N800	102A
2N811	100
2N812	100
2N813	102A
2N814	102A
2N817	158
2N818	158
2N819	102A
2N820	102A
2N821	101
2N822	101
2N823	101
2N824	101
2N827	126A
2N828	126A
2N828A	126A
2N829	126A
2N834	123A
2N834A	123A
2N835	123A
2N837	126A
2N838	126A
2N839	123A
2N840	123A
2N841	123A
2N842	123A
2N843	123A
2N844	123A
2N845	128
2N846	160
2N846A	126A
2N846B	160
2N849	108
2N850	108
2N851	108
2N852	108
2N858	159
2N859	159
2N860	159
2N861	159
2N862	159
2N863	159
2N864	159
2N864A	106
2N865	106
2N865A	106
2N866	123A
2N867	123A
2N869	106
2N869A	106
2N870	128
2N871	128
2N876	5400
2N877	5400
2N878	5401
2N879	5402
2N880	5404
2N881	5404
2N906	123AP◆
2N909	123A
2N910	128
2N911	128
2N912	128
2N913	123A
2N914	123A
2N914/51	108
2N914A	123A
2N915	123A
2N915A	123A
2N916	123A
2N916A	123A
2N917	161
2N917A	161
2N918	108
2N919	123A
2N920	123A
2N921	123A
2N922	123A
2N923	159
2N924	159
2N925	159
2N926	159
2N927	159
2N928	159
2N929	123A
2N929/46	123A
2N929A	123A
2N930	123A
2N930/46	123A
2N930A	123A
2N930A/46	123A
2N930B	123A
2N933	126A
2N934	126A
2N935	159
2N936	159
2N937	159
2N938	159
2N939	159
2N940	159
2N941	159
2N942	159
2N943	159
2N944	159
2N945	159
2N946	159
2N947	123A
2N956	123A
2N957	123A
2N960	126A
2N960/46	160
2N961	126A
2N962	126A
2N963	126A
2N964	126A
2N964/46	160
2N964A	126A
2N965	126A
2N966	126A
2N967	126A
2N968	160
2N969	126A
2N970	126A
2N971	126A
2N972	126A
2N973	126A
2N974	126A
2N975	126A
2N976	160
2N977	126A
2N978	106
2N979	126A
2N980	126A
2N981	128
2N982	126A
2N983	126A
2N984	126A
2N985	126A
2N986	126A
2N988	123A
2N989	123A
2N990	126A
2N991	126A
2N992	126A
2N993	126A
2N994	126A
2N995	106
2N995A	106
2N996	106
2N997	46
2N1005	108
2N1006	123
2N1007	104
2N1008	102
2N1010	103A
2N1011	179
2N1014	179
2N1020	121
2N1021	179
2N1021A	179
2N1022	179
2N1022A	179
2N1024	106
2N1025	159
2N1026	159
2N1026A	159
2N1027	159
2N1028	159
2N1029	179
2N1029A	179
2N1029B	179
2N1029C	179
2N1030	179
2N1030A	179
2N1030B	179
2N1030C	179
2N1031	179
2N1031A	179
2N1031B	179
2N1031C	179
2N1032	179
2N1032A	179
2N1032B	179
2N1032C	179
2N1033	121
2N1034	129
2N1035	129
2N1036	129
2N1037	129
2N1038	176
2N1042	126A
2N1043	126A
2N1044	102
2N1045	102
2N1046	179
2N1051	128
2N1052	154
2N1053	154
2N1054	154
2N1055	128
2N1056	102
2N1057	102
2N1058	101
2N1060	108
2N1069	130
2N1070	130
2N1073	179
2N1073A	179
2N1077	123A
2N1081	128
2N1082	123
2N1086	101
2N1086A	101
2N1087	101
2N1090	101
2N1092	128
2N1093	102
2N1094	160
2N1095	103
2N1096	103
2N1097	102
2N1098	102
2N1099	105
2N1101	103
2N1103	123A
2N1104	123A
2N1107	126A
2N1108	126A
2N1108RED	126A
2N1109	126A
2N1110	126A
2N1111	126A
2N1111A	126A
2N1111B	126A
2N1111RED	126A
2N1112	101
2N1114	101
2N1115	102A
2N1115A	160
2N1116	128
2N1117	128
2N1118	159
2N1118A	159
2N1119	159
2N1120	179
2N1121	101
2N1122	160
2N1122A	160
2N1126	102
2N1128	176
2N1130	102A
2N1131	129
2N1131/46	129
2N1131A	129
2N1132	129
2N1132/46	129
2N1132A	129
2N1132A46	129
2N1132B	129
2N1132B46	129
2N1135	159
2N1135A	159
2N1136	104
2N1136A	104
2N1137	104
2N1137A	179
2N1138	179
2N1138A	179
2N1139	123
2N1140	123A
2N1144	102
2N1145	102
2N1146	179
2N1146A	179
2N1146B	179
2N1146C	179
2N1147	179
2N1147A	179
2N1147B	179
2N1147C	179
2N1149	123AP
2N1150	123AP
2N1151	123AP
2N1152	123AP
2N1153	123AP
2N1154	194
2N1155	194
2N1156	194
2N1157	213
2N1157A	213
2N1158	126A
2N1158A	126A
2N1159	179
2N1160	179
2N1162	179
2N1162A	179
2N1163	179
2N1163A	179
2N1164	179
2N1164A	179
2N1165	179
2N1165A	179
2N1166	179
2N1166A	179
2N1167	179◆
2N1168	121
2N1169	103
2N1170	103
2N1171	100
2N1173W	103A
2N1174	102
2N1174W	176
2N1176	100
2N1182	179
2N1184	176
2N1184A	176
2N1184B	176
2N1196	159
2N1197	129
2N1198	101
2N1199	123
2N1199A	123
2N1200	123
2N1201	123
2N1204	126A
2N1204A	126A
2N1205	123
2N1207	154
2N1208	73
2N1209	73
2N1212	73
2N1213	126A
2N1214	126A
2N1215	126A
2N1216	126A
2N1217	101
2N1219	159
2N1220	159
2N1221	159
2N1222	159
2N1223	159
2N1227	104
2N1227-3	104
2N1227-4	104
2N1227-4R	104
2N1227A	104
2N1228	129
2N1229	129
2N1230	129
2N1231	129
2N1232	129
2N1233	129
2N1234	129
2N1238	106
2N1239	106
2N1240	106
2N1241	106
2N1245	104
2N1247	123
2N1248	123
2N1249	123
2N1251	103
2N1252	123
2N1253	123
2N1254	129
2N1255	129
2N1256	159
2N1257	159
2N1258	129
2N1259	129
2N1262	105
2N1264	100
2N1265	102
2N1265A	102
2N1266	126A
2N1267	123
2N1268	123
2N1269	123
2N1270	123
2N1271	123
2N1272	123
2N1273	102
2N1273BLU	102
2N1273GRN	102
2N1273ORN	102
2N1273RED	102
2N1273YEL	102
2N1274	102
2N1274BLU	102
2N1274BRN	102
2N1274GRN	102
2N1274ORN	102
2N1274PUR	102
2N1274RED	102
2N1274V10	176
2N1275	129
2N1276	123A
2N1277	123A
2N1278	123A
2N1279	123A
2N1280	100
2N1281	100
2N1282	100
2N1284	100
2N1289	101
2N1291	104
2N1293	121
2N1295	179
2N1297	179

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
2N1300	126A
2N1302	101
2N1303	102
2N1304	101
2N1305	102
2N1306	101
2N1307	100
2N1314	104
2N1314R	104
2N1315	176
2N1316	100
2N1317	100
2N1318	100
2N1319	100
2N1335	154
2N1336	154
2N1337	154
2N1338	128
2N1339	154
2N1340	154
2N1341	154
2N1342	154
2N1343	100
2N1344	100
2N1345	100
2N1346	100
2N1347	100
2N1352	102
2N1353	102
2N1354	100
2N1355	100
2N1356	100
2N1358	213
2N1358A	213
2N1358M	213
2N1359	121
2N1360	179
2N1361	100
2N1361A	100
2N1362	179
2N1363	179
2N1366	101
2N1367	101
2N1370	102
2N1372	102
2N1374	102
2N1376	102
2N1378	102
2N1379	102
2N1380	102
2N1381	102
2N1382	102
2N1383	102
2N1384	126A
2N1386	123
2N1387	123
2N1388	123A
2N1389	123A
2N1390	123
2N1391	103
2N1392	102
2N1393	100
2N1398	126A
2N1399	126A
2N1400	126A
2N1401	126A
2N1401A	126A
2N1402	126A
2N1403	160
2N1404	102
2N1404A	100
2N1405	160
2N1406	160
2N1407	160
2N1409	123
2N1409A	123A
2N1410	128
2N1410A	123A
2N1411	160
2N1412	213
2N1416	102A
2N1417	123
2N1418	123
2N1419	179
2N1420	128
2N1420A	128
2N1422	130
2N1423	130
2N1425	126A
2N1426	126A
2N1427	126A
2N1428	159
2N1429	129
2N1431	103
2N1436	160
2N1439	159
2N1440	159
2N1441	159
2N1442	159
2N1443	159
2N1444	128
2N1445	396
2N1450	126A
2N1469	100
2N1470	100
2N1471	100
2N1472	128
2N1474	159
2N1474A	159
2N1475	159
2N1478	102
2N1479	324
2N1480	324
2N1481	324
2N1482	324
2N1487	280
2N1488	280
2N1489	280
2N1490	283
2N1491	128
2N1492	128
2N1493	154
2N1499	126A
2N1499A	126A
2N1499B	126A
2N1500	126A
2N1505	123A
2N1506	123A
2N1506A	128
2N1507	128
2N1510	101
2N1515	126A
2N1516	126A
2N1517	126A
2N1517A	160
2N1518	213
2N1519	213
2N1520	28
2N1521	213
2N1522	28
2N1523	28♦
2N1524	126A
2N1524-1	160
2N1524-2	160
2N1524/33	160
2N1525	160
2N1526	126A
2N1526/33	160
2N1527	126A
2N1528	123
2N1529	179
2N1529A	179
2N1530	179
2N1531	179
2N1531A	179
2N1532	179
2N1534	179
2N1534A	179
2N1536	179
2N1537	179
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2N1539	179
2N1539A	179
2N1540	179
2N1540A	179
2N1541	179
2N1541A	179
2N1542	179
2N1542A	179
2N1543A	179
2N1544	179
2N1544A	179
2N1545	179
2N1545A	179
2N1546	179
2N1546A	179
2N1547	179
2N1547A	179
2N1549	179
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2N1550	179
2N1550A	179
2N1551	179
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2N1552	179
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2N1553	179
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2N1558	179
2N1558A	179
2N1559	179
2N1559A	179
2N1560	179
2N1560A	179
2N1561	102
2N1562	102
2N1564	128
2N1565	128
2N1566	128
2N1566A	128
2N1570	100
2N1572	154
2N1573	154
2N1574	154
2N1581	100
2N1583	100
2N1584	100
2N1586	107
2N1587	123AP
2N1588	123AP
2N1589	107
2N1590	123AP
2N1591	123AP
2N1592	107
2N1593	123AP
2N1594	123AP
2N1595	5408
2N1596	5408
2N1597	5408
2N1598	5409
2N1599	5409
2N1600	5470
2N1601	5471
2N1602	5472
2N1603	5474
2N1604	5474
2N1606	129
2N1607	159
2N1608	159
2N1613	128
2N1613/46	123A
2N1613L	128
2N1613S	128
2N1614	158
2N1615	128
2N1616	73
2N1616A	73
2N1617	73
2N1617A	73
2N1618	73
2N1618A	73
2N1623	129
2N1624	101
2N1631	126A
2N1632	126A
2N1633	126A
2N1634	126A
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2N1636	126A
2N1637	126A
2N1637/33	160
2N1638	126A
2N1639	126A
2N1639/33	160
2N1640	106
2N1641	106
2N1642	106
2N1643	159
2N1644	128
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2N1648	75
2N1649	75
2N1650	75
2N1651	179
2N1652	179
2N1654	129
2N1655	288
2N1656	288
2N1663	123
2N1665	160
2N1666	179
2N1667	121
2N1668	104
2N1669	104
2N1671	6400B
2N1673	160
2N1674	123A
2N1676	159
2N1677	159
2N1681	102
2N1682	123
2N1683	126A
2N1684	100
2N1685	101
2N1694	101
2N1699	126A
2N1700	128
2N1702	283
2N1703	130
2N1704	123A
2N1705	102
2N1706	102
2N1707	102
2N1708	123A
2N1708A	123A
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2N1711S	128
2N1713	126A
2N1714	128
2N1715	396
2N1716	128
2N1717	396
2N1724	73
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2N1725	73
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2N1727	126A
2N1728	126A
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2N1730	101
2N1731	100
2N1732	101
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2N1743	126A
2N1744	126A
2N1745	126A
2N1746	126A
2N1747	126A
2N1748	126A
2N1748A	126A
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2N1752	126A
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2N1843B	5501
2N1843X	5501
2N1844	5502
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2N1844AX	5502
2N1844B	5502
2N1844X	5502
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2N1845B	5504
2N1846	5504
2N1846A	5504
2N1846AX	5504
2N1846B	5504
2N1846X	5504
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2N1847B	5507
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2N1848B	5507
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2N1849B	5507
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2N1850AX	5509
2N1850B	5509
2N1850X	5509
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2N1854	126A
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2N1864	126A
2N1865	126A
2N1868	126A
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2N1890	128
2N1891	101
2N1892	102
2N1893	154
2N1893/46	154
2N1893A	154
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2N1893S	128
2N1905	127
2N1907	179
2N1907A	179
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2N1920	159
2N1921	159
2N1922	129
2N1923	128
2N1929	5400
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2N1933	5483
2N1940	100
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2N1942	100
2N1943	128
2N1944	123A
2N1945	123A
2N1946	123A
2N1947	123A
2N1948	123A
2N1949	123A
2N1950	123A
2N1951	123A
2N1952	123A
2N1953	128
2N1958	128
2N1958A	128
2N1959	128
2N1959A	128
2N1960	160
2N1960/46	160
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2N1962	123A
2N1963	123A
2N1964	123A
2N1965	123A
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2N1971	121
2N1972	128
2N1973	128
2N1974	128
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2N1985	128
2N1986	128
2N1987	128
2N1988	128
2N1989	128
2N1990	128
2N1990R	128
2N1990S	128
2N1991	159
2N1992	123A
2N1993	103
2N1994	101
2N1995	101
2N1996	101
2N2001	102
2N2002	159
2N2003	159
2N2004	159
2N2005	159
2N2006	159
2N2007	159
2N2008	154
2N2017	128
2N2022	160
2N2032	108
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2N2062A	104
2N2063	104
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2N2065	104
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2N2066	104
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2N2077	213
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2N2081	213
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2N2082	213
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2N2090	126A
2N2091	126A
2N2092	126A
2N2093	126A
2N2094	128
2N2094A	128
2N2095A	128
2N2096A	123A
2N2097A	123A
2N2098	160
2N2099	126A
2N2102	128
2N2102L	128
2N2102S	128
2N2104	159
2N2105	159
2N2106	128
2N2107	128
2N2108	128
2N2121	159
2N2137	104
2N2137A	104
2N2138	104
2N2138A	104
2N2139	104
2N2139A	104
2N2140	104
2N2140A	104
2N2142	104
2N2142A	104
2N2143	104
2N2143A	104
2N2144	104
2N2144A	104
2N2145	104
2N2145A	104
2N2147	121
2N2148	121
2N2150	75
2N2151	75
2N2152	213
2N2152A	213
2N2153	213
2N2153A	213
2N2154	213
2N2154A	213
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2N2156	213
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2N2159	213
2N2159A	213
2N2160	6400B
2N2161	128
2N2162	159
2N2163	159
2N2164	159
2N2165	159
2N2166	159
2N2167	159
2N2168	126A
2N2169	126A
2N2170	126A
2N2172	100
2N2173	176
2N2175	106
2N2176	106
2N2177	106
2N2178	159
2N2180	126A
2N2181	159
2N2182	159
2N2183	159
2N2184	159
2N2185	159
2N2186	159
2N2187	159
2N2188	126A
2N2189	126A
2N2192	128
2N2192A	128
2N2192B	128
2N2193	128
2N2193A	128
2N2193B	128
2N2194	128
2N2194A	128
2N2194B	128
2N2195	128
2N2195A	128
2N2195B	128
2N2196	224
2N2197	108
2N2198	128
2N2199	126A
2N2200	126A
2N2205	123A
2N2206	123A
2N2209	102
2N2210	105
2N2217	128
2N2218	128
2N2218A	128
2N2219	128
2N2219A	123A
2N2220	123A
2N2220A	123A
2N2221	123A
2N2221A	123A
2N2222	123A
2N2222/A	123A
2N2222A	123A
2N2223A	81♦
2N2224	123A
2N2225	126A
2N2234	123
2N2235	123
2N2236	123A
2N2237	123A
2N2238	160
2N2240	123
2N2241	123
2N2242	123A
2N2243	128
2N2243A	128
2N2244	123A
2N2245	123A
2N2246	123A
2N2247	123A
2N2248	123A
2N2249	123A
2N2250	123A
2N2251	286
2N2252	286
2N2253	123A
2N2254	123A
2N2255	123A
2N2256	123A
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2N2270L	128
2N2270S	128
2N2271	102
2N2272	123A
2N2273	126A
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2N2275	159
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2N2278	159
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2N2281	159
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2N2286	179
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2N2289	179
2N2290	179
2N2291	179
2N2292	179
2N2294	121
2N2295	121
2N2297	128
2N2299	159
2N2303	159
2N2309	123
2N2310	287
2N2311	287
2N2313	287
2N2314	123A
2N2315	123A
2N2316	287
2N2317	128
2N2318	123A
2N2319	123A
2N2320	123A
2N2330	123
2N2331	123A
2N2332	159
2N2333	159
2N2334	159
2N2335	159
2N2336	159
2N2337	159
2N2349	123A
2N2350	128
2N2350A	128
2N2351	128
2N2351A	128
2N2352	128
2N2352A	128
2N2353	128
2N2353A	128
2N2354	103
2N2363	160
2N2364	396
2N2364A	396
2N2368	123A
2N2368A	123A
2N2369	123A
2N2369/46	123A
2N2369A	123A
2N2369/A	123A
2N2370	159
2N2371	159
2N2372	159
2N2373	159
2N2376	102
2N2377	159
2N2378	159
2N2380	128
2N2380A	128
2N2381	126A
2N2386	460
2N2386A	460
2N2393	159
2N2394	159
2N2397	123
2N2400	126A
2N2401	126A
2N2402	126A
2N2405	282§
2N2405L	282§
2N2405S	128
2N2406	176
2N2410	128
2N2411	159
2N2412	159
2N2413	123A
2N2415	160
2N2416	160
2N2417	123A
2N2423	179
2N2424	159
2N2425	159
2N2427	123A
2N2428	102A
2N2429	102A
2N2430	103A
2N2431	158
2N2432	123A
2N2433	128
2N2434	128
2N2435	287
2N2436	287
2N2437	287
2N2438	287
2N2439	287
2N2440	154
2N2443	154
2N2446	179
2N2447	102A
2N2448	102A
2N2449	102A
2N2450	102A
2N2451	126A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2N2453	81
2N2454	5474
2N2455	160
2N2456	160
2N2459	287
2N2460	287
2N2461	287
2N2462	287
2N2463	128
2N2464	128
2N2465	128
2N2466	128
2N2468	102
2N2469	102
2N2475	108
2N2476	123A
2N2477	123A
2N2479	128
2N2480	81
2N2480A	81
2N2481	123A
2N2483	123A
2N2484	123A
2N2487	126A
2N2488	126A
2N2489	126A
2N2489A	128
2N2490	213
2N2491	213
2N2492	213
2N2493	213
2N2497	326
2N2498	460
2N2501	123A
2N2509	154
2N2510	128
2N2511	128
2N2514	123A
2N2515	123A
2N2516	128
2N2517	287
2N2518	287
2N2519	287
2N2520	287
2N2521	287
2N2522	287
2N2523	123A
2N2524	123A
2N2526	179
2N2529	123A
2N2530	123A
2N2531	123A
2N2532	123A
2N2533	123A
2N2534	123A
2N2537	128
2N2538	128
2N2539	123A
2N2540	123A
2N2540A	195A
2N2541	176
2N2551	288
2N2569	123A
2N2570	123A
2N2571	123A
2N2572	123A
2N2586	123A
2N2587	160
2N2588	126A
2N2590	129
2N2591	129
2N2592	129
2N2593	129
2N2594	128
2N2595	159
2N2596	159
2N2597	159
2N2598	288
2N2599	288
2N2599A	288
2N2600	288
2N2600A	288
2N2601	159
2N2602	159
2N2603	159
2N2604	159
2N2605	159
2N2605A	159
2N2608(SGD)	326
2N2609	460
2N2610	107
2N2612	179
2N2613	102A
2N2615	108
2N2616	108
2N2617	123AP
2N2618	154
2N2619	5476
2N2621	126A
2N2622	126A
2N2623	126A
2N2624	126A
2N2625	126A
2N2626	126A
2N2627	126A
2N2628	126A
2N2629	126A
2N2630	126A
2N2632	74
2N2633	74♦
2N2635	126A
2N2636	179
2N2637	179
2N2638	179
2N2639	81♦
2N2640	81♦
2N2641	81
2N2642	81♦
2N2643	81♦
2N2644	81
2N2645	123A
2N2646	6401
2N2647	6409
2N2648	100
2N2651	123A
2N2653	5474
2N2654	160
2N2656	123A
2N2671	160
2N2672	176
2N2672A	160
2N2672BLK	160
2N2672GRN	160
2N2673	123A
2N2674	123A
2N2675	123A
2N2676	123A
2N2677	123A
2N2678	123A
2N2679	5400
2N2680	5401
2N2680A	5401
2N2687	5400
2N2688	5401
2N2689	5402
2N2690	5404
2N2691	179
2N2691A	179
2N2692	123A
2N2693	123A
2N2695	159
2N2696	159
2N2699	101
2N2706	158
2N2707	158
2N2708	316
2N2709	159
2N2710	311
2N2711	108
2N2712	289A
2N2713	289A
2N2714	289A
2N2715	107
2N2716	107
2N2717	126A
2N2718	126A
2N2719	123A
2N2720	81♦
2N2721	81♦
2N2722	81
2N2729	311
2N2771	70
2N2783	126A
2N2784	108
2N2784/46	278
2N2784/52	108
2N2786	160
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2N2788	128
2N2789	128
2N2789S	128
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2N2791	123A
2N2792	123A
2N2795	126A
2N2796	126A
2N2797	160
2N2798	160
2N2799	160
2N2800	129
2N2800/46	159
2N2801	159
2N2801/46	129
2N2802	82♦
2N2803	82♦
2N2804	82
2N2805	82♦
2N2806	82♦
2N2807	82
2N2811	73
2N2812	73
2N2813	73
2N2814	73
2N2815	71
2N2816	71♦
2N2819	70
2N2820	70
2N2821	70
2N2823	70
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2N2838	159
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2N2846	123A
2N2847	123A
2N2848	123A
2N2849	282§
2N2849-1	282§
2N2849-2	74♦
2N2850	282§
2N2850-2	74♦
2N2851	282§
2N2851-1	282§
2N2851-2	74♦
2N2852	282§
2N2852-1	282§
2N2852-2	74
2N2853	282§
2N2853-1	282§
2N2855	282§
2N2855-1	282§
2N2856	282§
2N2856-1	282§
2N2857	316
2N2860	160
2N2861	159
2N2862	159
2N2863	128
2N2864	128
2N2865	161
2N2868	128
2N2869	179
2N2869/2N301	179
2N2870	121
2N2873	160
2N2877	75
2N2878	75
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2N2880	75
2N2883	123A
2N2884	123A
2N2888	5524
2N2889	5527
2N2890	128
2N2891	128
2N2892	74
2N2893	74
2N2894	159
2N2894A	159
2N2895	128
2N2896	282§
2N2897	128
2N2898	396
2N2899	396
2N2900	128
2N2903	81
2N2903A	81
2N2904	129
2N2904A	129
2N2905	129
2N2905A	129
2N2906	159
2N2906A	159
2N2907	159
2N2907A	159
2N2909	128
2N2913	81
2N2915	81
2N2915A	81
2N2917	81
2N2919	81♦
2N2919A	81♦
2N2921	289A
2N2922	289A
2N2923	289A
2N2924	289A
2N2924-18	123A
2N2925	289A
2N2926	289A
2N2926-6	289A
2N2926G	289A
2N2926GRN	289A
2N2926ORN	289A
2N2927	159
2N2927/46	159
2N2928	160
2N2929	160
2N2930	102
2N2931	199
2N2932	199
2N2933	199
2N2934	199
2N2935	199
2N2938	123A
2N2939	128
2N2940	396
2N2941	396
2N2943	160
2N2944	159
2N2944A	159
2N2945	159
2N2945A	159
2N2946	159
2N2946A	159
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2N3777	323
2N3778	129

♦, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
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2N4922	184
2N4923	184
2N4924	282§
2N4925	154
2N4926	154
2N4927	154
2N4928	129
2N4930	397
2N4931	397
2N4931S	397
2N4934	316
2N4935	311
2N4936	311
2N4943	128
2N4944	128
2N4945	194
2N4946	128
2N4948	6409
2N4951	123AP
2N4952	123AP
2N4953	123AP
2N4954	289A
2N4957	395
2N4958	395
2N4959	395
2N4960	128
2N4961	128
2N4962	128
2N4963	128
2N4964	159
2N4965	159
2N4966	123A
2N4967	199
2N4968	123A
2N4969	123A
2N4970	123A
2N4971	159
2N4972	159
2N4982	159
2N4983	6404
2N4987	6404
2N4990	6404
2N4991	6403
2N4993	6403
2N4994	123AP
2N4995	123AP
2N4996	108
2N4997	108
2N5006	72
2N5008	72
2N5022	129
2N5023	129
2N5024	316
2N5031	161
2N5032	161
2N5033	326
2N5034	390
2N5035	390
2N5036	390
2N5037	390
2N5038	327
2N5038-1	327
2N5039	327
2N5039-1	327
2N5040	129
2N5041	129
2N5042	129
2N5045	312
2N5046	312
2N5047	461
2N5048	73◆
2N5049	73
2N5050	384
2N5051	384
2N5052	384
2N5053	316
2N5054	316
2N5058	154
2N5059	154
2N5060	5400
2N5061	5401
2N5062	5402
2N5063	5404
2N5064	5404
2N5067	280
2N5068	280
2N5069	280
2N5073	154
2N5074	95
2N5075	95
2N5076	95
2N5077	95
2N5078	452
2N5081	123A
2N5082	123A
2N5086	159
2N5087	159
2N5088	47
2N5089	47
2N5107	123A
2N5109	278
2N5110	129
2N5111	129
2N5126	161
2N5127	123A
2N5128	123A
2N5129	123A
2N5130	161
2N5131	123AP
2N5132	161
2N5133	161
2N5134	123A
2N5135	123
2N5136	123
2N5137	123A
2N5138	159
2N5139	159
2N5140	106
2N5141	106
2N5142	159
2N5143	159
2N5145	123A
2N5156	179
2N5157	283
2N5163	312
2N5164	5514
2N5165	5514
2N5166	5515
2N5167	5516
2N5168	5521
2N5169	5524
2N5171	5529
2N5172	289A
2N5174	289A
2N5175	194
2N5176	154
2N5179	316
2N5180	161
2N5181	161
2N5182	161
2N5183	123
2N5186	123A
2N5187	123A
2N5188	128
2N5189	282§
2N5190	184
2N5191	184
2N5192	184
2N5193	185
2N5194	185
2N5195	185
2N5196	461
2N5197	461
2N5198	461
2N5199	461
2N5200	278
2N5201	278
2N5202	384
2N5204	5547
2N5208	395
2N5209	123AP
2N5210	123AP
2N5211	128
2N5218	73
2N5219	123AP
2N5220	123AP
2N5221	290A
2N5222	229
2N5223	123AP
2N5224	123AP
2N5225	123AP
2N5226	159
2N5227	159
2N5228	106
2N5232	199
2N5232A	199
2N5233	297
2N5234	297
2N5235	297
2N5236	311
2N5239	94
2N5240	94
2N5241	283
2N5242	129
2N5243	129
2N5245	312
2N5246	312
2N5247	312
2N5248	312
2N5249	199
2N5249A	199
2N5264	385
2N5272	311
2N5273	5683
2N5274	5685
2N5275	5697
2N5277	312
2N5281	397
2N5282	397
2N5288	72
2N5289	72
2N5291	397
2N5292	311
2N5293	152
2N5294	196
2N5295	152
2N5296	152
2N5297	196
2N5298	152
2N5301	181
2N5302	181
2N5303	181
2N5305	172A
2N5306	172A
2N5307	172A
2N5308	172A
2N5308A	172A
2N5309	289A
2N5310	289A
2N5311	289A
2N5313	73◆
2N5315	73◆
2N5317	72◆
2N5319	72◆
2N5320	282§
2N5320HS	192
2N5321	282§
2N5322	323
2N5331	70◆
2N5346	96
2N5347	96
2N5348	96
2N5349	96
2N5352	106
2N5354	290A
2N5355	290A
2N5356	159
2N5365	159
2N5366	159
2N5367	159
2N5368	123AP
2N5369	123AP
2N5370	123AP
2N5371	123AP
2N5372	159
2N5373	159
2N5374	159
2N5375	159
2N5376	123AP
2N5377	123AP
2N5378	159
2N5379	159
2N5380	123AP
2N5381	123AP
2N5382	159
2N5383	159
2N5385	75
2N5397	452
2N5398	452
2N5399	311
2N5400	288
2N5401	288
2N5415	397
2N5416	397
2N5417	123A
2N5418	289A
2N5419	289A
2N5420	289A
2N5421	346
2N5427	377◆
2N5428	377◆
2N5429	377◆
2N5430	377◆
2N5441	5688
2N5442	5689
2N5443	5690
2N5444	5693
2N5445	5695
2N5446	5697
2N5447	159
2N5448	159
2N5449	123A
2N5450	128
2N5451	128
2N5452	461
2N5453	461
2N5454	461
2N5455	129
2N5457	457
2N5458	457
2N5459	459
2N5460	326
2N5461	326
2N5462	326
2N5463	326
2N5464	326
2N5466	283
2N5467	283
2N5477	74
2N5478	74
2N5479	74
2N5480	74
2N5484	312
2N5485	451
2N5485-1	451
2N5486	312
2N5490	196
2N5491	196
2N5492	196
2N5493	196
2N5494	196
2N5495	196
2N5496	196
2N5497	196
2N5525	172A
2N5526	172A
2N5539	70
2N5542	73◆
2N5543	459
2N5544	459
2N5545	461
2N5546	461
2N5547	461
2N5549	312◆
2N5550	194
2N5551	194
2N5555	467
2N5567	5688
2N5568	5689
2N5569	5673
2N5570	5675
2N5571	5688
2N5572	5689
2N5573	5673
2N5574	5675
2N5589	347

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2N5590	349
2N5591	351
2N5592	459
2N5593	459
2N5594	459
2N5604	175
2N5614	328
2N5616	328
2N5618	123AP
2N5620	328
2N5622	328
2N5624	328
2N5626	328
2N5628	328
2N5629	60
2N5630	60
2N5631	60
2N5632	385
2N5633	385
2N5634	385
2N5638	467
2N5639	467
2N5641	357
2N5642	359
2N5643	360
2N5644	362
2N5645	363
2N5646	364
2N5650	316
2N5651	316
2N5652	316
2N5653	467
2N5654	467
2N5655	157
2N5656	157
2N5657	2327
2N5660	369
2N5668	457
2N5671	327
2N5672	327
2N5679	323
2N5680	323
2N5682	324
2N5683	30
2N5683(PA)	30
2N5684	30
2N5685	29
2N5686	29
2N5687	346
2N5689	337
2N5690	338
2N5697	486
2N5698	362
2N5702	311
2N5711	357
2N5712	359
2N5713	359
2N5718	457
2N5731	72
2N5733	70
2N5738	281
2N5745	180
2N5754	5640
2N5755	5641
2N5756	5642
2N5757	5643
2N5758	385
2N5759	385
2N5760	385
2N5769	123AP
2N5770	108
2N5771	217
2N5772	123AP
2N5777	3035A
2N5778	3035A
2N5779	3035A
2N5780	3035A
2N5784	282§
2N5785	282§
2N5786	282§
2N5787	5400
2N5788	5401
2N5789	5402
2N5790	5404
2N5794	81
2N5794G	81
2N5796	82
2N5796G	82
2N5804	283
2N5805	283
2N5806	5543
2N5807	5545
2N5808	5547
2N5809	5697
2N5810	123AP
2N5811	159
2N5812	123AP
2N5814	123AP
2N5816	123AP
2N5817	159
2N5818	128
2N5820	123AP
2N5820HS	192
2N5821	129
2N5821HS	193
2N5822	123AP
2N5824	123AP
2N5825	123AP
2N5826	123AP
2N5827	123AP
2N5827A	123AP
2N5828	123AP
2N5828A	123AP
2N5829	395
2N5830	287
2N5831	287
2N5832	287
2N5833	287
2N5834	129
2N5838	94
2N5839	94
2N5840	389
2N5845	123AP
2N5845A	123AP
2N5846	282§
2N5847	337
2N5848	338
2N5849	339
2N5851	161
2N5852	161
2N5855(EBC)	298
2N5856	128
2N5857	159
2N5864	323
2N5865	129
2N5869	283
2N5870	283
2N5871	281
2N5874	280
2N5875	285
2N5876	285
2N5877	284
2N5878	284
2N5879	285
2N5880	285
2N5881	328
2N5882	328
2N5883	30
2N5883(Audio)	180
2N5884	30
2N5884(Audio)	180
2N5885	29
2N5885(AUDIO)	181
2N5886	29
2N5886(AUDIO)	181
2N5913	472
2N5914	362
2N5915	364
2N5941	471♦
2N5942	471♦
2N5943	77
2N5943YG	77
2N5944	362
2N5945	363
2N5946	364
2N5947	76
2N5953	312
2N5961	123AP
2N5962	123AP
2N5963	123AP
2N5965	154
2N5970	284
2N5971	284
2N5972	284
2N5973	284
2N5974	183
2N5975	183
2N5976	183
2N5977	182
2N5978	182
2N5979	182
2N5980	183
2N5981	183
2N5982	183
2N5983	182
2N5984	182
2N5985	182
2N5986	183
2N5987	183
2N5994	360
2N5996	350
2N5998	289A
2N5999	290A
2N6000	123AP
2N6002	123AP
2N6005	159
2N6006	123AP
2N6008	289A
2N6010(EBC)	293
2N6012(EBC)	293
2N6014(EBC)	293
2N6016(EBC)	293
2N6021	153
2N6022	292
2N6023	292
2N6024	292
2N6025	292
2N6026	292
2N6027	6402
2N6028	6402
2N6029	61
2N6030	61
2N6031	61
2N6034	254
2N6035	254
2N6036	254
2N6037	253
2N6038	253
2N6039	253
2N6040	262
2N6041	262
2N6042	262
2N6043	261
2N6044	261
2N6045	261
2N6049	242♦
2N6050	248
2N6051	248
2N6052	248
2N6053	244
2N6054	244
2N6055	243
2N6056	243
2N6057	247
2N6058	247
2N6059	247
2N6067	159
2N6068	5601
2N6069	5601
2N6070	5602
2N6071	5603
2N6072	5605
2N6073	5605
2N6074	5607
2N6075	5607
2N6076(ECB)	159
2N6077	384
2N6078	384
2N6079	384
2N6080	348
2N6081	350
2N6082	351
2N6083	351
2N6084	320
2N6093	471
2N6094	353
2N6095	354
2N6096	355
2N6097	356
2N6098	377
2N6099	331
2N6100	331
2N6101	331
2N6102	331
2N6103	331
2N6106	197
2N6107	197
2N6108	197
2N6109	153
2N6110	197
2N6111	197
2N6121	377
2N6122	377
2N6123	377
2N6124	378
2N6125	378
2N6126	378
2N6128	72♦
2N6129	196
2N6130	196
2N6131	196
2N6132	197
2N6133	197
2N6134	197
2N6135	76
2N6139	5667A
2N6140	5667A
2N6141	5667A
2N6145	56022
2N6146	56024
2N6147	56026
2N6151	5614
2N6152	5616
2N6153	5618
2N6154	5624
2N6155	5626
2N6156	5628
2N6157	5688
2N6158	5689
2N6159	5690
2N6160	5693
2N6161	5695
2N6162	5697
2N6163	56022
2N6164	56024
2N6165	56026
2N6167	5562
2N6168	5562
2N6169	5564
2N6170	5566
2N6171	5562
2N6172	5562
2N6173	5564
2N6174	5566
2N6175	228A
2N6176	228A
2N6177	228A
2N6198	357
2N6199	359
2N6200	360
2N6211	38
2N6212	38
2N6213	38
2N6215	70
2N6222	159
2N6224	159
2N6226	285
2N6227	285
2N6228	285
2N6229	285
2N6230	285
2N6231	285
2N6233	384
2N6234	384
2N6235	384
2N6236	5411
2N6237	5412
2N6238	5413
2N6239	5414
2N6240	5415
2N6241	5416
2N6246	219
2N6247	219
2N6248	285
2N6249	53
2N6250	386
2N6251	386
2N6253	130
2N6254	130
2N6257	181
2N6260	175
2N6261	384
2N6262	284
2N6263	175
2N6264	175
2N6274	387
2N6275	387
2N6277	387
2N6278	70
2N6279	70
2N6280	70
2N6281	70
2N6282	251
2N6283	251
2N6284	251
2N6285	250
2N6286	252
2N6287	252
2N6288	152
2N6289	152
2N6290	152
2N6291	196
2N6292	196
2N6293	196
2N6294	274
2N6295	274
2N6296	275
2N6297	275
2N6298	262
2N6299	262
2N6300	261
2N6301	261
2N6302	284
2N6304	316
2N6305	316
2N6306	283
2N6307	283
2N6308	283
2N6312	332♦
2N6313	332♦
2N6314	332♦
2N6315	377♦
2N6316	377♦
2N6317	378♦
2N6318	378♦
2N6326	181
2N6327	181
2N6328	181
2N6329(AUDIO)	180
2N6338	327
2N6339	327
2N6340	327
2N6341	327
2N6342	56004
2N6342A	56004
2N6343	56006
2N6343A	56006
2N6344	56008
2N6344A	56008
2N6345	56010
2N6345A	56010
2N6346	56004
2N6346A	56004
2N6347	56006
2N6347A	56006
2N6348	56008
2N6348A	56008
2N6349	56010
2N6349A	56010
2N6354	328
2N6355	251
2N6356	251
2N6357	247
2N6358	251
2N6359	284
2N6360	284
2N6371	130
2N6372	384
2N6373	384
2N6374	384
2N6375	195A
2N6383	245
2N6384	245
2N6385	245
2N6386	263
2N6387	263
2N6388	263
2N6389	316
2N6394	5550
2N6395	5552♦
2N6396	5552♦
2N6397	5554♦
2N6398	5556♦
2N6399	5558♦
2N6400	5550♦
2N6401	5552♦
2N6402	5552♦
2N6403	5554♦
2N6404	5556♦
2N6405	5558♦
2N6420	38
2N6421	38
2N6422	38
2N6423	38
2N6426	46
2N6427	46
2N6428	123AP
2N6428A	123AP
2N6429	123AP
2N6429A	123AP
2N6430	396
2N6431	396
2N6432	288
2N6433	288
2N6458	328
2N6459	335
2N6467	292
2N6468	292
2N6469	219
2N6470	130
2N6471	130
2N6472	130♦
2N6473	291
2N6474	291
2N6475	292
2N6476	292
2N6477	379
2N6478	379
2N6486	331
2N6487(Switch)	331♦
2N6488(Audio)	331
2N6488(Switch)	331♦
2N6489(Audio)	332
2N6489(Switch)	332♦
2N6490(Audio)	332
2N6490(Switch)	332♦
2N6491(Audio)	332
2N6491(Switch)	332♦
2N6492	243
2N6493	243
2N6494	243
2N6496	328
2N6497	379
2N6498	379
2N6499	379
2N6504	5550
2N6505	5552
2N6506	5552
2N6507	5554
2N6508	5556
2N6509	5558
2N6510	53
2N6511	53
2N6512	53
2N6513	53
2N6514	53
2N6515	287
2N6516	287
2N6518	288
2N6519	288
2N6530	263
2N6531	261
2N6532	261
2N6533	2343
2N6534	261♦
2N6535	261♦
2N6536	261♦
2N6538	123AP
2N6539	123AP
2N6542	283
2N6543	283
2N6544	283
2N6545	53
2N6546	53
2N6547	53
2N6548	268
2N6549	268
2N6551	49
2N6552	49
2N6553	49
2N6554	50
2N6555	50
2N6556	50
2N6557	171
2N6558	171
2N6569	130
2N6573	283
2N6574	386
2N6575	386
2N6576	249
2N6577	249
2N6578	2349
2N6582	385
2N6583	385
2N6591	171
2N6592	171
2N6593	171
2N6594	219
2N6601	161
2N6609	285
2N6648	246
2N6649	246
2N6650	246
2N6666	264
2N6667	264
2N6668	264
2N6669	331
2N6671	2319
2N6672	2319
2N6673	2319
2N6674	2319
2N6675	2319
2N6676	53
2N6677	53
2N6678	53
2N6705	24
2N6706	24
2N6707	24
2N6708	25
2N6709	25
2N6710	25
2N6711	399
2N6712	399
2N6713	399
2N6714	216
2N6715	216♦
2N6716	216♦
2N6717	128P
2N6718	128P♦
2N6719	227
2N6720	255
2N6721	255
2N6722	255
2N6723	255
2N6724	48
2N6725	48
2N6726	129P♦
2N6727	129P♦
2N6728	129P
2N6729	129P
2N6730	129P♦
2N6731	128P♦
2N6732	129P
2N6733	227
2N6734	227
2N6735	227
2N6751	2319
2N6752	2319
2N6763	2392♦
2N19616	160
2N51422	159
2NJ5A	100
2NJ6	100
2NJ8A	100
2NJ9A	102
2NJ9D	102
2NJ33B	312
2NJ50	126A
2NJ51	126A
2NJ52	126A
2NJ53	126A
2NJ233B	312
2NS31	102
2NS32	102
2NS121	102
2NSM-1	125
2OA90	110MP
2-OA90	110MP
2-OA90MFV	110MP
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2S743A	154
2S744	123
2S744A	123A
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2S746A	154
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2SA525	160
2SA525A	160
2SA525B	160
2SA530	159
2SA530H	159
2SA532	129
2SA532A	129
2SA532B	129
2SA532C	129
2SA532D	129
2SA532E	129
2SA532F	129
2SA537	129
2SA537A	129
2SA537AA	129
2SA537AB	129
2SA537AC	129
2SA537AH	129
2SA537B	129
2SA537C	129
2SA537H	129
2SA538	102A
2SA539	290A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2SA539AS	290A
2SA539K	290A
2SA539L	290A
2SA539M	290A
2SA539S	290A
2SA544	129
2SA545	193A
2SA545GRN	193A
2SA545K	193A
2SA545KLM	193A
2SA545L	193A
2SA545LM	193A
2SA545M	193A
2SA546	129
2SA546A	129
2SA546AA	129
2SA546AB	129
2SA546AD	129
2SA546AE	129
2SA546AF	129
2SA546AH	129
2SA546AI	129
2SA546AJ	129
2SA546AK	129
2SA546AL	129
2SA546B	129
2SA546D	129
2SA546E	129
2SA546F	129
2SA546H	129
2SA546I	129
2SA546J	129
2SA547	427/129
2SA547A	427/129
2SA547AA	427/129
2SA547AB	427/129
2SA547AD	427/129
2SA547AE	427/129
2SA547AF	427/129
2SA547AH	427/129
2SA547AI	427/129
2SA547AJ	427/129
2SA547B	427/129
2SA547D	427/129
2SA547E	427/129
2SA547F	427/129
2SA547H	427/129
2SA547I	427/129
2SA547J	427/129
2SA548	159
2SA548A	159
2SA548B	159
2SA548C	159
2SA549A	288
2SA549AH	288
2SA550	159
2SA550A	159
2SA550AO	159
2SA550AP	159
2SA550AQ	159
2SA550AR	159
2SA550AS	159
2SA550O	159
2SA550P	159
2SA550Q	159
2SA550R	159
2SA550S	159
2SA551	129
2SA551C	129
2SA551D	129
2SA551E	129
2SA552	129
2SA553	159
2SA554	159
2SA554A	159
2SA555	290A
2SA556	290A
2SA558	159
2SA559	159
2SA559A	159
2SA560	129
2SA561	159
2SA561GR	290A ◆
2SA561-O	290A
2SA561R	290A
2SA561-R	290A
2SA561-Y	290A
2SA561Y	290A
2SA562	290A
2SA562-0	290A
2SA562G	290A
2SA562GR	290A ◆
2SA562O	290A
2SA562-O	290A
2SA562Q	290A
2SA562R	290A
2SA562T	290A
2SA562TH-O	290A
2SA562TM	290A
2SA562-TM	290A
2SA562TM-0	290A
2SA562TML	290A
2SA562TM-O	290A
2SA562TM-OFA	290A
2SA562TM-Y	290A
2SA562TM-YFA	290A
2SA562TO	290A
2SA562T-O	290A
2SA562TQ	290A
2SA562Y	290A
2SA562-Y	290A
2SA562YTM	290A
2SA562Y-TM	290A
2SA564	290A
2SA564-0	290A
2SA564A	290A
2SA564A2	290A
2SA564ABQ	290A
2SA564AO	290A
2SA564AP	290A
2SA564AQ	290A
2SA564AQGD	290A
2SA564AR	290A
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2SA564AT	234
2SA564D	290A
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2SA564FR	290A
2SA564G	290A
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2SA564J	290A
2SA564O	290A
2SA564-O	290A
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2SA564POR	290A
2SA564PQ	290A
2SA564PQR	290A
2SA564Q	290A
2SA564-Q	290A
2SA564QGD	290A
2SA564QHD	290A
2SA564QR	290A
2SA564R	290A
2SA564S	234
2SA564T	234
2SA564Y	290A
2SA565	159
2SA565A	159
2SA565B	159
2SA565C	159
2SA565D	159
2SA565K	159
2SA566	218
2SA566A	218
2SA566B	218
2SA566C	218 ◆
2SA566H	218
2SA566HA	218
2SA566HB	218
2SA567	159
2SA567A	159
2SA567B	159
2SA567C	159
2SA567D(ECB)	234
2SA568	290A
2SA568-0R	290A
2SA568B	290A
2SA568C	290A
2SA568D	290A
2SA568E	290A
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2SA568G	290A
2SA568GN	290A
2SA568H	290A
2SA568J	290A
2SA568K	290A
2SA568L	290A
2SA568M	290A
2SA568R	290A
2SA568X	290A
2SA568Y	290A
2SA569	290A
2SA569J	290A
2SA570	290A
2SA571	129 ◆
2SA572	234
2SA573	290A
2SA573A	290A
2SA573D	290A
2SA575	290A
2SA575K	290A
2SA575L	290A
2SA578(EBC)	234
2SA578A(EBC)	234
2SA578B(EBC)	234
2SA578C(EBC)	234
2SA579(EBC)	234
2SA579A(EBC)	234
2SA579B(EBC)	234
2SA579C(EBC)	234
2SA580	129
2SA580B	129
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2SA581Y	129
2SA592Y	159
2SA594	129
2SA594-O	129
2SA594-R	129
2SA594-Y	129
2SA597	129 ◆
2SA603	159
2SA604	129
2SA606	129
2SA606S	129
2SA607	427/129
2SA607A	427/129
2SA607B	427/129
2SA607C	427/129
2SA607D	427/129
2SA607K	427/129
2SA607L	427/129
2SA607M	427/129
2SA607N	427/129
2SA607S	427/129
2SA607SA	427/129
2SA607SB	427/129
2SA607SC	427/129
2SA607SD	427/129
2SA608	290A
2SA608A	290A
2SA608AE	290A
2SA608AF	290A
2SA608B	290A
2SA608C	290A
2SA608-C	290A
2SA608-D	290A
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2SA608E	290A
2SA608-E	290A
2SA608E-NP	290A
2SA608F	290A
2SA608-F	290A
2SA608F-NF	290A
2SA608F-NP	290A
2SA608G	290A
2SA608K	290A
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2SA608KE	290A
2SA608KF	290A
2SA608KG	290A
2SA608KNP	290A
2SA608KNPD	290A
2SA608KNPE	290A
2SA608KNPF	290A
2SA608KNPG	290A
2SA608NP-T	290A
2SA608SP	290A
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2SA609A(ECB)	159
2SA609B(ECB)	159
2SA609C(ECB)	159
2SA609D(ECB)	159
2SA609E(ECB)	159
2SA609F(ECB)	159
2SA609G(ECB)	159
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2SA611	290A
2SA611-4E	290A
2SA612	129
2SA613	218
2SA614	218
2SA616	218
2SA616(2)	218
2SA616(1)	218
2SA617K	159
2SA618K	159
2SA620	290A
2SA620WL	290A
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2SA623-0	307
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2SA627	88
2SA627K	88
2SA627L	88
2SA627M	88
2SA627N	88
2SA628(BCE)	290A
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2SA628AC(BCE)	290A
2SA628AD(BCE)	290A
2SA628AE(BCE)	290A
2SA628AF(BCE)	234
2SA628AG(BCE)	234
2SA628B(BCE)	290A
2SA628C(BCE)	290A
2SA628D(BCE)	290A
2SA628E(BCE)	290A
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2SA628F(BCE)	234
2SA628G(BCE)	234
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2SA634-4L-L	187A
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2SA634B	187A
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2SA634N	187A
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2SA636L	187
2SA636M	187
2SA637	288
2SA638(ECB)	288
2SA639(ECB)	288
2SA639S(ECB)	288
2SA640	234
2SA640A	234
2SA640B	234
2SA640C	234
2SA640D	234
2SA640E	234
2SA640F	234
2SA640L	234
2SA640M	234
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2SA641M	234
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2SA643F	193A
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2SA659F	290A
2SA659G	290A
2SA659I	290A
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2SA659Y	290A
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2SA661GR	290A ◆
2SA661-O	290A
2SA661R	290A
2SA661Y	290A
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2SA663-BL	219
2SA663-R	219
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2SA666AR	290A
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2SA666T	234
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2SA670B	153
2SA670C	153
2SA671	378
2SA671-0	378
2SA671A	378
2SA671B	378
2SA671C	378
2SA671K	378
2SA671KA	378
2SA671KB	378
2SA671KC	378
2SA672	159
2SA672A	159
2SA672B	159
2SA672C	159
2SA673	290A
2SA673(B)	290A
2SA673-0	290A
2SA673A	290A
2SA673AA	290A
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2SA673AC	290A
2SA673AD	290A
2SA673AE	290A
2SA673AK	290A
2SA673AS	290A
2SA673ASC	290A
2SA673B	290A
2SA673BC	290A
2SA673C	290A
2SA673C2	290A ◆
2SA673CD	290A
2SA673D	290A
2SA673-O	290A
2SA673WT	290A ◆
2SA675	290A
2SA675A	290A
2SA675B	290A
2SA675C	290A
2SA677	290A
2SA677-5	290A
2SA677-6	290A
2SA677HL	290A
2SA678	290A
2SA678(C)	290A
2SA678-5	290A
2SA678-6	290A
2SA678E	290A
2SA678HL	290A
2SA679	281
2SA679B	281
2SA679R	281
2SA679Y	281
2SA680	281
2SA680R	281
2SA680Y	281
2SA682	374
2SA682-O	374
2SA682-Y	374
2SA683	294
2SA683NC	294
2SA683P	294
2SA683Q	294
2SA683R	294
2SA683RS	294
2SA683S	294
2SA684	294
2SA684NC	294
2SA684P	294
2SA684Q	294
2SA684R	294
2SA684S	294
2SA685	290A
2SA690D	159
2SA695(BCE)	159
2SA695C(BCE)	159
2SA695D(BCE)	159
2SA695D2(BCE)	159
2SA695E(BCE)	159
2SA696(BCE)	290A
2SA696A(BCE)	290A
2SA696B(BCE)	290A
2SA696C(BCE)	290A
2SA696D(BCE)	290A
2SA696E(BCE)	290A
2SA697(BCE)	290A
2SA697C(BCE)	290A
2SA697D(BCE)	290A
2SA697E(BCE)	290A
2SA699	187A
2SA699-0	187A
2SA699-0R	187A
2SA699A	187A
2SA699AO	187A
2SA699AP	187A
2SA699A-Q	187A
2SA699AQ	187A
2SA699AR	187A
2SA699-O	187A
2SA699P	187A
2SA699PF	187A
2SA699Q	187A
2SA699R	187A
2SA700	153
2SA700B	153
2SA700Y	153
2SA701(ECB)	159
2SA701E(ECB)	159
2SA701F(ECB)	159
2SA701FJ(ECB)	159
2SA701FO	159
2SA701G(ECB)	159
2SA702(ECB)	159
2SA702E(ECB)	159
2SA702F(ECB)	159
2SA702G(ECB)	159
2SA703	307
2SA703C	307
2SA703D	307
2SA703E	307
2SA704	290A
2SA705	290A
2SA706	189
2SA706-2	189
2SA706-3	189
2SA706-4	189
2SA706H	189
2SA707	298
2SA707V	298
2SA708	129
2SA708A	129
2SA708B	129
2SA708C	129
2SA709(CBE)	159
2SA712	397
2SA713AS	232
2SA713S	232
2SA714	281
2SA714C	281
2SA714D	281
2SA714E	281
2SA714L	281
2SA714LC	281
2SA714LD	281
2SA714LE	281
2SA715C	185
2SA717	129
2SA718	159
2SA719	290A
2SA719-0	290A
2SA719A	290A
2SA719B	290A
2SA719E	290A
2SA719K	290A
2SA719P	290A
2SA719PQ	290A
2SA719PQR	290A
2SA719Q	290A
2SA719QR	290A
2SA719R	290A
2SA719RS	290A
2SA719S	290A
2SA719W	290A
2SA720	290A
2SA720A	290A
2SA720AP	290A
2SA720AQ	290A
2SA720AR	290A
2SA720AS	290A
2SA720NC	290A
2SA720NCP	290A
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2SA720NCR	290A
2SA720NCS	290A
2SA720P	290A
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2SA720R	290A
2SA720S	290A
2SA721	234
2SA721S	234
2SA721T	234
2SA721U	234
2SA722	234
2SA722S	234
2SA722-S	234
2SA722T	234
2SA722U	234
2SA723	290A
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2SA723B	290A
2SA723C	290A
2SA723D	290A
2SA723E	290A
2SA723F	290A
2SA723R	290A
2SA725(BCE)	234
2SA725F(BCE)	234
2SA725G(BCE)	234
2SA725H(BCE)	234
2SA725Y(BCE)	234
2SA725YF(BCE)	234
2SA725YG(BCE)	234
2SA725YH(BCE)	234
2SA726(BCE)	234
2SA726F(BCE)	234
2SA726G(BCE)	234
2SA726H(BCE)	234
2SA726P	234 ◆
2SA726S	234 ◆
2SA726S(BCE)	234
2SA726Y(BCE)	234
2SA726YF(BCE)	234
2SA726YG(BCE)	234
2SA726YH(BCE)	234
2SA728	290A
2SA728A	290A
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2SA728G	234
2SA730	193A
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2SA731S	193A
2SA732	129
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2SA733AP	290A
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2SA733B	290A
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2SA733E	290A
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2SA733GR	290A
2SA733H	290A
2SA733I	290A
2SA733IQ	290A
2SA733K	290A
2SA733P	290A
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2SA733Q	290A
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2SA735	159
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2SA738C	185
2SA740	398
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2SA740AB	398
2SA741H	106 ◆
2SA742	129
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2SA743AC	374
2SA743AD	374#
2SA743B	374
2SA743C	374
2SA743D	374#
2SA744	219
2SA745	281
2SA745A	281
2SA746	281
2SA747	281
2SA747A	281
2SA748	153
2SA748O	153
2SA748P	153
2SA748Q	153
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2SA750F	234
2SA750U	234
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2SA752S	383
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2SA753B	281
2SA753C	281
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2SA754A	153
2SA754B	153
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2SA755C	153
2SA755D	153
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2SA756B	88
2SA756C	88
2SA757	88
2SA757A	88
2SA757B	88
2SA757C	88
2SA758	281
2SA758A	281
2SA758B	281
2SA758C	281
2SA761-1	323 ◆
2SA761S	323 ◆
2SA762	398 ◆
2SA762-1	398 ◆
2SA762-2	398 ◆
2SA763	234
2SA763-W	234
2SA763WL	234
2SA763-WL-3	234
2SA763-WL-4	234

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
2SA763-WL-5	234
2SA763-WL-6	234
2SA763-WN	234
2SA763-WN-3	234
2SA763-WN-4	234
2SA763-WN-5	234
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2SA763-YL	234
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2SA763-YL-5	234
2SA763-YL-6	234
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2SA763-YN-4	234
2SA763-YN-5	234
2SA763-YN-6	234
2SA764	197
2SA765	197
2SA766	398
2SA766S	398
2SA768	153
2SA768-0	153
2SA768F	153
2SA768G	153
2SA768O	153
2SA768Y	153
2SA769	197
2SA770	197
2SA771	332
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2SA777NC	298
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2SA777Q	298
2SA777R	298
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2SA778	288
2SA778A	288♦
2SA778AF-02	288
2SA778AK	288
2SA778AK-02	288
2SA778K	288
2SA778K-02	288
2SA779	187♦
2SA779K	187♦
2SA779KB	187♦
2SA779KC	187♦
2SA779KD	187♦
2SA780AK	211♦
2SA780AKA	211♦
2SA780AKB	211♦
2SA780AKC	211♦
2SA780AKD	211♦
2SA781	106
2SA781AK	106
2SA785	290A
2SA785P	290A
2SA785Q	290A
2SA786(BCE)	290A
2SA786Q(BCE)	290A
2SA786R(BCE)	290A
2SA790(ECB)	232♦
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2SA793	129
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2SA794AR	374#
2SA794P	374#
2SA794Q	374#
2SA794R	374#
2SA795	374
2SA795P	374
2SA795Q	374
2SA795R	374
2SA798	43
2SA798F	43
2SA798G	43
2SA798H	43
2SA800	395
2SA807	88
2SA808	88
2SA808A	88
2SA811	2409
2SA811A	2411
2SA811C5	2409
2SA811C6	2409
2SA811C15	2411
2SA812	2409
2SA812M4	2409
2SA812M5	2409
2SA812M6	2409
2SA812M7	2409
2SA814	292
2SA814-O	292
2SA814-Y	292
2SA815	292
2SA815-O	292
2SA815-Y	292
2SA816	398
2SA816-O	398
2SA816-Y	398
2SA817	290A
2SA817A	290A
2SA817AO	290A
2SA817AY	290A
2SA817O	290A
2SA817Y	290A
2SA818	240
2SA820(ECB)	288
2SA820N(ECB)	288
2SA820P(ECB)	288
2SA825	14
2SA825P	14
2SA825Q	14
2SA825R	290A
2SA826	290A
2SA826LN	290A
2SA826P	290A
2SA826Q	290A
2SA826R	290A
2SA826RY	290A
2SA826S	290A
2SA830(ECB)	232
2SA835	240
2SA836	234
2SA836C	234
2SA836D	234
2SA836E	234
2SA836F	234
2SA837	88
2SA838(ECB)	159
2SA838B(ECB)	159
2SA838C(ECB)	159
2SA839	398
2SA839-O	398♦
2SA839R	398♦
2SA839Y	398♦
2SA840	383♦
2SA840K	383♦
2SA840LC	288
2SA840LL	288
2SA841	234
2SA841BL	234
2SA841-BL	234
2SA841-GR	234
2SA842	234
2SA842-BL	234
2SA842GR	234
2SA842-GR	234
2SA843	398
2SA843P	398
2SA843Q	398
2SA844	234
2SA844B	234
2SA844C	234
2SA844D	234
2SA844E	234
2SA844F	234
2SA845A	288
2SA845AH	288
2SA845H	288
2SA845Q	288♦
2SA847(BCE)	91
2SA847A(BCE)	91
2SA847F(BCE)	91
2SA850(BCE)	290A
2SA850C	290A
2SA850C(BCE)	290A
2SA850D	290A
2SA850D(BCE)	290A
2SA854	290A
2SA854A	290A
2SA854Q	290A
2SA854QE	290A
2SA854QV	290A
2SA854R	290A
2SA854RY	290A
2SA858	288
2SA869	159
2SA872	91
2SA872A	91
2SA872E	91♦
2SA874	19♦
2SA874M	19
2SA874MP	19
2SA874MQ	19
2SA874MR	19
2SA874P	19♦
2SA874Q	19♦
2SA874R	19♦
2SA876	159
2SA876A	159
2SA876B	159
2SA876C	159
2SA876H	159
2SA876HA	159
2SA876HC	159
2SA877	88
2SA878	88
2SA879(ECB)	288
2SA879P(ECB)	288
2SA879Q(ECB)	288
2SA880	234
2SA880S	234
2SA880T	234
2SA880U	234
2SA881	21♦
2SA881P	21♦
2SA881Q	21♦
2SA882	281
2SA883(ECB)	159♦
2SA885	374#
2SA885P	374#
2SA885Q	374#
2SA885R	374#
2SA886	374#
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2SA886QBF	374#
2SA886QR	374#
2SA886R	374#
2SA886UR	374#
2SA886V	374#
2SA886VQ	374#
2SA886VR	374#
2SA886VS	374#
2SA887(ECB)	187
2SA887O(ECB)	187
2SA887P(ECB)	187
2SA887Q(ECB)	187
2SA887R(ECB)	187
2SA888	159
2SA888O	159
2SA888P	159
2SA888Q	159
2SA888R	159
2SA888S	159
2SA889	159
2SA889O	159
2SA889P	159
2SA889Q	159
2SA889R	159
2SA889S	159
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2SA890Q	159
2SA890R	159
2SA890S	159
2SA891	159
2SA891P	159
2SA891Q	159
2SA891R	159
2SA891S	159
2SA892	262
2SA893	91
2SA893A	91
2SA893AD	91
2SA893AE	91
2SA893AF	91
2SA893D	91
2SA893F	91
2SA896(ECB)	288
2SA898	374
2SA899	374
2SA900	374#
2SA900Q	374#
2SA900R	374#
2SA900S	374#
2SA901(BCE)	234
2SA901F(BCE)	234
2SA901G(BCE)	234
2SA904(BCE)	91
2SA904A(BCE)	91
2SA905(BCE)	91
2SA906(BCE)	234
2SA906F(BCE)	234
2SA906G(BCE)	234
2SA907	180
2SA908	285
2SA909	285♦
2SA912	288
2SA912Q	288
2SA912R	288
2SA912S	288
2SA912T	288
2SA913	398
2SA913P	398
2SA913Q	398
2SA913R	398
2SA914	374#
2SA914P	374#
2SA914Q	374#
2SA914R	374#
2SA915(ECB)	288
2SA915K(ECB)	288
2SA915L(ECB)	288
2SA915M(ECB)	288
2SA916(ECB)	288
2SA916K(ECB)	288
2SA916L(ECB)	288
2SA916M(ECB)	288
2SA917	383
2SA920	240
2SA921	91
2SA921A	91
2SA921AQ	91
2SA921AR	91
2SA921Q	91
2SA921R	91
2SA921S	91
2SA922	129
2SA922-1	129
2SA922-2	129
2SA922S	129
2SA924	290A
2SA924B	290A
2SA924C	290A
2SA925-1	106
2SA925-2	106
2SA927	290A
2SA929	234
2SA929G	234
2SA933	290A
2SA933A	290A
2SA933AR	290A
2SA933LN	234
2SA933LNR	234
2SA933LNS	234
2SA933P	290A
2SA933Q	290A
2SA933R	290A
2SA933RK	290A
2SA933S	290A
2SA934	294
2SA934P	294
2SA934Q	294
2SA935	298
2SA935P	298
2SA935Q	298
2SA936(ECB)	232♦
2SA937	17♦
2SA937LN	17♦
2SA937LNR	17♦
2SA937LNS	17♦
2SA937M	17
2SA937MLN	17
2SA937MLNR	17
2SA937MLNS	17
2SA937MQ	17
2SA937MR	17
2SA937MS	17
2SA937NLMS	17
2SA937P	290A♦
2SA937Q	17
2SA937R	17
2SA937S	17♦
2SA940	398
2SA940AE	398
2SA940AR	398
2SA940D	398
2SA940E	398
2SA940LB	398
2SA940LBGL2	398
2SA940R	398
2SA940RD	398
2SA940RE	398
2SA940-Z	398
2SA941	290A♦
2SA941-GR	290A♦
2SA942	290A
2SA942-GR	290A
2SA944E	129
2SA945-O	159
2SA945Y	159
2SA949	383♦
2SA950	290A
2SA950-0	290A
2SA950-Y	290A
2SA950Y	290A
2SA950YFA	290A
2SA952	290A
2SA952K	290A
2SA952L	290A
2SA953	290A
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2SA953L	290A
2SA953M	290A
2SA954	290A
2SA954L	290A
2SA954M	290A
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2SA956H4	2407
2SA956H5	2407
2SA956H6	2407
2SA957	398
2SA962	189
2SA962A	50
2SA963	374
2SA963Q	374
2SA963QR	374
2SA963R	374
2SA965	383♦
2SA966	294
2SA966Y	294
2SA968	398♦
2SA968A	398♦
2SA968A-O	398♦
2SA968A-Y	398♦
2SA968B	398♦
2SA968B-O	398♦
2SA968B-Y	398♦
2SA968-O	398♦
2SA968-Y	398♦
2SA969	398
2SA969O	398
2SA969Y	398
2SA970	290A♦
2SA970-GR	290A♦
2SA971	285
2SA972	159
2SA973	234
2SA973R	234
2SA973S	234
2SA973T	234
2SA977	374#
2SA978	234♦
2SA978(BCE)	234
2SA978E(BCE)	290A
2SA978F(BCE)	234
2SA978G(BCE)	234
2SA979	41
2SA979A	41
2SA979F	41
2SA979G	41
2SA979H	41
2SA980	281
2SA981	281
2SA982	281
2SA984	290A
2SA984D	290A
2SA984E	290A
2SA984F	290A
2SA984K	290A
2SA984KD	290A
2SA984KE	290A
2SA984KF	290A
2SA985A	398♦
2SA985P	398
2SA985Q	398
2SA987	290A
2SA987P	290A
2SA988(ECB)	288
2SA991	234♦
2SA991-F	234♦
2SA991-P	234♦
2SA992	91
2SA992(ECB)	288
2SA992E	91
2SA992F	91
2SA992P(ECB)	288
2SA993	159
2SA993B	159
2SA993C	159
2SA993D	159
2SA994(BCE)	234
2SA994E(BCE)	234
2SA994F(BCE)	234
2SA994G(BCE)	234
2SA995	45
2SA995F	45
2SA995G	45
2SA995H	45
2SA999	290A
2SA999D	290A
2SA999E	290A
2SA999F	290A
2SA999L(ECB)	159
2SA999LE(ECB)	159
2SA999LF(ECB)	159
2SA1004	159
2SA1004C	159
2SA1004D	159
2SA1007	88
2SA1007A	88
2SA1008	292
2SA1008K	292
2SA1008L	292
2SA1008M	292
2SA1010	332
2SA1010K	332
2SA1010L	332
2SA1010M	332
2SA1010V	332
2SA1011	398
2SA1011D	398
2SA1011E	398
2SA1012	378
2SA1012-O	153♦
2SA1012Y	378
2SA1013	32
2SA1013-O	32
2SA1013-OR	32
2SA1013-R	32
2SA1013R	32
2SA1013-Y	32
2SA1015	290A
2SA1015-0	290A
2SA1015FA-0	290A
2SA1015G	290A
2SA1015-G	290A
2SA1015-GR	290A
2SA1015GR	290A
2SA1015GRFA	290A
2SA1015O	290A
2SA1015-O	290A
2SA1015-OFA	290A
2SA1015-Y	290A
2SA1015Y	290A
2SA1015-YFA	290A
2SA1016	234
2SA1016F	234
2SA1016G	234
2SA1016H	234
2SA1016K	234
2SA1017	234
2SA1018(ECB)	288
2SA1018P(ECB)	288
2SA1018Q(ECB)	288
2SA1019	91
2SA1020	25
2SA1020-O	25
2SA1020Y	25
2SA1021	374
2SA1021-O	374
2SA1021-R	374
2SA1021-Y	374
2SA1022	2407
2SA1022A	2407
2SA1022B	2407
2SA1022C	2407
2SA1023	290A
2SA1023P	290A
2SA1023Q	290A
2SA1025	159
2SA1026	290A
2SA1027	290A
2SA1027R	290A
2SA1028	291♦
2SA1029	290A
2SA1029B	290A
2SA1029C	290A
2SA1029D	290A
2SA1030	290A
2SA1030B	290A
2SA1030C	290A
2SA1031(ECB)	159
2SA1031B(ECB)	159
2SA1031C(ECB)	159
2SA1031D(ECB)	159
2SA1032(ECB)	159
2SA1032B(ECB)	159
2SA1032C(ECB)	159
2SA1033	159
2SA1033B	159
2SA1033C	159
2SA1033D	159
2SA1034	2409
2SA1034R	2409
2SA1034S	2409
2SA1034T	2409
2SA1035	2409
2SA1035R	2409
2SA1035S	2409
2SA1035T	2409
2SA1036K	2407
2SA1036KP	2407
2SA1036KQ	2407
2SA1036KR	2407
2SA1037K	2409
2SA1037KQ	2409
2SA1037KR	2409
2SA1037KS	2409
2SA1038	91
2SA1038E	91
2SA1038S	91
2SA1039	91
2SA1039E	91
2SA1039S	91
2SA1040	281
2SA1040-GR	290A
2SA1040-O	290A
2SA1040-Y	290A
2SA1045	248
2SA1046	250
2SA1047	374
2SA1047D	374
2SA1047E	374
2SA1047F	374
2SA1048	290A♦
2SA1048O	290A♦
2SA1048Y	290A♦
2SA1049	91
2SA1049-GR	290A♦
2SA1050	285
2SA1050A	285
2SA1050A-O	285
2SA1050A-R	285
2SA1050A-Y	285
2SA1051A	285
2SA1051A-O	285
2SA1051A-R	285
2SA1051A-Y	285
2SA1052	2409
2SA1052B	2409
2SA1052C	2409
2SA1052D	2409
2SA1053	159
2SA1054	159
2SA1055	159
2SA1056	159
2SA1060	37
2SA1060Q	37
2SA1060R	37
2SA1061	37
2SA1061P	37
2SA1061Q	37
2SA1061R	37
2SA1062	37
2SA1062P	37
2SA1062Q	37
2SA1062R	37
2SA1063	285
2SA1064	285
2SA1064P	283
2SA1064R	285
2SA1065	285
2SA1065Q	285
2SA1065R	285
2SA1066	159
2SA1067	281
2SA1068	285
2SA1069	378
2SA1069C	378
2SA1072	281
2SA1073	285
2SA1074	285
2SA1075	34
2SA1075B	34
2SA1075-B	34
2SA1075G	34
2SA1075-G	34
2SA1076	34
2SA1076G	34
2SA1078	55
2SA1079	55
2SA1081	159
2SA1082	159
2SA1083	159
2SA1084	129P
2SA1085	129P
2SA1090	159
2SA1090-GR	159
2SA1090-O	159
2SA1090-Y	159
2SA1091(ECB)	288
2SA1091-O(ECB)	288
2SA1091R(ECB)	288
2SA1092	234
2SA1092S	234
2SA1092T	234
2SA1093	37
2SA1094	34
2SA1094O	34
2SA1094R	34
2SA1094Y	34
2SA1095	34
2SA1095O	34
2SA1095R	34
2SA1095Y	34
2SA1096	374#
2SA1096A	374#
2SA1096AQ	374#
2SA1096Q	374#
2SA1100(BCE)	290A
2SA1100D(BCE)	290A
2SA1100E(BCE)	290A
2SA1100F(BCE)	290A
2SA1100L(BCE)	159
2SA1100LE(BCE)	159
2SA1100LF(BCE)	159
2SA1102	37
2SA1103	37
2SA1104	37
2SA1104A	37
2SA1105	37
2SA1106	37
2SA1107	34
2SA1108	34
2SA1109	59
2SA1110	374#
2SA1110P	374#
2SA1110Q	374#
2SA1110R	374#
2SA1111	398
2SA1111P	398
2SA1111Q	398
2SA1111R	398
2SA1112	398♦
2SA1115	290A
2SA1115D	290A
2SA1115E	290A
2SA1115F	290A♦
2SA1116	68
2SA1117	68
2SA1121	2407
2SA1121B	2407
2SA1121C	2407
2SA1121D	2407
2SA1122	2409
2SA1122C	2409
2SA1122D	2409
2SA1123	32
2SA1123-Q	32
2SA1124	32
2SA1124-Q	32
2SA1124-R	32
2SA1125	398
2SA1125-Q	398
2SA1127	234
2SA1127-R	234
2SA1127-S	234
2SA1127-T	234
2SA1128	290A
2SA1128-Q	290A
2SA1128-R	290A
2SA1128-S	290A
2SA1129	378
2SA1129L	378
2SA1129M	378
2SA1133	398
2SA1133P	398
2SA1133Q	398
2SA1135	391
2SA1137	290A
2SA1137Q	290A
2SA1137R	290A
2SA1138	91
2SA1141	37
2SA1142	374
2SA1144	374
2SA1144-O	374
2SA1145	32
2SA1145O	32
2SA1145-O	32
2SA1145Y	32
2SA1145-Y	32
2SA1146	37
2SA1146-O	37
2SA1146R	37
2SA1146-R	37
2SA1147	68
2SA1150	290A
2SA1150-O	290A
2SA1150-Y	290A
2SA1152(ECB)	159
2SA1153	159
2SA1154(ECB)	159
2SA1158	290A
2SA1158Y	290A
2SA1160	25
2SA1162	2409
2SA1162G	2409
2SA1162O	2409
2SA1162Y	2409
2SA1163	2411
2SA1163G	2411
2SA1164(ECB)	217
2SA1166	34
2SA1169	59
2SA1170	59
2SA1171	2411
2SA1174	234
2SA1174E	234
2SA1174F	234
2SA1174P	234

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2SA1175	290A
2SA1175E	234
2SA1175F	234
2SA1175H	290A
2SA1175J	290A
2SA1175K	234
2SA1175R	290A
2SA1175Y	290A◆
2SA1178	374
2SA1179	2407
2SA1179M4	2407
2SA1179M5	2407
2SA1179M6	2407
2SA1182	2407
2SA1182O	2407
2SA1182Y	2407
2SA1183	391
2SA1184	374
2SA1184-O	374
2SA1185	37
2SA1185-O	37
2SA1185-P	37
2SA1185-Q	37
2SA1186	37
2SA1187	34
2SA1188	383
2SA1188D	383
2SA1189	383
2SA1189D	383
2SA1190	383
2SA1190D	383
2SA1191	383
2SA1191D	383
2SA1193	2342
2SA1193K	2342
2SA1198	234
2SA1198R	234
2SA1198RS	234
2SA1198S	234
2SA1199(ECB)	159
2SA1199Q(ECB)	159
2SA1202	2429
2SA1202O	2429
2SA1202Y	2429
2SA1204	2429
2SA1204O	2429
2SA1204Y	2429
2SA1205	37
2SA1206	217
2SA1206K	217
2SA1215	34
2SA1216	37
2SA1217	185
2SA1220	374
2SA1220A	374
2SA1226	2407
2SA1226E2	2407
2SA1226E3	2407
2SA1226E4	2407
2SA1227	37
2SA1232	37
2SA1232Q	37
2SA1232R	37
2SA1235	2407
2SA1235E	2407
2SA1235F	2407
2SA1245	2403
2SA1246	290A
2SA1246R	290A
2SA1246S	290A
2SA1246T	290A
2SA1246U	290A
2SA1247	2411
2SA1247C25	2411
2SA1248(Audio)	374
2SA1248R(Audio)	374
2SA1248S(Audio)	374
2SA1248T(Audio)	374
2SA1249(Audio)	374
2SA1249R(Audio)	374
2SA1249S(Audio)	374
2SA1249T(Audio)	374
2SA1252	2409
2SA1252D4	2409
2SA1252D5	2409
2SA1252D6	2409
2SA1252D7	2409
2SA1255	2413
2SA1255O	2413
2SA1256	2409
2SA1256E3	2409
2SA1256E4	2409
2SA1256E5	2409
2SA1257	2411
2SA1257G3	2411
2SA1257G4	2411
2SA1257G5	2411
2SA1263	37
2SA1263-O	37
2SA1263-R	37
2SA1264	37
2SA1264N	37
2SA1264-O	37
2SA1264-R	37
2SA1265	37
2SA1265-O	37
2SA1265-R	37
2SA1270	290A
2SA1270-O	290A
2SA1270Y	290A
2SA1271	383◆
2SA1271-O	383◆
2SA1271Y	383◆
2SA1272	383◆
2SA1272-O	383◆
2SA1272Y	383◆
2SA1274	298
2SA1274-O	298
2SA1274Y	298
2SA1275	32
2SA1275O	32
2SA1275R	32
2SA1279	378#
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2SB370A	102A

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To Be Replaced	ECG Replacement
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2SB513AQ	197
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2SB513R	153
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2SB514C	153
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2SB515D	153
2SB515E	153
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2SB568D	398
2SB568WT	398
2SB569	242
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2SB588-R	281
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2SB595R	55
2SB595-Y	55
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2SB596-0	197
2SB596-R	197
2SB596Y	197
2SB596-Y	197
2SB598(ECB)	159
2SB598D(ECB)	159
2SB598E(ECB)	159
2SB598F(ECB)	159
2SB600	88
2SB600(Bridge)	5315
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2SB604Q	242
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2SB617R	381◆
2SB617S	381◆
2SB618	381
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2SB643-S	19
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2SB644QR	19
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2SB683	197
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2SB683D	197
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2SB692Q	37
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2SB693	252
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2SB708M	197
2SB709	2409
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2SB709AQ	2409
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2SB709AS	2409
2SB709Q	2409
2SB709R	2409
2SB709S	2409
2SB710	2407
2SB710A	2407
2SB710AQ	2407

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2SB710AR	2407
2SB710AS	2407
2SB710Q	2407
2SB710R	2407
2SB710S	2407
2SB711	262
2SB712	262
2SB713	37
2SB713-P	37
2SB713-Q	37
2SB713-R	37
2SB714	176
2SB715	91
2SB715D	91
2SB715E	91
2SB716	91
2SB716A	91
2SB716AD	91
2SB716D	91
2SB716E	91
2SB716G	91
2SB719	398
2SB719A	398
2SB719B	398
2SB719C	398
2SB719D	398
2SB720	398
2SB721	159
2SB722	285
2SB723	285♦
2SB724	153
2SB725	290A
2SB725-Q	290A
2SB726	290A♦
2SB726R	290A♦
2SB726-R	290A
2SB726S	199
2SB726T	199
2SB727	2344
2SB727K	2344
2SB729	159
2SB729Q	159
2SB729R	159
2SB731	374
2SB733	294
2SB733K	294
2SB733L	294
2SB734	383
2SB734-4	383
2SB734K	383
2SB734L	383
2SB736	2407
2SB736A	2411
2SB736AB51	2411
2SB736AB52	2411
2SB736AB53	2411
2SB736BW1	2407
2SB736BW2	2407
2SB736BW3	2407
2SB736BW4	2407
2SB736BW5	2407
2SB737	85♦
2SB737Q	85♦
2SB740	383
2SB740-3	383
2SB740B	383
2SB740C	383
2SB741	383
2SB741B	383
2SB741C	383
2SB741Q	383
2SB742Q	234
2SB743	185
2SB743Q	185
2SB743R	185
2SB744	185
2SB744A	185
2SB744Q	185
2SB744R	185
2SB745	17
2SB745A	17
2SB745AR	17
2SB745AS	17
2SB745AT	17
2SB745R	17
2SB745S	17
2SB745T	17
2SB747	55
2SB747P	17
2SB747Q	55
2SB747R	55
2SB748A	93
2SB748AB	93
2SB748AC	93
2SB749A	93
2SB749AB	93
2SB749AC	93
2SB750	262
2SB750A	262
2SB750-AQ	262
2SB750-AR	262
2SB750-Q	262
2SB750-R	262
2SB751	262
2SB751A	262
2SB751AQ	262
2SB751AR	262
2SB751Q	262
2SB751R	262
2SB753	378
2SB753-O	378
2SB754	37
2SB754-O	37
2SB755	34
2SB755O	34
2SB755R	34
2SB757	2314
2SB757A	2314
2SB757B	2314
2SB757C	2314
2SB759(BCE)	234
2SB759Q(BCE)	234
2SB759R(BCE)	234
2SB759S(BCE)	234
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2SB764F	383
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2SB783	292
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2SB808F	383♦
2SB808G	290A♦
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2SB810F	294
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2SB811E	294♦
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2SB851R	21♦
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2SC109A	128
2SC109A-O	128
2SC109A-R	128
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2SC109-O	128

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2SC458C/D	85
2SC458CD	85
2SC458CLG	85
2SC458CM	85
2SC458D	85
2SC458-D	85
2SC458G	85
2SC458GLB	85
2SC458-GR	85
2SC458K	85
2SC458KA	85
2SC458KB	85
2SC458KC	85
2SC458KD	85
2SC458L	85
2SC458LB	85
2SC458LC	85
2SC458LG	85
2SC458LG(B)	85
2SC458LGA	85
2SC458LGB	85
2SC458LGBM	85
2SC458LGC	85
2SC458LGD	85
2SC458LGO	85
2SC458LGS	85
2SC458M	85
2SC458-O	85
2SC458P	85
2SC458PGC	85
2SC458RGS	85
2SC458T0K	85
2SC458V	85
2SC458VC	85
2SC458-Y	85
2SC459	85
2SC459B	85
2SC459C	85
2SC459D	85
2SC460	85
2SC460(A)	85
2SC460(B)	85
2SC460A	85
2SC460AB	85
2SC460B	85
2SC460C	85
2SC460D	85
2SC460F	85
2SC460G	85
2SC460GB	85
2SC460H	85
2SC460K	85
2SC460L	85
2SC461	85
2SC461A	85
2SC461B	85
2SC461-B	85
2SC461C	85
2SC461E	85
2SC461L	85
2SC461R	85
2SC463	161
2SC463H	161
2SC464	316
2SC464C	316
2SC465	316
2SC466	316
2SC466H	316
2SC467	108
2SC467B	108
2SC468	123A
2SC468(LGR)	123A
2SC468A	123A
2SC468B	123A
2SC468C	123A
2SC469	313
2SC469A	313
2SC469F	313
2SC469K	313
2SC469Q	313
2SC469R	313
2SC470	154
2SC472Y	123A
2SC474	123A
2SC475	313
2SC475K	313
2SC476	313
2SC477	161
2SC478	123A
2SC478(D)	123A
2SC478-4	123A
2SC478D	123A
2SC478YL	195A
2SC479	128
2SC479H	128
2SC481	195A
2SC481X	195A
2SC482	195A
2SC482-0	195A
2SC482-GR	195A
2SC482GR	195A
2SC482X	195A
2SC482Y	195A
2SC482-Y	195A
2SC484	324
2SC484BL	324
2SC484R	324
2SC484Y	324
2SC485	324
2SC485BL	324
2SC485C	324
2SC485Y	324
2SC486	324
2SC486BL	324
2SC486Y	324
2SC487	175
2SC488	175
2SC489	175
2SC489Y	175
2SC490	175
2SC491	175
2SC491BL	175
2SC491R	175
2SC491Y	175
2SC492	280
2SC493	87
2SC493-BL	87
2SC493-R	87
2SC493-Y	87
2SC495	295
2SC495(RF PWR)	295
2SC495(CB)	295
2SC495-0	295
2SC495AP	295
2SC495AQ	295
2SC495-O	295
2SC495-R	295
2SC495T	295
2SC495-X	295
2SC495-Y	295
2SC495Y	295
2SC495-YX	295
2SC496	295
2SC496(O)	295
2SC496-0	295
2SC496O	295
2SC496-O	295
2SC496-R	295
2SC496Y	295
2SC496-Y	295
2SC497	128
2SC497-0	128
2SC497-R	128
2SC497-Y	128
2SC498	128
2SC498-0	128
2SC498-R	128
2SC498-Y	128
2SC499	289A
2SC499R	289A
2SC499-R(FA-1)	289A
2SC499-RY	289A
2SC499Y	289A
2SC499-Y(FA-1)	289A
2SC500	154
2SC500R	154
2SC500Y	154
2SC501	128
2SC502	195A
2SC503	128
2SC503GR	128
2SC503-O	128
2SC503-Y	128
2SC504	128
2SC504GR	128
2SC504-O	128
2SC504-Y	128
2SC505	154
2SC505-O	154
2SC505-R	154
2SC506	154
2SC506-O	154
2SC506-R	154
2SC507	154
2SC507-0	154
2SC507-R	154
2SC507-Y	154
2SC508	384
2SC509	289A
2SC509(0)	289A
2SC509G	85
2SC509-O	289A
2SC509Q	289A
2SC509Y	289A
2SC510	324
2SC510-O	324
2SC510-R	324
2SC511	324
2SC512	324
2SC512-O	324
2SC512-R	324
2SC513	324
2SC513-O	324
2SC513R	324
2SC514	124
2SC515	124
2SC515A	124
2SC515A(BK)	124
2SC515AM	124
2SC515AX	124
2SC515BK	124
2SC515Y	124
2SC516	128

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2SC516A	128
2SC517	237
2SC517C	237
2SC519	87
2SC519A	87
2SC520	87
2SC520A	87
2SC521	87
2SC521A	87
2SC522	427/282§
2SC522-0	225
2SC522-R	225
2SC523	427/282§
2SC523-0	427/282§
2SC523-R	427/282§
2SC524	427/282§
2SC524-0	225
2SC524-R	225
2SC525	237
2SC525-0	237
2SC525-R	237
2SC526	154
2SC529	85
2SC529A	85
2SC535	107
2SC535(B)	107
2SC535A	107
2SC535-B	107
2SC535B	107
2SC535C	107
2SC535G	107
2SC535NB	107
2SC536	85
2SC536A	85
2SC536B	85
2SC536C	85
2SC536D	85
2SC536E	85
2SC536F	85
2SC536FPD	289A
2SC536FPE	289A
2SC536FPF	289A
2SC536FPG	199
2SC536FPH	199
2SC536G	199
2SC536H	199
2SC536KD	289A
2SC536KE	289A
2SC536KF	199
2SC536KG	199
2SC536KNP	199
2SC536KNPD	289A
2SC536KNPE	289A
2SC536KNPF	289A
2SC536KNPG	199
2SC536KNPH	199
2SC536KNP-T	85
2SC536NP	85
2SC536NPD	289A
2SC536NPE	289A
2SC536NPF	289A
2SC536NPG	199
2SC536NPH	199
2SC536NP-T	85
2SC536SPD	289A
2SC536SPE	289A
2SC536SPF	289A
2SC536SPG	199
2SC536SPH	199
2SC536Y	85
2SC537	289A
2SC537(G)	199
2SC537(F)	199
2SC537-01	289A
2SC537B	289A
2SC537C	289A
2SC537-C7	289A
2SC537D	289A
2SC537D2	289A
2SC537E	289A
2SC537EF	289A
2SC537EH	289A
2SC537EJ	289A
2SC537EK	289A
2SC537F	289A
2SC537F1	289A
2SC537F2	289A
2SC537FC	289A
2SC537F-C7	289A
2SC537FD	289A
2SC537FV	199
2SC537G	199
2SC537G2	199
2SC537GF	199
2SC537GI	199
2SC537H	199
2SC537HT	199
2SC537W	199
2SC538	123A
2SC538A	123A
2SC538AQ	123A
2SC538P	123A
2SC538Q	123A
2SC538R	123A
2SC538S	123A
2SC538T	123A
2SC539	123A
2SC539K	123A
2SC539L	123A
2SC539P	123A
2SC539Q	123A
2SC539R	123A
2SC539S	123A
2SC540	313
2SC544	107
2SC544C	107
2SC544D	107
2SC544E	107
2SC545	107
2SC545A	107
2SC545B	107
2SC545C	107
2SC545D	107
2SC545E	107
2SC547	311♦
2SC555	311
2SC558	389
2SC560	128
2SC561	108
2SC562	161
2SC562-0	161
2SC562Y	161
2SC563	161
2SC563(3rd IF)	161
2SC563A	161
2SC563A(3rd IF)	161
2SC564	123A
2SC564A	123A
2SC564P	123A
2SC564Q	123A
2SC564R	123A
2SC564S	123A
2SC564T	123A
2SC565	123A
2SC566	311♦
2SC567	316
2SC568	316
2SC571	346
2SC572	475
2SC572R	475
2SC573	476
2SC573R	476
2SC578	123
2SC580	128
2SC582	124
2SC582A	124
2SC582B	124
2SC582BC	124
2SC582BX	124
2SC582BY	124
2SC582C	124
2SC582EA	124
2SC583	316
2SC583C	316
2SC586	280
2SC587	123A
2SC587A	123A
2SC587B	123A
2SC587C	123A
2SC588	123A
2SC589	154
2SC590	154
2SC590Y	289A
2SC593	123A
2SC594	123A
2SC595	123A
2SC596	123A
2SC601	311
2SC602	161
2SC605	313
2SC605(B)	313
2SC605(Q)	313
2SC605(B)K	313
2SC605K	313
2SC605L	313
2SC605M	313
2SC605Q	313
2SC606	313
2SC606(B)K	313
2SC606(B)	313
2SC606A	313
2SC608	237
2SC608E	237
2SC608T	237
2SC609	237
2SC609F	237
2SC609T	237
2SC609Y	237
2SC611	316
2SC612	316
2SC614	195A
2SC614C	195A
2SC614D	195A
2SC614E	195A
2SC614F	195A
2SC614G	195A
2SC615	195A
2SC615A	195A
2SC615B	195A
2SC615C	195A
2SC615D	195A
2SC615E	195A
2SC615F	195A
2SC615G	195A
2SC618	161
2SC618A	161
2SC619(BCE)	85
2SC619B(BCE)	85
2SC619C(BCE)	85
2SC619D(BCE)	85
2SC619E(BCE)	85
2SC620(BCE)	85
2SC620B(BCE)	85
2SC620C(BCE)	85
2SC620CD(BCE)	85
2SC620D(BCE)	85
2SC620DE(BCE)	85
2SC620E(BCE)	85
2SC620M(BCE)	85
2SC620MC(BCE)	85
2SC620MD(BCE)	85
2SC620ME(BCE)	85
2SC620R(BCE)	85
2SC621	85
2SC622	123A
2SC626	123A
2SC627	154
2SC627F	154
2SC627FA	154
2SC627FB	154
2SC628	311
2SC629	107
2SC631	85
2SC631A	85
2SC632	85
2SC632A	85
2SC633	85
2SC633-7	85
2SC633A	85
2SC633G	85
2SC633H	85
2SC634	85
2SC634A	85
2SC634-SP	85
2SC634-SP8	85
2SC637	475
2SC638	476
2SC640	313
2SC640B	313
2SC641	85
2SC641B	85
2SC641C	85
2SC641K	85
2SC641KB	85
2SC641KC	85
2SC642	164
2SC642A	164
2SC643	389
2SC643A	389
2SC643A-4A	389
2SC644	199
2SC644C	199
2SC644F	199
2SC644FR	199
2SC644FS	199
2SC644H	199
2SC644HR	199
2SC644HS	199
2SC644P	199
2SC644PJ	199
2SC644Q	199
2SC644QRS	199
2SC644R	199
2SC644RF	199
2SC644RST	199
2SC644S	199
2SC644T	199
2SC645	107♦
2SC645A	107♦
2SC645C	107♦
2SC646	328
2SC647	328
2SC647P	328
2SC647Q	328
2SC647R	328
2SC648	123A
2SC648H	123A
2SC649	123A
2SC649A	123A
2SC649B	123A
2SC650	123A
2SC650A	123A
2SC650B	123A
2SC651	311
2SC652	311
2SC653	316
2SC654	311
2SC657	107
2SC658	107
2SC658A	107
2SC659	107
2SC662	108
2SC663	161
2SC664	130
2SC664B	130
2SC664C	130
2SC665	87
2SC665H	87
2SC665HA	87
2SC665HB	87
2SC668	107
2SC668-0	107
2SC668A	107
2SC668B	107
2SC668B1	107
2SC668BC2	107
2SC668C	107
2SC668C1	107
2SC668CD	107
2SC668CE	107
2SC668D	107
2SC668D0	107
2SC668D1	107
2SC668DE	107
2SC668DO	107
2SC668DV	107
2SC668DX	107
2SC668DZ	107
2SC668E	107
2SC668E1	107
2SC668E2	107
2SC668EP	107
2SC668EV	107
2SC668EX	107
2SC668F	107
2SC668SP	107
2SC669	282§
2SC669A	282§
2SC670	124
2SC671K	378
2SC671KA	378
2SC671KB	378
2SC671KC	378
2SC674	107
2SC674B	107
2SC674C	107
2SC674CK	107
2SC674CL	107
2SC674CV	107
2SC674CZ	107
2SC674D	107
2SC674E	107
2SC674F	107
2SC674G	107
2SC674V	107
2SC675	87
2SC677	87
2SC680	286
2SC680A	286
2SC680R	286
2SC681	283
2SC681A	283
2SC681ARD	283
2SC681AYL	283
2SC681B	283
2SC681L	283
2SC681Y	283
2SC681YL	283
2SC682	161
2SC682A	161
2SC682B	161
2SC682E	161
2SC683	161
2SC683A	161
2SC683B	161
2SC683P	161
2SC683Q	161
2SC683R	161
2SC683V	161
2SC684	107
2SC684A	107
2SC684B	107
2SC684BK	107
2SC684F	107
2SC684R	107
2SC685	124
2SC685(0)	124
2SC685A	124
2SC685B	124
2SC685BK	124
2SC685GU	124
2SC685H	124
2SC685HA	124
2SC685HB	124
2SC685P	124
2SC685S	124
2SC685Y	124
2SC686	154
2SC687	280
2SC690	359♦
2SC690A	359♦
2SC693	199
2SC693E	199
2SC693EB	199
2SC693ET	199
2SC693F	199
2SC693FC	199
2SC693FL	199
2SC693FU	199
2SC693G	199
2SC693GL	199
2SC693GS	199
2SC693GU	199
2SC693GZ	199
2SC693H	199
2SC693S	199
2SC693SF	199
2SC693SG	199
2SC693SH	199
2SC694	199
2SC694E	199
2SC694F	199
2SC694G	199
2SC694Z	199
2SC695	313
2SC696	128
2SC696(D)	128
2SC696A	128
2SC696AB	128
2SC696AD	128
2SC696AE	128
2SC696AF	128
2SC696AH	128
2SC696AI	128
2SC696AJ	128
2SC696B	128
2SC696D	128
2SC696E	128
2SC696F	128
2SC696G	128
2SC696H	128
2SC696I	128
2SC697	427/282§
2SC697A	427/282§
2SC697AB	427/282§
2SC697AD	427/282§
2SC697AE	427/282§
2SC697AF	427/282§
2SC697AH	427/282§
2SC697AI	427/282§
2SC697AJ	427/282§
2SC697B	427/282§
2SC697D	427/282§
2SC697E	427/282§
2SC697F	427/282§
2SC697H	427/282§
2SC697I	427/282§
2SC697J	427/282§
2SC699	237
2SC705	107
2SC705B	107
2SC705C	107
2SC705D	107
2SC705E	107
2SC705F	107
2SC705TV	107
2SC705TV(3rd IF)	233
2SC707	316
2SC707H	316
2SC708	128
2SC708A	128
2SC708AA	128
2SC708AB	128
2SC708AC	128
2SC708AH	128
2SC708AHA	128
2SC708AHB	128
2SC708AHC	128
2SC708B	128
2SC708C	128
2SC708H	128
2SC709	85
2SC709B	85
2SC709C	85
2SC709CD	85
2SC709D	85
2SC710(BCE)	85
2SC710(B)(BCE)	85
2SC710(C)(BCE)	85
2SC710(D)(BCE)	85
2SC710-0(BCE)	85
2SC710-1(BCE)	85
2SC710-2(BCE)	85
2SC710-3(BCE)	85
2SC710-4(BCE)	85
2SC710-5(BCE)	85
2SC710-13(BCE)	85
2SC710-14	107
2SC710-14(BCE)	85
2SC710-15(BCE)	85
2SC710B(BCE)	85
2SC710B2(BCE)	85
2SC710BC(BCE)	85
2SC710C(BCE)	85
2SC710CD(BCE)	85
2SC710D(BCE)	85
2SC710DE(BCE)	85
2SC710E(BCE)	85
2SC710F(BCE)	85
2SC710P(BCE)	85
2SC710R(BCE)	85
2SC710S(BCE)	85
2SC711(BCE)	85
2SC711A(BCE)	85
2SC711AD(BCE)	85
2SC711AE(BCE)	85
2SC711AF(BCE)	85
2SC711AG(BCE)	199
2SC711AH(BCE)	199
2SC711C(BCE)	85
2SC711D(BCE)	85
2SC711E(BCE)	85
2SC711F(BCE)	85
2SC711G(BCE)	199
2SC711H(BCE)	199
2SC712(BCE)	85
2SC712A(BCE)	85
2SC712B(BCE)	85
2SC712BC(BCE)	85
2SC712C(BCE)	85
2SC712-CD(BCE)	85
2SC712D(BCE)	85
2SC712DE(BCE)	85
2SC712E(BCE)	85
2SC712-O(BCE)	85
2SC712W(BCE)	85
2SC713(BCE)	85
2SC713B(BCE)	85
2SC713C(BCE)	85
2SC713D(BCE)	85
2SC713E(BCE)	85
2SC713M(BCE)	85
2SC713MC(BCE)	85
2SC713MD(BCE)	85
2SC713ME(BCE)	85
2SC713W(BCE)	85
2SC714(BCE)	289A
2SC714B(BCE)	289A
2SC714C(BCE)	289A
2SC714D(BCE)	289A
2SC715	85
2SC715A	85
2SC715B	85
2SC715C	85
2SC715D	85
2SC715E	85
2SC715EJ	85
2SC715EV	85
2SC715F	85
2SC715S	85
2SC715SC	85
2SC715SD	85
2SC715SE	85
2SC715SF	85
2SC715XL	85
2SC716	289A
2SC716B	289A
2SC716C	289A
2SC716D	289A
2SC716E	289A
2SC716F	289A
2SC717	107
2SC717(3rd IF)	107
2SC717(Last IF)	107
2SC717B	107
2SC717BK	107
2SC717BLK	107
2SC717C	107
2SC717E	107
2SC717TM	107
2SC720	107
2SC722	107
2SC722F	107
2SC723	107
2SC723F	107
2SC724B	289A
2SC724G	289A
2SC724V	289A
2SC724X	289A
2SC725	289A
2SC725B	289A
2SC725G	289A
2SC725-O	289A
2SC725V	289A
2SC725Y	289A
2SC727	287
2SC727A	287
2SC727B	287
2SC728	287
2SC728A	287
2SC728B	287
2SC730	487
2SC731	311
2SC732	199
2SC732-0	199
2SC732B	199
2SC732BL	199
2SC732GR	199
2SC732GR/4454C	199
2SC732S	199
2SC732TM	199♦
2SC732V	199
2SC732Y	199
2SC733	199
2SC733(GR)	199
2SC733-0	199
2SC733B	199
2SC733BL	199
2SC733GR	199
2SC733-O	199
2SC733Q	199
2SC733R	199
2SC733V	199
2SC733Y	199
2SC733-Y	199
2SC734	289A
2SC734-0	289A
2SC734GR	289A
2SC734O	289A
2SC734-O	289A
2SC734-R	289A
2SC734-Y	289A
2SC734Y	289A
2SC735	289A
2SC735(FA-3)	289A
2SC735(O)	289A
2SC735-0	289A
2SC735/4454C	289A
2SC735B	289A
2SC735F	289A
2SC735G	289A
2SC735GR	289A
2SC735H	289A
2SC735J	289A
2SC735K	289A
2SC735L	289A
2SC735-O	289A
2SC735ORN	289A
2SC735R	289A
2SC735Y	289A
2SC735-Y	289A
2SC735Y/4454C	289A
2SC736	87
2SC738(BCE)	107
2SC738A(BCE)	107
2SC738B(BCE)	107
2SC738C(BCE)	107
2SC738D(BCE)	107
2SC739(BCE)	107
2SC739A(BCE)	107
2SC739B(BCE)	107
2SC739C(BCE)	107
2SC739D(BCE)	107
2SC740	108
2SC741	486
2SC752	85
2SC752G	85
2SC752G-O	85
2SC752G-R	85
2SC752G-TM-Y	85
2SC752G-Y	85
2SC752O	85
2SC752R	85
2SC752TM-Y	85
2SC752Y	85
2SC756	282§
2SC756-1	282§
2SC756-1-1	282§
2SC756-1-2	282§
2SC756-1-3	282§
2SC756-1-4	282§
2SC756-2	282§
2SC756-2-1	282§
2SC756-2-2	282§
2SC756-2-3	282§
2SC756-2-4	282§
2SC756-2-5	282§
2SC756-3	282§
2SC756-3-1	282§
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2SC1008	128
2SC1008A	128
2SC1009	2408
2SC1009A	2408
2SC1009AFA3	2408
2SC1009AFA4	2408
2SC1009F1	2408
2SC1009F2	2408
2SC1009F3	2408
2SC1009F4	2408
2SC1009F5	2408
2SC1010(EBC)	199
2SC1010A(EBC)	199
2SC1010B(EBC)	199
2SC1010C(EBC)	199
2SC1012	154
2SC1012-0	378
2SC1012A	154
2SC1012E	154
2SC1013	300
2SC1013B	300
2SC1013C	300
2SC1013D	300
2SC1014	300
2SC1014B	300
2SC1014C	300
2SC1014C1	300
2SC1014CD	300
2SC1014D	300
2SC1014D1	300
2SC1014E	300
2SC1015FA-1	290A
2SC1017	299
2SC1017-05	299

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2SC1018	299
2SC1018-05	299
2SC1018B	299
2SC1023	107
2SC1023G	107
2SC1023-O	107
2SC1023Y	107
2SC1023-Y	107
2SC1024	175
2SC1024B	175
2SC1024C	175
2SC1024D	175
2SC1024-D2	175
2SC1024E	175
2SC1024F	175
2SC1025	175
2SC1025CTV	175
2SC1025D	175
2SC1025E	175
2SC1025J	175
2SC1025MT	175
2SC1026	107
2SC1026G	107
2SC1026Y	107
2SC1027	163A
2SC1030	87
2SC1030A	87
2SC1030B	87
2SC1030C	87
2SC1030D	87
2SC1031	286
2SC1032	107
2SC1032G	107
2SC1032Y	107
2SC1033	287
2SC1033A	287
2SC1034	358
2SC1034A	358
2SC1035	161
2SC1035C	161
2SC1035D	161
2SC1035E	161
2SC1036	161
2SC1043	76◆
2SC1044	161
2SC1045	164
2SC1045B	164
2SC1045C	164
2SC1045D	164
2SC1045E	164
2SC1045R	164
2SC1046	165
2SC1046K	165
2SC1046N	165
2SC1047	107
2SC1047B	107
2SC1047BC	107
2SC1047BCD	107
2SC1047BD	107
2SC1047C	107
2SC1047-C	107
2SC1047CD	107
2SC1047D	107
2SC1047E	107
2SC1048	154
2SC1048B	154
2SC1048C	154
2SC1048D	154
2SC1048E	154
2SC1048F	154
2SC1048N	154
2SC1050	94
2SC1050C	94
2SC1050D	94
2SC1050E	94
2SC1050F	94
2SC1051	280
2SC1051C	280
2SC1051D	280
2SC1051E	280
2SC1051F	280
2SC1051L	280
2SC1051LC	280
2SC1051LD	280
2SC1051LE	280
2SC1051LF	280
2SC1052	128
2SC1053	128
2SC1054	161
2SC1055	384
2SC1055F	384
2SC1055H	384
2SC1056	154
2SC1059	124
2SC1060	152
2SC1060A	152
2SC1060B	152
2SC1060BM	152
2SC1060C	152
2SC1060D	152
2SC1061	152
2SC1061A	152
2SC1061B	152
2SC1061BT	152
2SC1061C	152
2SC1061D	152
2SC1061K	152
2SC1061KA	152
2SC1061KB	152
2SC1061KC	152
2SC1061KD	152
2SC1061T	152
2SC1061TB	152
2SC1061T-B	152
2SC1062	396
2SC1067	161
2SC1068	278
2SC1071	123A
2SC1072A	285
2SC1074	363◆
2SC1075	364◆
2SC1076	365◆
2SC1078	369
2SC1079	280
2SC1079R	280
2SC1079Y	280
2SC1080	280
2SC1080R	280
2SC1080Y	280
2SC1083	346
2SC1085	123A
2SC1086	389
2SC1086M	389
2SC1089	376
2SC1089B	375
2SC1089BD	375
2SC1089C	375
2SC1089D	375
2SC1093/3ZL	165
2SC1095	186A
2SC1095(6)	186A
2SC1095L	186A
2SC1095M	186A
2SC1096	186A
2SC1096(M)	186A
2SC1096(3ZL)	186A
2SC1096-3SL	186A
2SC1096-3ZL	186A
2SC1096/3ZL	186A
2SC1096-3ZM	186A
2SC1096-4ZL	186A
2SC1096-4Z-L	186A
2SC1096A	186A
2SC1096B	186A
2SC1096C	186A
2SC1096D	186A
2SC1096E	186A
2SC1096K	186A
2SC1096L	186A
2SC1096LM	186A
2SC1096M	186A
2SC1096N	186A
2SC1096S	186A
2SC1096W	186A
2SC1096ZL	186A
2SC1098	186
2SC1098(4)K	186
2SC1098(4)L	186
2SC1098-4K	186
2SC1098-4L	186
2SC1098A	186
2SC1098B	186
2SC1098C	186
2SC1098D	186
2SC1098K	186
2SC1098L	186
2SC1098M	186
2SC1099	165
2SC1099K	165
2SC1100	389
2SC1101	164
2SC1101A	164
2SC1101B	164
2SC1101C	164
2SC1101D	164
2SC1101E	164
2SC1101F	164
2SC1101I	164
2SC1102	124
2SC1102(M)	124
2SC1102A	124
2SC1102B	124
2SC1102C	124
2SC1102K	124
2SC1102L	124
2SC1102M	124
2SC1103	154
2SC1103(A)	154
2SC1103A	154
2SC1103B	154
2SC1103C	154
2SC1103L	154
2SC1104	286
2SC1104A	286
2SC1104B	286
2SC1104C	286
2SC1104K	286
2SC1104L	286
2SC1105	124
2SC1105A	124
2SC1105B	124
2SC1105C	124
2SC1105K	124
2SC1105L	124
2SC1105M	124
2SC1106	94
2SC1106A	94
2SC1106B	94
2SC1106C	94
2SC1106K	94
2SC1106L	94
2SC1106M	94
2SC1106P	94
2SC1106Q	94
2SC1106R	94
2SC1107	291
2SC1107Q	291
2SC1108	291
2SC1109	291
2SC1110	87
2SC1111	87
2SC1112	87
2SC1113	384
2SC1114	94
2SC1115	280
2SC1116	284
2SC1116-0	284
2SC1116A	284
2SC1117	161
2SC1117H	161
2SC1122A	364
2SC1123	123AP
2SC1124	190
2SC1124E	190
2SC1124JA	190
2SC1124JD	190
2SC1126	229
2SC1127	171
2SC1127E	171
2SC1127H	171
2SC1127HE	171
2SC1127JR	171
2SC1128	229
2SC1128(M)	229
2SC1128(S)	229
2SC1128(Final IF)	233
2SC1128(3rd IF)	233
2SC1128C	229
2SC1128D	229
2SC1128H	229
2SC1128S(3rdIF)	233
2SC1129	229
2SC1129(M)	229
2SC1129(R)	229
2SC1129R	229
2SC1140	386
2SC1141	386
2SC1142	283
2SC1143	283
2SC1150	128
2SC1151	164
2SC1151A	164
2SC1152	162
2SC1152F	162
2SC1152G	162
2SC1153	389
2SC1153A	389
2SC1154	389
2SC1155	190
2SC1156	190
2SC1157	190
2SC1158	313◆
2SC1159	313◆
2SC1160	175
2SC1160K	175
2SC1160L	175
2SC1161	175
2SC1165	486
2SC1165RG	486
2SC1166	289A
2SC1166-0	289A
2SC1166D	289A
2SC1166GR	289A
2SC1166-O	289A
2SC1166O	289A
2SC1166R	289A
2SC1166X	289A
2SC1166Y	289A
2SC1166-Y	289A
2SC1167	389
2SC1168	124
2SC1168X	124
2SC1169	427/489
2SC1170	389
2SC1170A	389
2SC1170B	389
2SC1170B/FA-2	389
2SC1171	164
2SC1172	238
2SC1172A	238
2SC1172B	238
2SC1173	152
2SC1173(RF PWR)	236
2SC1173-0	152
2SC1173A	152
2SC1173C	152
2SC1173-GR	152
2SC1173L	152
2SC1173M	152
2SC1173-O	152
2SC1173R	152
2SC1173-R	152
2SC1173X	152
2SC1173X(RF PWR)	236
2SC1173X0	152
2SC1173XO	152
2SC1173-Y	152
2SC1173Y	152
2SC1173Y(Audio)	152
2SC1174	389
2SC1175	289A
2SC1175A	289A
2SC1175C	289A
2SC1175D	289A
2SC1175E	289A
2SC1175F	289A
2SC1176	350◆
2SC1176A	350◆
2SC1178A	351◆
2SC1180	161
2SC1182B	161
2SC1182C	161
2SC1182D	161
2SC1184	164
2SC1184A	164
2SC1184B	164
2SC1184C	164
2SC1184D	164
2SC1184E	164
2SC1185	162
2SC1185A	162
2SC1185B	162
2SC1185C	162
2SC1185K	162
2SC1185L	162
2SC1185M	162
2SC1187	229
2SC1188	229
2SC1188K	229
2SC1188L	229
2SC1188M	229
2SC1189K	229
2SC1189L	229
2SC1189M	229
2SC1190	350◆
2SC1195	94
2SC1195/FA-1	94
2SC1195FA-1	94
2SC1199	278
2SC1204	289A
2SC1204B	289A
2SC1204C	289A
2SC1204D	199
2SC1205	289A
2SC1205A	289A
2SC1205B	289A
2SC1205C	289A
2SC1208A	320◆
2SC1209(BCE)	85
2SC1209C(BCE)	85
2SC1209D(BCE)	85
2SC1209E(BCE)	85
2SC1210(BCE)	85
2SC1210C(BCE)	85
2SC1210D(BCE)	85
2SC1210E(BCE)	85
2SC1211(BCE)	289A
2SC1211C(BCE)	289A
2SC1211D(BCE)	289A
2SC1211E(BCE)	289A
2SC1212	373
2SC1212A	373
2SC1212AA	373
2SC1212AB	373
2SC1212ABWT	373
2SC1212AC	373
2SC1212ACWT	373
2SC1212AWT	373#
2SC1212AWTA	373
2SC1212AWTB	373
2SC1212AWTC	373
2SC1212B	373
2SC1212C	373
2SC1212WT	373
2SC1212WTA	373
2SC1212WTB	373
2SC1212WTC	373
2SC1213	289A
2SC1213A	289A
2SC1213AA	289A
2SC1213AB	289A
2SC1213AC	289A
2SC1213AD	289A
2SC1213AK	289A
2SC1213AKA	289A
2SC1213AKB	289A
2SC1213AKC	289A
2SC1213AKD	289A
2SC1213B	289A
2SC1213BC	289A
2SC1213C	289A
2SC1213CD	289A
2SC1213D	289A
2SC1214	289A
2SC1214A	289A
2SC1214B	289A
2SC1214C	289A
2SC1214D	289A
2SC1215	107
2SC1215R	107
2SC1215S	107
2SC1215T	107
2SC1219	289A
2SC1220	289A
2SC1220-003	289A
2SC1220E	289A
2SC1220F	289A
2SC1222	199
2SC1222A	199
2SC1222B	199
2SC1222C	199
2SC1222D	199
2SC1222E	199
2SC1222F	199
2SC1222U	199
2SC1226	186A
2SC1226-0	186A
2SC1226A	186A
2SC1226AC	186A
2SC1226AP	186A
2SC1226AQ	186A
2SC1226AR	186A
2SC1226ARL	186A
2SC1226B	186A
2SC1226C	186A
2SC1226CF	186A
2SC1226D	186A
2SC1226F	186A
2SC1226L	186A
2SC1226O	186A
2SC1226P	186A
2SC1226Q	186A
2SC1226QR	186A
2SC1226R	186A
2SC1226RL	186A
2SC1226RLP	186A
2SC1226RL-P	186A
2SC1226RLQ	186A
2SC1226RLR	186A
2SC1226SC	186A
2SC1227F	385
2SC1228	385◆
2SC1230	385◆
2SC1235	124
2SC1235AL	124
2SC1235AM	124
2SC1237	235
2SC1237E	235
2SC1237H	235
2SC1237K	235
2SC1239	427/282§
2SC1243	300
2SC1243-24	300
2SC1243C	300
2SC1243C1	300
2SC1243C2	300
2SC1243D	300
2SC1243D1	300
2SC1243D2	300
2SC1243E	300
2SC1244	123A
2SC1246	289A
2SC1246A	289A
2SC1246AB	289A
2SC1246AF	289A
2SC1246AFB	289A
2SC1246AFG	289A
2SC1246AFV	289A
2SC1246AG	289A
2SC1246AV	289A
2SC1246F	289A
2SC1247	289A
2SC1247A	289A
2SC1247AB	289A
2SC1247AF	289A
2SC1247AFB	289A
2SC1247AFG	289A
2SC1247AFV	289A
2SC1247AG	289A
2SC1247AV	289A
2SC1247F	289A
2SC1252	77
2SC1253	278
2SC1254	161
2SC1257	349
2SC1258	350
2SC1268R	54#
2SC1275	316
2SC1278(ECB)	194
2SC1278S(ECB)	194
2SC1279(ECB)	287
2SC1279S(ECB)	287
2SC1279SF	287
2SC1279SH	287
2SC1280	172A
2SC1280A	172A
2SC1280AS	172A
2SC1280S	172A
2SC1284	107
2SC1284C	107
2SC1284D	107
2SC1284E	107
2SC1284F	107
2SC1285S	289A
2SC1293	107
2SC1293A	107
2SC1293A(3RD IF)(ECB)	233
2SC1293B	107
2SC1293B(3RD IF)(ECB)	233
2SC1293C	107
2SC1293C(3RD IF)(ECB)	233
2SC1293D	107
2SC1295	389
2SC1295A	389
2SC1295-O	389
2SC1296	165
2SC1303	346
2SC1303-Q	474
2SC1304	286
2SC1304BK	286
2SC1306	235
2SC1306/1	235
2SC1306-1	235
2SC1306I	235
2SC1306K	235
2SC1306Q	235
2SC1307	236
2SC1307-1	236
2SC1307K	236
2SC1308	238
2SC1308K	238
2SC1308N	238
2SC1309	165
2SC1310	85
2SC1310D	85
2SC1310E	85
2SC1310F	85
2SC1310G	199
2SC1311	85
2SC1311D	85
2SC1311E	85
2SC1311F	85
2SC1311G	199
2SC1312(BCE)	199
2SC1312E(BCE)	199
2SC1312F(BCE)	199
2SC1312G(BCE)	199
2SC1312H(BCE)	199
2SC1312R(BCE)	199
2SC1312Y(BCE)	199
2SC1312YF(BCE)	199
2SC1312YG(BCE)	199
2SC1312YH(BCE)	199
2SC1313(BCE)	199
2SC1313F(BCE)	199
2SC1313G(BCE)	199
2SC1313H(BCE)	199
2SC1313Y(BCE)	199
2SC1313YE(BCE)	199
2SC1313YF(BCE)	199
2SC1313YG(BCE)	199
2SC1313YH(BCE)	199
2SC1315	278
2SC1316	277§
2SC1317	289A
2SC1317B	289A
2SC1317D	289A
2SC1317NC	289A
2SC1317P	289A
2SC1317Q	289A
2SC1317R	289A
2SC1317S	289A
2SC1317T	289A
2SC1318	289A
2SC1318A	289A
2SC1318NC	289A
2SC1318P	289A
2SC1318PQR	289A
2SC1318Q	289A
2SC1318QR	289A
2SC1318R	289A
2SC1318S	289A
2SC1318T	289A
2SC1318X	289A
2SC1320K	107
2SC1324	278
2SC1325	238
2SC1325A	238
2SC1325AK	238
2SC1325AL	238
2SC1326	311
2SC1327	199
2SC1327FS	199
2SC1327R	199
2SC1327S	199
2SC1327T	199
2SC1327T/U	199
2SC1327TU	199
2SC1327TV	199
2SC1327U	199
2SC1327XAN	199
2SC1327Y	199
2SC1328	199
2SC1328R	199
2SC1328S	199
2SC1328T	199
2SC1328U	199
2SC1330	192A
2SC1330A	192A
2SC1330B	192A
2SC1330C	192A
2SC1330D	192A
2SC1330L	192A
2SC1330R	192A
2SC1332	288
2SC1335	199
2SC1335A	199
2SC1335B	199
2SC1335C	199
2SC1335D	199
2SC1335E	199
2SC1335F	199
2SC1336Q	186A
2SC1337	364◆
2SC1337A	364◆
2SC1340	76◆
2SC1342	107
2SC1342A	107
2SC1342B	107
2SC1342C	107
2SC1343	280
2SC1343-05	280
2SC1343A	280
2SC1343B	280
2SC1343C	280
2SC1343H	280
2SC1343HA	280
2SC1343HB	280
2SC1344	199
2SC1344C	199
2SC1344D	199
2SC1344E	199
2SC1344F	199
2SC1344K	199
2SC1344KD	199
2SC1344KE	199
2SC1344KF	199
2SC1345	199
2SC1345C	199
2SC1345D	199
2SC1345E	199
2SC1345F	199
2SC1345K	199
2SC1346	192A
2SC1346P	192A
2SC1346Q	192A
2SC1346R	192A
2SC1346S	192A
2SC1347	192A
2SC1347P	192A
2SC1347Q	192A
2SC1347R	192A
2SC1347S	192A
2SC1348	389
2SC1358	165
2SC1358A	165
2SC1358K	165
2SC1358K1	165
2SC1358K2	165
2SC1358K3	165
2SC1358L	238
2SC1358M	238
2SC1358P	165
2SC1358Q	165
2SC1358R	165
2SC1359	85
2SC1359A	85
2SC1359B	85
2SC1359BC	85
2SC1359C	85
2SC1359D	85
2SC1359Q	85
2SC1360	293◆
2SC1361	289A
2SC1362	289A
2SC1363	85
2SC1363-6	85
2SC1363-7	85
2SC1363-7A	85
2SC1363-8	85
2SC1364	85
2SC1364-4	85
2SC1364-5	85
2SC1364-6	85
2SC1364-7	85
2SC1364A	85
2SC1364P	85
2SC1365	278◆
2SC1367	164
2SC1367A	164
2SC1368B	184
2SC1369	199
2SC1372	289A
2SC1372B	289A
2SC1372G	289A
2SC1372V	289A
2SC1372Y	289A
2SC1375H	123A
2SC1376H	123A◆
2SC1377	236
2SC1380	123A
2SC1380A	123A
2SC1380AGR	123A
2SC1380GR	123A
2SC1382	373
2SC1382-0	373
2SC1382-O	373
2SC1382Y	373
2SC1383	293
2SC1383B	293
2SC1383C	293
2SC1383NC	293
2SC1383NCP	293
2SC1383NCPQR	293
2SC1383NCQ	293
2SC1383NCR	293
2SC1383P	293
2SC1383PQR	293
2SC1383Q	293
2SC1383-QR	293
2SC1383R	293
2SC1383RS	293
2SC1383S	293
2SC1383X	293
2SC1384	293
2SC1384NC	293
2SC1384P	293
2SC1384Q	293
2SC1384R	293
2SC1384S	293
2SC1385H	123A◆
2SC1386	128
2SC1386H	128
2SC1387	278
2SC1388	128
2SC1390	123A
2SC1390F	123A
2SC1390H	123A
2SC1390I	123A
2SC1390J	123A
2SC1390K	123A
2SC1390L	123A
2SC1390V	123A
2SC1390W	123A
2SC1390WH	123A
2SC1390WI	123A
2SC1390WX	123A
2SC1390X	123A
2SC1390XJ	123A
2SC1390XK	123A
2SC1390Y	123A
2SC1390YM	123A
2SC1391	124
2SC1391VL	124
2SC1393	229
2SC1393K	229
2SC1393L	229
2SC1393M	229
2SC1394	229
2SC1394K	229
2SC1394L	229
2SC1394M	229
2SC1395(BEC)	107
2SC1396(BEC)	107
2SC1396M(BEC)	107

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
2SC1398	152
2SC1398A	196
2SC1398AP	196
2SC1398AQ	196
2SC1398O	152
2SC1398P	152
2SC1398Q	152
2SC1400	90
2SC1402	280
2SC1403	87
2SC1403A	87
2SC1406(ECB)	192
2SC1406P(ECB)	192
2SC1406Q(ECB)	192
2SC1406R(ECB)	192
2SC1406S(ECB)	192
2SC1406X(ECB)	192
2SC1407(ECB)	192
2SC1407P(ECB)	192
2SC1407Q(ECB)	192
2SC1407R(ECB)	192
2SC1407S(ECB)	192
2SC1407X(ECB)	192
2SC1409	375
2SC1409A	375
2SC1409AA	375
2SC1409AB	375
2SC1409AC	375
2SC1409B	375
2SC1409C	375
2SC1410	375
2SC1410A	375
2SC1410AA	375
2SC1410AB	375
2SC1410AC	375
2SC1410B	375
2SC1410C	375
2SC1411	123A
2SC1413	165
2SC1413A	165
2SC1413AH	165
2SC1413AV	165
2SC1416	123A
2SC1416BL	123A
2SC1417	107
2SC1417C	107
2SC1417D	107
2SC1417D(U)	107
2SC1417DU	107
2SC1417F	107
2SC1417G	107
2SC1417H	107
2SC1417U	107
2SC1417V	107
2SC1417VW	107
2SC1417W	107
2SC1418	152
2SC1418A	152
2SC1418B	152
2SC1418C	152
2SC1418D	152
2SC1419	152
2SC1419A	152
2SC1419B	152
2SC1419C	152
2SC1419D	152
2SC1424	316
2SC1429	152
2SC1429-1	152
2SC1429-2	152
2SC1431	286
2SC1431-1	286
2SC1431-2	286
2SC1433	283
2SC1434	386
2SC1436	386
2SC1438(ECB)	194
2SC1439(ECB)	194
2SC1440	386
2SC1441	386
2SC1444	196
2SC1445	196
2SC1446	376
2SC1446B	376
2SC1446C	376
2SC1446L	376
2SC1446LB	376
2SC1446LB11	198
2SC1446LL	376
2SC1446P	376
2SC1446PQ	376
2SC1446Q	376
2SC1446R	376
2SC1447	376
2SC1447-0	376
2SC1447A	376
2SC1447BK	376
2SC1447/FA-2	376
2SC1447GL3	376
2SC1447LB	376
2SC1447-O	376
2SC1447R	376
2SC1448	375
2SC1448A	375
2SC1448LB	375
2SC1448P	375
2SC1448Q	375
2SC1448R	375
2SC1448S	375
2SC1449	184
2SC1449(CB)	295
2SC1449I	184◆
2SC1449L	184
2SC1449M	184
2SC1449N	184
2SC1450	286
2SC1450S	286
2SC1454	94
2SC1454-0	94
2SC1456	124
2SC1456K	124
2SC1456L	124
2SC1456LM	124
2SC1456M	124
2SC1463	385◆
2SC1466	369
2SC1467	369◆
2SC1468	53
2SC1469	53
2SC1472K	172A
2SC1472KA	172A
2SC1472KB	172A
2SC1473	399
2SC1473A	399
2SC1473AH	399
2SC1473AP	399
2SC1473AQ	399
2SC1473AR	399
2SC1473N	399
2SC1473NC	399
2SC1473NCQ	399
2SC1473P	399
2SC1473Q	399
2SC1473QNC	399
2SC1473QR	399
2SC1473R	399
2SC1473-RNC	399
2SC1475	315
2SC1475-1	315
2SC1475-3	315
2SC1475-4	315
2SC1475A	315
2SC1475D	315
2SC1475E	315
2SC1475H	315
2SC1475HE	315
2SC1475J	315
2SC1475K	315
2SC1477	283
2SC1485	287
2SC1501	157
2SC1501P	157
2SC1501Q	157
2SC1501R	157
2SC1504	162
2SC1505	198
2SC1505(I)	198
2SC1505-1	198
2SC1505A	198
2SC1505I	198
2SC1505K	198
2SC1505L	198
2SC1505LA	198
2SC1505M	198
2SC1506	198
2SC1506K	198
2SC1506L	198
2SC1506M	198
2SC1507	198
2SC1507A	198
2SC1507H	198
2SC1507I	198
2SC1507K	198
2SC1507L	198
2SC1507LK	198
2SC1507LM	198
2SC1507M	198
2SC1507-O	198
2SC1507R	198
2SC1507Y	198
2SC1509	297
2SC1509P	297
2SC1509Q	297
2SC1509R	297
2SC1509S	297
2SC1513	278
2SC1514	376
2SC1514-05	376
2SC1514-14	376
2SC1514-15	376
2SC1514B	376
2SC1514BK	376
2SC1514BVC	376
2SC1514CS	376
2SC1514CVC	376
2SC1514E	376
2SC1514V	376
2SC1514VC	376
2SC1515(ECB)	287
2SC1515C(ECB)	287
2SC1515K(ECB)	287
2SC1516	186A
2SC1516K	186A
2SC1516KB	186A
2SC1516KC	186A
2SC1516KD	186A
2SC1517A	228A
2SC1517AK	228A
2SC1517AKB	228A
2SC1517AKC	228A
2SC1518	293
2SC1518R	293
2SC1518S	293
2SC1519	198
2SC1520	198
2SC1520-1	198
2SC1520-1A	198
2SC1520-3	198
2SC1520-3A	198
2SC1520E	198
2SC1520EK	198
2SC1520EX	198
2SC1520I	198
2SC1520K	198
2SC1520K-1	198
2SC1520KL	198
2SC1520KLE	198
2SC1520L	198
2SC1520L-1	198
2SC1520M	198
2SC1520M-1	198
2SC1520-O	198
2SC1521	198◆
2SC1521K	198◆
2SC1521L	198◆
2SC1521LM	198◆
2SC1521M	198◆
2SC1522	376
2SC1537	199
2SC1537B	199
2SC1537-O	199
2SC1537S	199
2SC1538	199
2SC1538A	199
2SC1538S	199
2SC1538SA	199
2SC1541E	199
2SC1542	199
2SC1545	172A◆
2SC1545A	172A◆
2SC1545B	172A◆
2SC1546	172A◆
2SC1547	161
2SC1550	157
2SC1565	373
2SC1565P	373
2SC1565Q	373
2SC1565R	373
2SC1566	157#
2SC1566F	228A
2SC1567	373#
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2SC1567AP	373#
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2SC1567R	373#
2SC1568	373#
2SC1568P	373#
2SC1568Q	373#
2SC1568R	373#
2SC1569	376
2SC1569BK	376
2SC1569/FA-1	376
2SC1569-FA3	376
2SC1569/FA-3	376
2SC1569-FA4	376
2SC1569/FA-5	376
2SC1569K	376
2SC1569L	376
2SC1569LB	376
2SC1569LBO	376
2SC1569LBQ	376
2SC1569LBR	376
2SC1569LBY	376
2SC1569O	376
2SC1569-O	376
2SC1569Q	376
2SC1569R	376
2SC1569-R	376
2SC1569Y	376
2SC1569-Y	376
2SC1570	199
2SC1570F	199
2SC1570G	199
2SC1570GL	199
2SC1570H	199
2SC1570HL	199
2SC1570LG	199
2SC1570LH	199
2SC1571	199
2SC1571F	199
2SC1571FL	199
2SC1571G	199
2SC1571H	199
2SC1571L	199
2SC1571LG	199
2SC1571LH	199
2SC1573	399
2SC1573A	399
2SC1573AP	399
2SC1573AQ	399
2SC1573AQR	399
2SC1573AR	399
2SC1573NC	399
2SC1573P	399
2SC1573Q	399
2SC1573R	399
2SC1576	385
2SC1577	386
2SC1578	386
2SC1579	386
2SC1580	386
2SC1583	42
2SC1583F	42
2SC1583G	42
2SC1583H	42
2SC1584	284
2SC1585	388
2SC1585F	388
2SC1585H	388
2SC1586	388
2SC1588	278
2SC1589	474
2SC1589KL	474
2SC1610	327
2SC1613(ECB)	287◆
2SC1613N(ECB)	287◆
2SC1613P(ECB)	287◆
2SC1614(ECB)	287◆
2SC1614N(ECB)	287◆
2SC1614P(ECB)	287◆
2SC1615(ECB)	287◆
2SC1615N(ECB)	287◆
2SC1615P(ECB)	287◆
2SC1617	283
2SC1618	87
2SC1618B	87
2SC1618G	87
2SC1619	87
2SC1619A	87
2SC1622	2408
2SC1622A	2410
2SC1622AD15	2410
2SC1622AD16	2410
2SC1622D6	2408
2SC1622D7	2408
2SC1623	2408
2SC1623L4	2408
2SC1623L5	2408
2SC1623L6	2408
2SC1623L7	2408
2SC1624	291
2SC1624-0	291
2SC1624-O	291
2SC1624T	291
2SC1624Y	291
2SC1624-Y	291
2SC1625	291
2SC1625-0	291
2SC1625-LBGL1	291
2SC1625-O	291
2SC1625Y	291
2SC1625YLBGL	291
2SC1625YLBGL1	291
2SC1626	375
2SC1626-O	375
2SC1626Y	375
2SC1626-Y	375
2SC1627	289A
2SC1627-0	289A
2SC1627A	289A
2SC1627AO	289A
2SC1627AY	289A
2SC1627O	289A
2SC1627Y	289A
2SC1627-Y	289A
2SC1627-YFA	289A
2SC1628	190
2SC1628-O	190
2SC1628-Y	190
2SC1629	86◆
2SC1629A	86
2SC1629AR	86
2SC1629M	86
2SC1630	154
2SC1632	85
2SC1632-5	85
2SC1632-6	85
2SC1632-7	85
2SC1633	85
2SC1633-5	85
2SC1633-6	85
2SC1633-7	85
2SC1634	85
2SC1634-5	85
2SC1634-6	85
2SC1634-7	85
2SC1634B	85
2SC1634HC	85
2SC1634P	85
2SC1634Y	85
2SC1635	128
2SC1636	199
2SC1637	199
2SC1639	123A
2SC1641	123A
2SC1641D	123A
2SC1641Q	123A
2SC1641R	123A
2SC1645	172A
2SC1645A	172A
2SC1645B	172A
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2SC1647R	199
2SC1647RY	199
2SC1648	199
2SC1648E	199
2SC1648EF	199
2SC1648EY	199
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2SC1648S	199
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2SC1648SH	199
2SC1649(ECB)	287
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2SC1649P(ECB)	287
2SC1650(ECB)	287
2SC1650N(ECB)	287
2SC1650P(ECB)	287
2SC1651(ECB)	287
2SC1651N(ECB)	287
2SC1651P(ECB)	287
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2SC1652MQ	18
2SC1652MR	18
2SC1652P	18◆
2SC1652Q	18◆
2SC1652R	18◆
2SC1653	2410
2SC1653N2	2410
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2SC1654	2410
2SC1654N5	2410
2SC1654N6	2410
2SC1663	190
2SC1663A	190
2SC1663H	190
2SC1664	57
2SC1664A	57
2SC1667	130
2SC1667Q	130
2SC1667R	130
2SC1668	351◆
2SC1669	375
2SC1669-0	375
2SC1669-R	375
2SC1669-Y	375
2SC1670	382◆
2SC1670E	382◆
2SC1670H	382◆
2SC1670Ha	382◆
2SC1670HM	382◆
2SC1670J	382◆
2SC1670JA	382◆
2SC1670JC	382◆
2SC1670JD	382◆
2SC1670JE	382◆
2SC1670JW	382◆
2SC1670K	382◆
2SC1670M	382◆
2SC1670MC	382
2SC1670MD	287
2SC1670MJ	287
2SC1672	327
2SC1674	107
2SC1674K	107
2SC1674L	107
2SC1674M	107
2SC1674-M	107
2SC1675	85
2SC1675(L)	85
2SC1675B	85
2SC1675-K	85
2SC1675K	85
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2SC1675KZ	85
2SC1675L	85
2SC1675M	85
2SC1675Z	85
2SC1678	236
2SC1678b	236
2SC1678B	236
2SC1678D	236
2SC1678E	236
2SC1678H	236
2SC1678I	236
2SC1678J	236
2SC1678L	236
2SC1678N	236
2SC1678-O	236
2SC1678T	236
2SC1679	236
2SC1681	199
2SC1681B	199
2SC1681BL	199
2SC1681G	199
2SC1681GR	199
2SC1681O	199
2SC1681O-1	199
2SC1681V	199
2SC1682	199
2SC1682-BL	199
2SC1682-GR	199
2SC1682V	199
2SC1683	375
2SC1683A	375
2SC1683B	375
2SC1683L	375
2SC1683LA	375
2SC1683LB	375
2SC1683LB/P	375
2SC1683LD	375
2SC1683-O	375
2SC1683O	375
2SC1683P	375
2SC1683Q	375
2SC1683R	375
2SC1684	289A
2SC1684BL	289A
2SC1684C	289A
2SC1684H	289A
2SC1684HR	289A
2SC1684-O	289A
2SC1684P	289A
2SC1684Q	289A
2SC1684QR	289A
2SC1684QRS	289A
2SC1684R	289A
2SC1684RST	199
2SC1684S	199
2SC1684T	199
2SC1685	85
2SC1685-0	85
2SC1685C	85
2SC1685CR	85
2SC1685GR	85
2SC1685P	85
2SC1685-Q	85
2SC1685Q	85
2SC1685QR	85
2SC1685QRS	85
2SC1685R	85
2SC1685RS	85
2SC1685S	85
2SC1685ST	199
2SC1685T	199
2SC1685Y	85
2SC1686(CEB)	229
2SC1686B(CEB)	229
2SC1686C(CEB)	229
2SC1686LL	229
2SC1686V	229
2SC1687(Last IF)	233
2SC1687(CEB)	229
2SC1687C(CEB)	229
2SC1687LL(CEB)	229
2SC1687Q(CEB)	229
2SC1688(CEB)	229◆
2SC1689	360
2SC1692A	86
2SC1695	229
2SC1706H	287
2SC1707AH	123A
2SC1707AHB	123A
2SC1707AHC	123A
2SC1707AHD	123A
2SC1707H	123A
2SC1707HB	123A
2SC1707HC	123A
2SC1707HD	123A
2SC1708(BCE)	90
2SC1708A(BCE)	90
2SC1709	123AP
2SC1721	293
2SC1722	376◆
2SC1722BK	376◆
2SC1722BKS	376◆
2SC1722S	376◆
2SC1723	376◆
2SC1723-02	376◆
2SC1723A	376◆
2SC1727	229
2SC1728	302
2SC1728-3	302
2SC1728D	302
2SC1728H	302
2SC1729	344
2SC1730	107
2SC1730(L)	107
2SC1730K	107
2SC1730L	107
2SC1734H	123A
2SC1735(BCE)	289A
2SC1735C(BCE)	289A
2SC1735D(BCE)	289A
2SC1735E	289A
2SC1736	199
2SC1737	199
2SC1738	199
2SC1738B	199
2SC1739	123A
2SC1740	85
2SC1740C	85
2SC1740D	85
2SC1740E	85
2SC1740L	85
2SC1740LN	85
2SC1740LNS	85
2SC1740P	85
2SC1740Q	85
2SC1740QV	85
2SC1740R	85
2SC1740RE	85
2SC1740RL	85
2SC1740RM	85
2SC1740RV	85
2SC1740S	85
2SC1741	85
2SC1741AP	85
2SC1741P	85
2SC1741Q	85
2SC1741R	289A
2SC1748	396
2SC1749	376
2SC1749B	376
2SC1749C	376
2SC1749D	376
2SC1749E	376
2SC1749XD	376
2SC1752	287
2SC1753	287
2SC1755	376
2SC1755A	376
2SC1755C	376
2SC1755D	376
2SC1755E	376
2SC1756	376
2SC1756A	376
2SC1756B	376
2SC1756C	376
2SC1756D	376
2SC1756E	376
2SC1756HP	376
2SC1756K	376
2SC1756KE	376
2SC1756M	376
2SC1756MC	376
2SC1756N	376
2SC1756-O	376
2SC1757	376
2SC1757C	376
2SC1757D	376
2SC1757E	376
2SC1758	171
2SC1758-K	171
2SC1758-L	171
2SC1758-M	171
2SC1758-N	171
2SC1760	306
2SC1760-2	306
2SC1760/2	306
2SC1760-3	306
2SC1760/4	306
2SC1760-4	306
2SC1760E	306
2SC1760H	306
2SC1760HY	306
2SC1760JA	306
2SC1761	306◆
2SC1763	471◆
2SC1764	471
2SC1766	85
2SC1766B	85
2SC1766C	85
2SC1766D	85
2SC1766E	199
2SC1766F	199
2SC1768	86
2SC1773	123AP
2SC1774	123AP
2SC1775	90
2SC1775A	90
2SC1776	123AP
2SC1777	87
2SC1778(CEB)	229
2SC1779(CEB)	319P
2SC1779-A(CEB)	319P
2SC1779-B(CEB)	319P
2SC1780(ECB)	278
2SC1781A	123A
2SC1781B	123A
2SC1781C	123A
2SC1781H	123A
2SC1781HA	123A
2SC1781HB	123A
2SC1781HC	123A
2SC1782	87
2SC1783	87
2SC1784	284
2SC1785	388
2SC1786	388
2SC1787	26
2SC1787LF	26
2SC1787S	26
2SC1787T	26
2SC1788	289A
2SC1788P	289A
2SC1788Q	289A
2SC1788R	289A
2SC1789	107
2SC1789A	107
2SC1789B	107
2SC1790	316
2SC1807	311
2SC1809	107
2SC1809M	107
2SC1809N	107
2SC1809P	107
2SC1810	80
2SC1811	399
2SC1815	85
2SC1815-0	85
2SC1815BE	85
2SC1815BL	85
2SC1815G	85
2SC1815GCC	85
2SC1815GR	85
2SC1815GRBL	85
2SC1815GRFA	85
2SC1815L	85
2SC1815O	85
2SC1815-O	85
2SC1815-OFA	85
2SC1815R	85
2SC1815Y	85
2SC1815-YFA	85
2SC1815YW	85
2SC1816	236◆
2SC1816(HORZ)	379
2SC1816E	236◆
2SC1816H	236◆
2SC1816HM	236◆
2SC1817	236◆
2SC1818	280
2SC1819	376
2SC1819L	376
2SC1819M	376
2SC1819R	376
2SC1819RL	376
2SC1826	241
2SC1826-0	196
2SC1826D	196
2SC1826F	196
2SC1826G	196
2SC1826O	196
2SC1826P	196
2SC1826Q	196
2SC1826R	196
2SC1826Y	196
2SC1827	291
2SC1827Y	291
2SC1828	369
2SC1828B	369
2SC1828R	369
2SC1829	86
2SC1829C	86
2SC1829FA-1	86
2SC1833	85
2SC1834	85
2SC1840	199

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2SC1840-E	199
2SC1840E	199
2SC1840F	199
2SC1840-F	199
2SC1840P	199
2SC1840-P	199
2SC1841	90
2SC1841E	90
2SC1841F	90
2SC1841P	90
2SC1841U	90
2SC1842	199
2SC1842E	199
2SC1842F	199
2SC1842P	199
2SC1842U	199
2SC1843	199
2SC1843E	199
2SC1843F	199
2SC1843P	199
2SC1844	199
2SC1844E	199
2SC1844-E	199
2SC1844F	199
2SC1844-F	199
2SC1844P	199
2SC1844-P	199
2SC1845	90
2SC1845E	90
2SC1845F	90
2SC1845P	90
2SC1845U	90
2SC1846	373#
2SC1846B	373#
2SC1846P	373#
2SC1846-Q	373#
2SC1846Q	373#
2SC1846R	373#
2SC1846-Y	373#
2SC1847	373#
2SC1847-0	373#
2SC1847Q	373#
2SC1847QBF	373#
2SC1847QR	373#
2SC1847R	373#
2SC1847V	373#
2SC1847VQ	373#
2SC1847VR	373#
2SC1848	186A
2SC1848O	186A
2SC1848P	186A
2SC1848Q	186A
2SC1848R	186A
2SC1849	123AP
2SC1849O	123AP
2SC1849P	123AP
2SC1849Q	123AP
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2SC1906B	107♦
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2SC1962-O	191
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2SC2029B/10	235
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2SC2062C(ECB)	46
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2SC2235	382♦
2SC2236	382
2SC2236-0	382
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2SC2236Y	382
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2SC2240GR	199♦
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2SC2246	53
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2SC2274KF	289A
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2SC2275Q	375
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2SC2279	171
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2SC2291F	44
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2SC2356	386
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2SC2361A	241
2SC2362	199♦
2SC2362K	199♦
2SC2363(ECB)	194
2SC2363E(ECB)	194
2SC2363F(ECB)	194
2SC2364	2307
2SC2365	163A♦
2SC2368	64
2SC2369	64
2SC2371	157
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2SC2371L	157
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2SC2371V	157
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2SC2373-L	379♦
2SC2373L	379♦
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2SC2385(BCE)	199
2SC2385F(BCE)	199
2SC2385G(BCE)	199
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2SC2396F	199
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2SC2399B	108
2SC2399C	108
2SC2402	284♦
2SC2405	2406
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2SC2412KS	2408
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2SC2413N	2408
2SC2413P	2408
2SC2413Q	2408
2SC2414	52
2SC2415	53
2SC2416	53
2SC2420	345
2SC2427	379
2SC2428	327
2SC2428K	327

♦, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
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2SC2432	328◆
2SC2433	387◆
2SC2434	387◆
2SC2435	97◆
2SC2436	98◆
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2SC2540	477
2SC2541	2308
2SC2542	379
2SC2543	199◆
2SC2544	199◆
2SC2545	199
2SC2545D	199
2SC2545E	199
2SC2545F	199
2SC2546	199◆
2SC2547	199◆
2SC2548	10
2SC2550	123A
2SC2550-0	123A
2SC2550-GR	123A
2SC2550-Y	123A
2SC2551	399
2SC2551O	399
2SC2551-O	399
2SC2551R	399
2SC2553	379
2SC2555	2308
2SC2555Z	2308
2SC2556	373#
2SC2556A	373#
2SC2557	199
2SC2557-S	199
2SC2557-T	199
2SC2557-U	199
2SC2560	107
2SC2561	107
2SC2561-A	107
2SC2561-B	107
2SC2562	377
2SC2562-0	377
2SC2562-Y	377
2SC2563	36
2SC2564	33
2SC2564O	33
2SC2564R	33
2SC2564Y	33
2SC2565	33
2SC2565O	33
2SC2565R	33
2SC2565Y	33
2SC2568	157
2SC2568D	157
2SC2568K	157
2SC2568L	157
2SC2568LD	157
2SC2568M	157
2SC2570	10
2SC2570A	10
2SC2575(BCE)	85
2SC2575D(BCE)	85
2SC2575E(BCE)	85
2SC2575F(BCE)	85
2SC2575L(BCE)	85
2SC2575LE(BCE)	85
2SC2575LF(BCE)	85
2SC2577	36
2SC2578	36
2SC2579	36
2SC2580	36
2SC2581	36
2SC2582	373
2SC2582Q	373#
2SC2582R	373#
2SC2587	33
2SC2588	33
2SC2589	87
2SC2590	373#
2SC2590P	373#
2SC2590Q	373#
2SC2590R	373#
2SC2591	375
2SC2591Q	375
2SC2591R	375
2SC2592	375
2SC2592R	375
2SC2594	184◆
2SC2602(BCE)	199◆
2SC2602F(BCE)	199◆
2SC2602G(BCE)	199◆
2SC2603	289A
2SC2603D	289A
2SC2603E	289A
2SC2603F	289A
2SC2603R	289A
2SC2603S	289A
2SC2607	388
2SC2608	388◆
2SC2610	399
2SC2610-05	399
2SC2610-5	399
2SC2610B	399
2SC2610BK	399
2SC2610BR	399
2SC2610K	399
2SC2610V	399
2SC2610Y	399
2SC2611	157
2SC2611-5	157
2SC2611BK	157
2SC2611V	157
2SC2612	379
2SC2613	379
2SC2616	53
2SC2617	53
2SC2618	2406
2SC2618B	2406
2SC2618C	2406
2SC2618D	2406
2SC2619	2408
2SC2619A	2408
2SC2619B	2408
2SC2619C	2408
2SC2621	157
2SC2621C	157
2SC2621D	157
2SC2621E	157
2SC2621-RA	157
2SC2621RA	157
2SC2621RAC	157
2SC2621RAD	157
2SC2621RAE	157
2SC2623	386
2SC2624	2308
2SC2625	2308
2SC2626	2311#
2SC2627	348◆
2SC2629	345◆
2SC2630	477
2SC2631	399
2SC2632	399
2SC2632-Q	399
2SC2633	376
2SC2633Q	376
2SC2633R	376
2SC2634	199
2SC2634R	199
2SC2634RS	199
2SC2634S	199
2SC2634T	199
2SC2636	15
2SC2636-T	15
2SC2637	157
2SC2637-B	157
2SC2640	344◆
2SC2646	107
2SC2647(ECB)	229
2SC2647C	85
2SC2653	157
2SC2653(H)CL	157◆
2SC2653H	157
2SC2653HCL	157
2SC2654	377◆
2SC2654L	377◆
2SC2654M	377◆
2SC2655	24
2SC2655-O	24
2SC2655Y	24
2SC2656	2308
2SC2657	389◆
2SC2657A	389◆
2SC2658KD	157
2SC2659	238
2SC2659A	238
2SC2660	375
2SC2660P	375
2SC2660Q	375
2SC2665	390
2SC2668(ECB)	229
2SC2668-0	229
2SC2668-O(ECB)	229
2SC2668-R(ECB)	229
2SC2668-Y(ECB)	229
2SC2669	107◆
2SC2669-0	289A
2SC2669-R	289A
2SC2669-Y	289A
2SC2670	289A
2SC2670-0	289A
2SC2670-Y	289A
2SC2671	10
2SC2671F	10
2SC2671H	10
2SC2673	20◆
2SC2673P	20◆
2SC2673Q	20◆
2SC2673R	20◆
2SC2675	289A
2SC2675R	289A
2SC2675S	289A
2SC2676	90
2SC2681	36
2SC2688	157
2SC2688K	157
2SC2688L	157◆
2SC2688LA	157
2SC2688M	157
2SC2688MA	157
2SC2688N	157
2SC2690A	373
2SC2694	352
2SC2703	31
2SC2704	373
2SC2704-O	373
2SC2705	31
2SC2705-O	31
2SC2705O	31
2SC2705Y	31
2SC2705-Y	31
2SC2706	36
2SC2706-O	36
2SC2706R	36
2SC2710	85
2SC2710-0	289A
2SC2712	2408
2SC2712G	2408
2SC2712O	2408
2SC2712Y	2408
2SC2713	2410
2SC2713G	2410
2SC2715	2408
2SC2715O	2408
2SC2715R	2408
2SC2715Y	2408
2SC2716	2408
2SC2716O	2408
2SC2716R	2408
2SC2716Y	2408
2SC2717	229
2SC2717FA	229
2SC2718	85
2SC2718Q	85
2SC2718R	85
2SC2719L	85◆
2SC2720	85
2SC2722	33
2SC2724	289A
2SC2724B	289A
2SC2724C	289A
2SC2724D	289A
2SC2724E	289A
2SC2727	64
2SC2729	63
2SC2734	2402
2SC2738	51
2SC2739	379
2SC2740	2308
2SC2749	2308
2SC2751	2311#
2SC2753	10
2SC2754	399
2SC2766	92
2SC2767	379
2SC2768	379
2SC2769	2308
2SC2773	58
2SC2774	58
2SC2775	2410
2SC2776	2406
2SC2776A	2406
2SC2776B	2406
2SC2776C	2406
2SC2784	26
2SC2784E	26
2SC2784F	26
2SC2784MF	26
2SC2784P	26
2SC2785	85◆
2SC2785E	199◆
2SC2785F	85◆
2SC2785H	85◆
2SC2785J	85◆
2SC2785K	199
2SC2785R	85◆
2SC2786	107◆
2SC2786F	107
2SC2786K	107◆
2SC2786L	107◆
2SC2786M	107◆
2SC2787	107◆
2SC2787K	107◆
2SC2787L	107◆
2SC2787M	107◆
2SC2788	2308
2SC2789	2308
2SC2790	389◆
2SC2791	389◆
2SC2792	2309
2SC2803	373
2SC2808	90◆
2SC2808E	90◆
2SC2808R	90◆
2SC2808S	90◆
2SC2809	394#
2SC2810	379
2SC2812	2408
2SC2812L4	2408
2SC2812L5	2408
2SC2812L6	2408
2SC2812L7	2408
2SC2814	2408
2SC2814F2	2408
2SC2814F3	2408
2SC2814F4	2408
2SC2814F5	2408
2SC2815	379
2SC2816	379
2SC2818	386
2SC2818H	386
2SC2819	388
2SC2820	388
2SC2821	2410
2SC2821D	2410
2SC2824	373
2SC2824-O	373
2SC2825	2307◆
2SC2826	51
2SC2827	379
2SC2828	2308
2SC2829	2319
2SC2831	2303
2SC2831A	2303
2SC2833	2309
2SC2833A	2309
2SC2834	2300◆
2SC2834A	2300◆
2SC2834AM	2300
2SC2837	36
2SC2838	33
2SC2839	85
2SC2839D	85
2SC2839E	85
2SC2839F	85
2SC2840D	107
2SC2841	2308
2SC2853	382
2SC2853D	382
2SC2854	382
2SC2854D	382
2SC2855	382
2SC2855D	382
2SC2856	382
2SC2857D	399
2SC2857E	399
2SC2859	2406
2SC2859O	2406
2SC2859Y	2406
2SC2868	289A
2SC2868Y	289A
2SC2872	297
2SC2872Q	297
2SC2872R	297
2SC2876	63
2SC2877	184
2SC2878	85
2SC2878A	85
2SC2878B	85
2SC2882	2428
2SC2882O	2428
2SC2882Y	2428
2SC2884	2428
2SC2884O	2428
2SC2884Y	2428
2SC2898	379
2SC2899	2327
2SC2900	394
2SC2901	216
2SC2913	379
2SC2914	53
2SC2914Z	53
2SC2920	53
2SC2921	33
2SC2922	58
2SC2923	157◆
2SC2923RL	157◆
2SC2926	107
2SC2928	238
2SC2929	51
2SC2937	2308
2SC2938	2308
2SC2939	2308
2SC2958	382◆
2SC2960	85◆
2SC2960E	85◆
2SC2960F	85◆
2SC2960G	85◆
2SC2961	2308
2SC2962	2309
2SC2963	377
2SC2964	53
2SC2965	53
2SC2967	397
2SC2971	53
2SC2972	53
2SC2986	107
2SC2987	36
2SC2995	107◆
2SC2996	2406
2SC2996O	2406
2SC2996R	2406
2SC2996Y	2406
2SC2998	85
2SC2998E	85
2SC2998F	85
2SC2998G	85
2SC3000	85
2SC3000E	85
2SC3000F	85
2SC3012	36
2SC3012Q	36
2SC3012R	36
2SC3015	2402
2SC3016	2402
2SC3037	10
2SC3038	51
2SC3039	379
2SC3040	2308
2SC3041	53
2SC3042	2308
2SC3043	53
2SC3044	52
2SC3044A	52
2SC3045	53
2SC3046	53
2SC3051	2327
2SC3052	2406
2SC3052E	2406
2SC3052F	2406
2SC3053	2406
2SC3053B	2406
2SC3053C	2406
2SC3053D	2406
2SC3054	256◆
2SC3063	157
2SC3063RL	157
2SC3078M	16
2SC3078MM	16
2SC3078MN	16
2SC3078MP	16
2SC3080	15
2SC3080M	15◆
2SC3080ND	15
2SC3083	2309
2SC3084	53
2SC3088	2309
2SC3089	2300#
2SC3090	2311#
2SC3091	386
2SC3092	386
2SC3093	386
2SC3099	2402
2SC3110	2402
2SC3112	199
2SC3114	289A
2SC3114R	289A
2SC3114S	289A
2SC3115	2410
2SC3115D25	2410
2SC3116(Audio)	373
2SC3116R(Audio)	373
2SC3116S(Audio)	373
2SC3116T(Audio)	373
2SC3117(Audio)	373
2SC3117R(Audio)	373
2SC3117S(Audio)	373
2SC3117T(Audio)	373
2SC3119	2402
2SC3127	2402
2SC3128	10
2SC3130	2402
2SC3134	2408
2SC3134D4	2408
2SC3134D5	2408
2SC3134D6	2408
2SC3134D7	2408
2SC3136	23
2SC3138	2412
2SC3138O	2412
2SC3143	2410
2SC3143K	2410
2SC3143K3	2410
2SC3143K5	2410
2SC3148	2303
2SC3151	2309
2SC3152	2309
2SC3153	2309
2SC3154	389
2SC3155	389
2SC3156	238
2SC3164	2311◆
2SC3167	2319
2SC3169	51#
2SC3170	379#
2SC3171	2308
2SC3180	36
2SC3180-O	36
2SC3180-R	36
2SC3181	36
2SC3181N	36
2SC3181-O	36
2SC3181-R	36
2SC3182	36
2SC3182-O	36
2SC3182-R	36
2SC3187(ECB)	287
2SC3192	107
2SC3192-O	107
2SC3192R	107
2SC3193	107
2SC3193-O	107
2SC3193R	107
2SC3194	107◆
2SC3194BN	107◆
2SC3194-O	107◆
2SC3194R	107◆
2SC3195(ECB)	229◆
2SC3195R(ECB)	229◆
2SC3198	85
2SC3198-O	85
2SC3198Y	85
2SC3199	85
2SC3199-O	85
2SC3199Y	85
2SC3202	289A
2SC3202-O	289A
2SC3202Y	289A
2SC3203	382◆
2SC3203-O	382◆
2SC3203Y	382◆
2SC3204	382◆
2SC3204-O	382◆
2SC3204Y	382◆
2SC3206	399
2SC3206-O	399
2SC3206Y	399
2SC3207	399
2SC3208	376
2SC3209	399◆
2SC3209K	399◆
2SC3209L	399◆
2SC3209M	399◆
2SC3210	2308
2SC3211	2309
2SC3211A	2309
2SC3212	2300#
2SC3212A	2300#
2SC3220	2311◆
2SC3222	2319
2SC3227	297
2SC3227O	297
2SC3227Y	297
2SC3228	31
2SC3228O	31
2SC3228R	31
2SC3231	51
2SC3235	51#
2SC3239	377#
2SC3239-O	377#
2SC3257	379
2SC3258	377
2SC3258-O	377
2SC3260	2309
2SC3261	2309
2SC3265	2406
2SC3265O	2406
2SC3265Y	2406
2SC3269	399
2SC3269M	399
2SC3269N	399
2SC3269P	399
2SC3277	2308
2SC3280	2328
2SC3280-O	2328
2SC3280R	2328
2SC3281	2328
2SC3281-O	2328
2SC3281-R	2328
2SC3284	2305#
2SC3285	2301#
2SC3292	2332
2SC3293	2332
2SC3297	152#
2SC3297-O	152#
2SC3299	377#
2SC3299-O	377#
2SC3299Y	377
2SC3302	63
2SC3306	2308
2SC3308	377◆
2SC3308-O	377◆
2SC3309	51#
2SC3310	379#
2SC3316	51◆
2SC3317	379◆
2SC3317-S	379◆
2SC3318	2311◆
2SC3319	2319
2SC3320	2311◆
2SC3321	2319
2SC3322	2309
2SC3324	2410
2SC3324G	2410
2SC3325	2406
2SC3325O	2406
2SC3325Y	2406
2SC3329	90
2SC3331R	85
2SC3331S	85
2SC3333	399
2SC3334	399
2SC3335	2327
2SC3336	2311#
2SC3337	10◆
2SC3344	379#
2SC3361	2406
2SC3361S4	2406
2SC3361S5	2406
2SC3361S6	2406
2SC3365	2308
2SC3374	2402
2SC3376	2309
2SC3384	2319
2SC3385	2319
2SC3387	2301#
2SC3387-SY	2301#
2SC3392	2406
2SC3392AY4	2406
2SC3392AY5	2406
2SC3392AY6	2406
2SC3395	2418
2SC3396	2416
2SC3398	2414
2SC3399	2359
2SC3400	2357
2SC3402	2355
2SC3409	2309
2SC3411	2319
2SC3417	157◆
2SC3417C	157◆
2SC3426	2406
2SC3440	2406
2SC3440E	2406
2SC3440F	2406
2SC3441	2406
2SC3441D	2406
2SC3441E	2406
2SC3444	2428
2SC3448	2309◆
2SC3458	2301#
2SC3459	2301#
2SC3460	2300#
2SC3461	2300#
2SC3466	2300◆
2SC3479	2302◆
2SC3480	2302◆
2SC3481	2302◆
2SC3482	2302◆
2SC3483	2301◆
2SC3484	2301◆
2SC3485	2301◆
2SC3486	2300◆
2SC3493	2402
2SC3503C	157
2SC3503D	157
2SC3503E	157
2SC3505	2309
2SC3510	10
2SC3512	10◆

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2SC3515	2430
2SC3515O	2430
2SC3515Y	2430
2SC3519	2305♦
2SC3546	33
2SC3547	2402
2SC3547A	2402
2SC3605	10♦
2SC3625	379
2SC3645	2430
2SC3645R	2430
2SC3645S	2430
2SC3648	2430
2SC3648R	2430
2SC3648S	2430
2SC3653	2359
2SC3654	2357
2SC3656	2355
2SC3671	11
2SC3678	2309
2SC3679	2309
2SC3705	2338
2SC3707	2402
2SC3721GR(ECB)	123AP
2SC3743	2309♦
2SC3776	10
2SC3777	10
2SC3778	10
2SC3779	10♦
2SC3784	2338
2SC3785	2338
2SC3794	2309♦
2SC3794A	2309♦
2SC3795	2309
2SC3795A	2309
2SC3796	2309
2SC3796A	2309
2SC3798	2309
2SC3798A	2309
2SC3857	58
2SC3858	58
2SC3896	2309
2SC3907	2328
2SC3907-O	2328
2SC3907-R	2328
2SC3909	2309
2SC7135C	85
2SC7335-BL	199
2SC7336R	199
2SC7354	289A
2SC7840	229
2SC8380	289A
2SC10898	375
2SC10963ZM	186A
2SC10964ZL	186A
2SC13755	123A
2SC13838	128
2SC13901	123A
2SC14070	192
2SC15694	376
2SCA753	281
2SCA753A	281
2SCA753B	281
2SCA753C	281
2SCF1	108
2SCF2	123A
2SCF-2	123A
2SCF5	123A
2SCF6	195A
2SC-F8	237
2SCF8	237
2SCF11	313
2SCF14	233
2SCNJ100	199
2SC-NJ100	199
2SC-NJ107	128
2SCS183E	123
2SCS184E	123
2SCS184J	108
2SCS429J	108
2SCS430H	108
2SCS461F	108
2SCS469F	108
2SD11	103
2SD12	130
2SD15	87
2SD16	87
2SD17	87
2SD18	87
2SD18(Rectifier)	116(2)
2SD19	101
2SD20	101
2SD21	101
2SD22	101
2SD23	101
2SD24	124
2SD24B	124
2SD24C	124
2SD24CK	124
2SD24D	124
2SD24E	124
2SD24F	124
2SD24K	124
2SD24KC	124
2SD24KD	124
2SD24KE	124
2SD24Y	124
2SD24YB	124
2SD24YD	124
2SD24YE	124
2SD24YF	124
2SD24YK	124
2SD24Y-K	124
2SD24YL	124
2SD24YLC	124
2SD24YLD	124
2SD24YLE	124
2SD24YM	124
2SD24YS	124
2SD25	103A
2SD26	87
2SD26A	87
2SD26B	87
2SD26C	87
2SD28	175
2SD29	175
2SD30	103A
2SD30-0	103A
2SD30G	103A
2SD30-N	103A
2SD31	103A
2SD31D	103A
2SD32	103A
2SD33	103A
2SD33C	103A
2SD34	103A
2SD35	103A
2SD36	103A
2SD37	103A
2SD37A	103A
2SD37B	103A
2SD37C	103A
2SD38	103A
2SD41	130
2SD43	103A
2SD43A	103A
2SD44	103A
2SD45	162
2SD46	162
2SD47	328
2SD49	291
2SD50	87
2SD51	87
2SD51A	87
2SD52	87
2SD52A	87
2SD53	87
2SD53A	87
2SD55	181
2SD55A	181
2SD56	277§
2SD57	175
2SD58	175
2SD59	162
2SD60	162
2SD61	103A
2SD62	103A
2SD63	103A
2SD64	103A
2SD65	103A
2SD65-1	103A
2SD66	103A
2SD67	280
2SD67B	280
2SD67C	280
2SD67D	280
2SD67E	280
2SD68	130
2SD68D	130
2SD69	130
2SD70	175
2SD71	175
2SD71L	175
2SD72	103A
2SD72-2C	103A
2SD72-3C	103A
2SD72-4C	103A
2SD72A	103A
2SD72B	103A
2SD72BR	103A
2SD72C	103A
2SD72K	103A
2SD72P	103A
2SD72RE	103A
2SD73	87
2SD73A	87
2SD73B	87
2SD73C	87
2SD73E	87
2SD74	87
2SD74A	87
2SD74B	87
2SD74C	87
2SD74D	87
2SD74E	87
2SD75	103A
2SD75A	103A
2SD75AH	103A
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2SD352K	103A
2SD352L	103A
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2SD352T	103A
2SD352V	103A
2SD353	162

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2SD355D(BCE)	293
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2SD355E(BCE)	293
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2SD603R	289A
2SD603S	199
2SD603T	199
2SD608	375
2SD608Q	375
2SD608R	375
2SD608S	375
2SD610	375◆
2SD611	384
2SD612	184
2SD612D	184
2SD612E	184
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2SD612KD	184
2SD612KE	184
2SD612KF	184
2SD613	377◆
2SD613C	377◆
2SD613D	377◆
2SD613E	377◆
2SD613P	380
2SD613PC	380
2SD613PD	380
2SD613PE	380
2SD616	87
2SD617	247◆
2SD618	130
2SD619	306
2SD621	62
2SD622	384
2SD624	154
2SD627	389
2SD628	247
2SD628H	247
2SD629	247
2SD629H	247
2SD632	94
2SD632P	94
2SD632Q	94
2SD632R	94
2SD633	261
2SD634	261
2SD635	261
2SD636	16
2SD636Q	16
2SD636QR	16
2SD636QRS	16
2SD636R	16
2SD636RP	16
2SD636S	16
2SD637	16◆
2SD637CR	16◆
2SD637P	16◆
2SD637PQ	16◆
2SD637PQR	16
2SD637Q	16◆
2SD637QR	16◆
2SD637QRS	16◆
2SD637R	16◆
2SD637RS	16◆
2SD637S	16◆
2SD638	18
2SD638Q	18
2SD638R	18
2SD638S	18
2SD639	18
2SD639Q	18
2SD639R	18
2SD639S	18
2SD640	283
2SD641	386
2SD649	165
2SD649Q	165
2SD654	128
2SD655D	85◆
2SD656	175
2SD657	162
2SD658	165
2SD658H	165
2SD661	16
2SD661(BCE)	199
2SD661R	16
2SD661RS	16
2SD661S	16
2SD661S(BCE)	199
2SD661T(BCE)	199
2SD661U(BCE)	199
2SD662(BCE)	287
2SD662P(BCE)	287
2SD662Q(BCE)	287
2SD664	261
2SD665	284◆
2SD666	382
2SD666A	382
2SD666AB	382
2SD666AC	382
2SD666B	382
2SD666C	382
2SD667	382
2SD667A	382
2SD667AB	382
2SD667AC	382
2SD667AD	382
2SD667B	382
2SD667C	382
2SD667D	382
2SD668	373
2SD668A	373
2SD668AB	373
2SD668AC	373
2SD668B	373
2SD668C	373
2SD669	373
2SD669A	373
2SD669AB	373
2SD669AC	373
2SD669B	373
2SD669C	373
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2SD673AB	87
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2SD674AB	87
2SD674AC	87
2SD674B	87
2SD674C	87
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2SD675AA	284
2SD675AB	284
2SD675AC	284
2SD675B	284
2SD675C	284
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2SD676AA	284
2SD676AB	284
2SD676AC	284
2SD676B	284
2SD676C	284
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2SD678	261
2SD678A	261
2SD679	261
2SD679A	261
2SD686	261◆
2SD687	261
2SD689	291
2SD690	384
2SD690-O	384
2SD691	261
2SD691P	247
2SD691Q	247
2SD692	247
2SD692M	243
2SD692P	247
2SD692Q	261
2SD693	97◆
2SD696S	13
2SD704	377
2SD704D	377
2SD704E	377
2SD710A	2406
2SD711	98
2SD711A	98
2SD712	331
2SD712D	331
2SD713	331
2SD713C	331
2SD713D	331
2SD715	270
2SD715K	270
2SD715L	270
2SD716	36
2SD716-O	36
2SD716-R	36
2SD717	390
2SD717-O	390
2SD718	36
2SD718-O	36
2SD718Q	36
2SD718-R	36
2SD721	261
2SD722	261
2SD723	291
2SD724	379
2SD725	165
2SD725-06	238
2SD726	291
2SD726B	291
2SD726C	291
2SD726D	291
2SD727	390
2SD727P	392◆
2SD727Q	392◆
2SD727R	392◆
2SD728	390
2SD728P	392◆
2SD728Q	392◆
2SD728R	392◆
2SD729	251
2SD729H	251
2SD732	87
2SD732K	87
2SD733	280
2SD733C	280
2SD733D	280
2SD733E	280
2SD733F	280
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2SD733KE	284
2SD733KF	284
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2SD734E	85
2SD734F	85
2SD734G	85
2SD734NP	85
2SD735	92
2SD735B	92
2SD735C	92
2SD736	92
2SD736AB	92
2SD736AC	92
2SD736B	92
2SD736C	92
2SD738	92
2SD738A	92
2SD738AB	92
2SD738AC	92
2SD738B	92
2SD738C	92
2SD743	291
2SD743A	291
2SD745	92
2SD745A	92
2SD745AQ	92
2SD745AR	92
2SD745AS	92
2SD745B	92
2SD745BQ	92
2SD745BR	92
2SD745BS	92
2SD745Q	92
2SD745R	92
2SD745S	92
2SD748	87
2SD748-01	87
2SD748A	87
2SD749	283
2SD750	284
2SD750P	284
2SD750Q	284
2SD751	36◆
2SD754	123AP
2SD754B	123AP
2SD754C	123AP
2SD755	90
2SD756	90
2SD756A	90◆
2SD756E	90
2SD756G	90
2SD759	375
2SD759A	375
2SD759B	375
2SD759C	375
2SD759D	375
2SD760	375
2SD761	375◆
2SD761C	375◆
2SD761D	375◆
2SD761E	375◆
2SD761V	375◆
2SD761VR	375◆
2SD761VRD	375◆
2SD761VRE	375◆
2SD762	152
2SD762A	196
2SD762AO	196
2SD762AP	196
2SD762AQ	196
2SD762O	152
2SD762-OP	152
2SD762P	152
2SD762Q	152
2SD763	382
2SD763A	92
2SD764	389
2SD765	389
2SD766	369
2SD766P	369
2SD766Q	369
2SD766R	369
2SD767	289A
2SD767Q	289A
2SD768	2343
2SD768K	2343
2SD769	85
2SD769R	85
2SD771	199
2SD772	51
2SD772A	51
2SD772B	51
2SD773	293
2SD773K	293
2SD773L	293
2SD774	382
2SD774-3	382
2SD774-4	382
2SD774K	382
2SD774L	382
2SD776	86
2SD776RW	86
2SD778(BCE)	85
2SD778Q(BCE)	85
2SD778R(BCE)	85
2SD779(BCE)	85
2SD780	2410
2SD780A	2410
2SD780AD51	2410
2SD780AD52	2410
2SD780AD53	2410
2SD780DW1	2410
2SD780DW2	2410
2SD780DW3	2410
2SD782	379
2SD783	379
2SD786	85
2SD786Q	85
2SD786R	85
2SD788	293
2SD789	315
2SD789B	315
2SD789C	315
2SD789D	315
2SD790	382
2SD790B	382
2SD790C	382
2SD792	165
2SD793	184
2SD794	184
2SD794A	184◆
2SD794AD	184
2SD794AP	184◆
2SD794AQ	184◆
2SD794P	184◆
2SD794Q	184
2SD794R	184
2SD795	54
2SD795A	54
2SD795AQ	54
2SD795P	54
2SD795Q	54
2SD795R	54
2SD797	387
2SD797-O	387
2SD797-Y	387
2SD803	247
2SD803Q	247
2SD804	152
2SD804B	152
2SD804H	152
2SD804HLB	152
2SD804L	152
2SD804-O	152
2SD804P	152
2SD804Q	152
2SD807	165
2SD807M	165
2SD809	373
2SD811	2310#
2SD812	54
2SD812P	54
2SD812Q	54
2SD812R	54
2SD813	2406
2SD813P	2406
2SD813Q	2406
2SD813R	2406
2SD814	2410
2SD814Q	2410
2SD814R	2410
2SD814S	2410
2SD818	389
2SD819	389
2SD820	165
2SD820FA-1	165

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2SD821	165
2SD822	165
2SD823	379
2SD824A	92
2SD824AB	92
2SD824AC	92
2SD825A	92
2SD825AB	92
2SD825AC	92
2SD831	98◆
2SD833	263◆
2SD836	261
2SD836A	261
2SD836AQ	261
2SD836AR	261
2SD836Q	261
2SD836R	261
2SD837	261
2SD837A	261
2SD837AQ	261
2SD837AR	261
2SD837B	261
2SD837LB	261
2SD837P	261
2SD837Q	261
2SD837R	261
2SD838	62
2SD841	51
2SD842	2349
2SD843	377
2SD843-O	377
2SD844	36
2SD844-O	36
2SD845	33
2SD845O	33
2SD845R	33
2SD847	2304
2SD847A	2304
2SD847B	2304
2SD847C	2304
2SD848A	380
2SD849	389
2SD850	389
2SD855	54
2SD855A	54
2SD855P	54
2SD855Q	54
2SD855R	54
2SD856	54
2SD856A	54
2SD856LB	54
2SD856M	54
2SD856MLB	54
2SD856O	54
2SD856P	54
2SD856Q	54
2SD856R	54
2SD857	54
2SD857A	54
2SD857AP	54
2SD857AQ	54
2SD857AR	54
2SD857P	54
2SD857Q	54
2SD857R	54
2SD858	390
2SD858A	390
2SD858AQ	390
2SD858AR	390
2SD858Q	390
2SD858R	390
2SD859	198
2SD859A	198
2SD859AQ	198
2SD859AR	198
2SD859Q	198
2SD859R	198
2SD860	198
2SD860A	198
2SD860AQ	198
2SD860AR	198
2SD860Q	198
2SD860R	198
2SD863	382
2SD863D	382
2SD863E	382
2SD863F	382
2SD864K	261◆
2SD866	54
2SD866A	54
2SD866AP	54
2SD866AQ	54
2SD866AR	54
2SD866P	54
2SD866Q	54
2SD866R	54
2SD867	280
2SD868	89
2SD869	89
2SD869-14	89
2SD869B	89
2SD869FA	89
2SD869-L	89
2SD869L	89
2SD869S	89
2SD870	89
2SD870A	89
2SD870FA	89
2SD870Z	89
2SD871	89
2SD871Z	89
2SD872	379
2SD873	388
2SD874	2428
2SD874A	2428
2SD874AQ	2428
2SD874AR	2428
2SD874AS	2428
2SD874Q	2428
2SD874R	2428
2SD874S	2428
2SD875	2428
2SD875P	2428
2SD875Q	2428
2SD875R	2428
2SD875S	2428
2SD877	175
2SD877-O	175
2SD877-Y	175
2SD878	328
2SD880	152
2SD880-O	152
2SD880O	152
2SD880Y	152
2SD882	184◆
2SD882P	184
2SD882Q	184
2SD882R	184
2SD883A	380
2SD883AQ	380
2SD883AR	380
2SD884	379
2SD886	56
2SD886A	56
2SD886AQ	56
2SD886Q	56
2SD889	85
2SD889P	85
2SD889Q	85
2SD889R	85
2SD889T	199
2SD890	26
2SD890P	26
2SD890Q	26
2SD890R	26
2SD890S	26
2SD891	172A
2SD891A(ECB)	46
2SD892(ECB)	46
2SD892A(ECB)	46
2SD892AP(ECB)	46
2SD892AQ(ECB)	46
2SD892AR(ECB)	46
2SD892P(ECB)	46
2SD892Q(ECB)	46
2SD892R(ECB)	46
2SD893(ECB)	48◆
2SD893A(ECB)	48◆
2SD893AP(ECB)	48◆
2SD893AQ(ECB)	48◆
2SD893AR(ECB)	48◆
2SD893P(ECB)	48◆
2SD893Q(ECB)	48◆
2SD893R(ECB)	48◆
2SD895	36
2SD895D	36
2SD895E	36
2SD896	36
2SD896D	36
2SD896E	36
2SD897	89
2SD897A	89
2SD898	89
2SD898A	89
2SD898B	89
2SD898B-13	89
2SD899	89
2SD900	89
2SD900A	89
2SD900B	89
2SD900B-06	89
2SD903	89
2SD904	89
2SD904K	89
2SD904P	89
2SD904W	89
2SD905	238
2SD906	89
2SD907	36
2SD908	36
2SD909	2305#
2SD910	36
2SD911	284
2SD912	284
2SD913	387
2SD914	387
2SD916	261
2SD917	2308
2SD919(BCE)	85
2SD919Q(BCE)	289A
2SD919R(BCE)	289A
2SD920	2307
2SD921	2307
2SD929	2307
2SD931	2307
2SD944	55#
2SD946	253
2SD946A	253
2SD946AP	253
2SD946P	253
2SD947	253#
2SD950	389
2SD950Q	389
2SD951	389
2SD951Q	389
2SD952	389
2SD953	165
2SD956	89
2SD957	89
2SD957-03	89
2SD957A	89
2SD957A-03	89
2SD958S	90
2SD958T	90
2SD958U	90
2SD959	54
2SD959Q	54
2SD959R	54
2SD960	54
2SD960Q	54
2SD961	54
2SD961Q	54
2SD961R	54
2SD965Q	11
2SD968	2430
2SD968A	2430
2SD968AP	2430
2SD968AQ	2430
2SD968AR	2430
2SD968AS	2430
2SD968P	2430
2SD968Q	2430
2SD968R	2430
2SD968S	2430
2SD969	18
2SD969P	18
2SD969Q	18
2SD969R	18
2SD970	2343
2SD970K	2343
2SD972	2334
2SD973	20
2SD973A	22
2SD973AQ	22
2SD973AR	22
2SD973Q	20
2SD973R	20
2SD976	379
2SD976A	379
2SD979	2316#
2SD987	379
2SD993	89
2SD993A	89
2SD994	89
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2SD999L	2428
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2SD1001EL	2428
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2SD1001K	2428
2SD1001L	2428
2SD1001M	2428
2SD1010	199
2SD1010R	199
2SD1011	90
2SD1011R	90
2SD1012	382◆
2SD1012F	382◆
2SD1012G	289A◆
2SD1016	89
2SD1017	394
2SD1018	394
2SD1020	293◆
2SD1020E	293◆
2SD1020F	293◆
2SD1020H	293◆
2SD1020J	293◆
2SD1020M	293◆
2SD1021	293◆
2SD1021E	293◆
2SD1021F	293◆
2SD1021H	293◆
2SD1021J	293◆
2SD1021M	293◆
2SD1029	152
2SD1031	2343
2SD1032	390
2SD1032A	390
2SD1032AQ	390
2SD1032AR	390
2SD1032Q	390
2SD1032R	390
2SD1044	270
2SD1044-O	215
2SD1044-P	215
2SD1044Q	270
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2SD1046D	36
2SD1046E	36
2SD1047	36
2SD1047D	36
2SD1047-E	36
2SD1048	2406
2SD1048X6	2406
2SD1049	392
2SD1052	56
2SD1052A	56
2SD1052AFA	56
2SD1054	52
2SD1055	20◆
2SD1055P	20◆
2SD1055Q	20◆
2SD1060	377
2SD1060Q	377
2SD1060R	377
2SD1061	377
2SD1061Q	377
2SD1062	377
2SD1062Q	377
2SD1062R	377
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2SD1063Q	2304
2SD1063R	2304
2SD1063S	2304
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2SD1064R	2304
2SD1064S	2304
2SD1065	2304
2SD1065-Q	2304
2SD1065-R	2304
2SD1065-S	2304
2SD1090	2307
2SD1092	2330
2SD1092(FA-1)	2330
2SD1092(FA)	2330
2SD1101	2406
2SD1101B	2406
2SD1101C	2406
2SD1105	388
2SD1109	390
2SD1110	36
2SD1110A	36
2SD1110AR	36
2SD1110AS	36
2SD1110R	36
2SD1110S	36
2SD1117	377
2SD1126	2343
2SD1126K	2343
2SD1127	2343
2SD1127K	2343
2SD1131	291
2SD1132	291
2SD1133	291
2SD1134	291
2SD1134C	291
2SD1135	291
2SD1135-5	291
2SD1135B	291
2SD1135C	291
2SD1137	291
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2SD1138B	375
2SD1138C	375
2SD1138D	375
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2SD1139B	375
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2SD1148Q	36
2SD1148R	36
2SD1154	283
2SD1154P	283
2SD1154Q	283
2SD1154R	283
2SD1168	165
2SD1169	2326◆
2SD1169Q	2326◆
2SD1170	270◆
2SD1171	89
2SD1172	89
2SD1173	89
2SD1174	89
2SD1174Q	56
2SD1175	89
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2SD1176AQ	261
2SD1176AR	261
2SD1176Q	261
2SD1176R	261
2SD1183	238
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2SD1186	238
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2SD1187-O	36
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2SD1194	261
2SD1195	261
2SD1196	263
2SD1199	16
2SD1199R	16
2SD1200	184#
2SD1200P	184#
2SD1201	53
2SD1202	53
2SD1203	53
2SD1204	53
2SD1206	16◆
2SD1206P	16◆
2SD1206Q	16◆
2SD1206R	16◆
2SD1206S	16◆
2SD1209	2341
2SD1209K	2341
2SD1211	31
2SD1211Q	31
2SD1211R	31
2SD1213	392#
2SD1213D-24	289A
2SD1213-Q	392#
2SD1213-R	392#
2SD1217	2332
2SD1217P	2332
2SD1217Q	2332
2SD1217R	2332
2SD1218	2334
2SD1218P	2334
2SD1218Q	2334
2SD1218R	2334
2SD1219	2336◆
2SD1219P	2336◆
2SD1219Q	2336◆
2SD1219R	2336◆
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2SD1225MP	20
2SD1225MQ	20
2SD1225MR	20
2SD1226M	20
2SD1226MLQ	18
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2SD1226MQ	20
2SD1226MR	20
2SD1227M	20
2SD1227MLQ	20
2SD1227MP	20
2SD1227MQ	20
2SD1227MR	20
2SD1228M	18
2SD1228MP	18
2SD1228MQ	18
2SD1228MR	18
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2SD1229-Y	214
2SD1230	215
2SD1230-Y	215
2SD1231	249
2SD1232	249
2SD1233	249
2SD1235	54
2SD1235Q	54
2SD1235R	54
2SD1235S	54
2SD1236	54
2SD1236Q	54
2SD1236R	54
2SD1236S	54
2SD1237	54
2SD1237Q	54
2SD1237R	54
2SD1237S	54
2SD1241	390#
2SD1242	390#
2SD1243	36
2SD1244	11
2SD1248	2343
2SD1248K	2343
2SD1263	198#
2SD1263A	198#
2SD1263AQ	198#
2SD1263AR	198#
2SD1263Q	198#
2SD1263R	198#
2SD1264	375#
2SD1264P	375#
2SD1264Q	375#
2SD1265	377#
2SD1265A	377#
2SD1265A-O	377#
2SD1265AP	377#
2SD1265AQ	377#
2SD1265LB	377#
2SD1265-O	377#
2SD1265-OP	377#
2SD1265-OP(LB)	377#
2SD1265P	377#
2SD1265Q	377#
2SD1266	377#
2SD1266A	377#
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2SK17B(SGD)	312
2SK17BL(SGD)	312
2SK17GR(SGD)	312
2SK17R(SGD)	312
2SK17Y(SGD)	312
2SK19	453
2SK19(GR)	453
2SK19BL	453
2SK19GB	453
2SK19GC	453
2SK19GE	453
2SK19-GR	453
2SK19GR	453
2SK19H	453
2SK19K	453
2SK19TM	453
2SK19TM-BL	453
2SK19TM-GR	453
2SK19TM-Y	453
2SK19V	453
2SK19Y	453
2SK22Y	312
2SK23(SGD)	312
2SK23A(SGD)	312
2SK23A-540(SGD)	312
2SK23A540(SGD)	312
2SK23AL(SGD)	312
2SK24	312
2SK24C	312
2SK24D	312
2SK24DR	312
2SK24E	312
2SK24F	312
2SK24G	312
2SK25(DGS)	312
2SK25C(DGS)	312
2SK25D(DGS)	312
2SK25E(DGS)	312
2SK25ET(DGS)	312
2SK25F(DGS)	312
2SK25G(DGS)	312
2SK30(SGD)	459
2SK30-0(SGD)	459
2SK30A(SGD)	459
2SK30A-0(SGD)	459
2SK30A-1(SGD)	459
2SK30AD(SGD)	459
2SK30AG(SGD)	459
2SK30A-GR(SGD)	459
2SK30AGR(SGD)	459
2SK30A-O(SGD)	459
2SK30ATM(SGD)	459
2SK30A-TM(SGD)	459
2SK30ATMFA-1(SGD)	459
2SK30ATMG(SGD)	459
2SK30ATMGR(SGD)	459
2SK30ATMO(SGD)	459
2SK30ATMR(SGD)	459
2SK30ATMY(SGD)	459
2SK30AY(SGD)	459
2SK30A-Y(SGD)	459
2SK30D(SGD)	459
2SK30GR(SGD)	459
2SK30-GR(SGD)	459
2SK30-O(SGD)	459
2SK30-R(SGD)	459
2SK30Y(SGD)	459
2SK31	312
2SK31C	312
2SK32B	312
2SK33	451
2SK33(E)	451
2SK33B	451
2SK33D	451
2SK33E	451
2SK33F	451
2SK33GR	451
2SK33H	451
2SK33R	451
2SK34	459♦
2SK34(E)	459♦
2SK34B	459♦
2SK34C	459♦
2SK34C3	312
2SK34CD	459♦
2SK34D	459♦
2SK34E	459♦
2SK34GR	459♦
2SK34P	459♦
2SK35(SGD)	451♦
2SK35-0(SGD)	451♦
2SK35-1(SGD)	451♦
2SK35-2(SGD)	451♦
2SK35A(SGD)	451♦
2SK35BL(SGD)	451♦
2SK35C(SGD)	451♦
2SK35GN(SGD)	451♦
2SK35R(SGD)	451♦
2SK35Y(SGD)	451♦
2SK40(SGD)	459♦
2SK40-3(SGD)	459♦
2SK40A(SGD)	459♦
2SK40B(SGD)	459♦
2SK40C(SGD)	459♦
2SK40D(SGD)	459♦
2SK40-OR(SGD)	459♦
2SK41(GSD)	451
2SK41D(GSD)	451
2SK41D2	451
2SK41E(GSD)	451
2SK41F(GSD)	451
2SK41L(GSD)	451
2SK41M(GSD)	451
2SK42	312
2SK42-2	312
2SK42-CM1	312
2SK42CM1	312
2SK43-1(GSD)	458
2SK44(SGD)	457
2SK44C(SGD)	457
2SK44D(SGD)	457
2SK45	456
2SK45F	456♦
2SK45H	456
2SK46(SGD)	457♦
2SK46B(SGD)	457♦
2SK46C(SGD)	457♦
2SK47(SGD)	457
2SK47M(SGD)	457
2SK49(GSD)	451
2SK49H(GSD)	451
2SK49H1(GSD)	451
2SK49H2(GSD)	451
2SK49HK(GSD)	451
2SK49I(GSD)	451
2SK49M(GSD)	451
2SK49-OF(GSD)	451
2SK49Q(GSD)	451
2SK54(GSD)	451
2SK54C(GSD)	451
2SK54J(GSD)	451
2SK55	312
2SK55C	312
2SK55D	312
2SK55DE	312
2SK55-DE	312
2SK55E	312
2SK55R	312
2SK59(SGD)	458
2SK59B(SGD)	458
2SK61	451
2SK61GR	451
2SK61Y	451
2SK66(SGD)	459
2SK66Q(SGD)	459
2SK66R(SGD)	459
2SK68	458
2SK68A	458
2SK68AK	458
2SK68AL	458
2SK68AM	458
2SK68GL	458
2SK68K	458
2SK68L	458
2SK68M	458
2SK72(S1,D1,G1,S2,D2,G2,C)	461
2SK72GR(S1,D1,G1,S2,D2,G2,C)	461
2SK72O(S1,D1,G1,S2,D2,G2,C)	461
2SK72Y(S1,D1,G1,S2,D2,G2,C)	461
2SK83(GSD)	451
2SK84(DGS)	459
2SK84Q(DGS)	459
2SK84R(DGS)	459
2SK87	459
2SK87C	459
2SK87D	459
2SK87H	459
2SK104	312
2SK104H	312
2SK104J	312
2SK105(DGS)	459
2SK105F(DGS)	459
2SK105H(DGS)	459
2SK105J(DGS)	459
2SK106	458
2SK106B	458
2SK106C	458
2SK107	459
2SK107(SGD)	451
2SK107-2(SGD)	451
2SK107-3(SGD)	451
2SK107-4(SGD)	451
2SK107-5(SGD)	451
2SK109C	458(2)♦
2SK113	466♦
2SK113-O	466♦

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2SK113-Y	466◆
2SK117	458
2SK117GR	458
2SK117O	458
2SK117Y	458
2SK118(SGD)	458
2SK118-O(SGD)	458
2SK118R(SGD)	458
2SK118-Y(SGD)	458
2SK118Y(SGD)	458
2SK119(SGD)	312
2SK120(GSD)	451
2SK120-2(GSD)	451
2SK121(SGD)	458
2SK121-2	458
2SK127	458
2SK141	466
2SK141A	466
2SK148(DGS)	312
2SK161	451
2SK161GR	451
2SK161Y	451
2SK163K	458◆
2SK168	312
2SK168E	312
2SK168F	312
2SK192	459
2SK192(DSG)	312
2SK192GR(DSG)	312
2SK192Y(DSG)	312
2SK195(GSD)	451
2SK294	66
2SK295	66
2SK296	2380
2SK304	312
2SK319	67
2SK345	2390◆
2SK346	2390◆
2SK351	2384
2SK382	2380
2SK383	66
2SK398	2392
2SK411	2386
2SK424	2386
2SK428	66
2SK440	2388
2SK550	312
2SK1033B	312
2SM8	5629◆
2SM14	5667A
2SM15	5667A
2SM16	5667A
2SM24	5667A
2SM25	5667A
2SM26	5667A
2SM71	5667A
2SM72	5667A
2SM73	5675
2SM74	5675
2SM81	5629◆
2SM85	5673
2SM86	5675
2SM87	5675
2SM92	5673
2SM93	5675
2SM94	5675
2SM98	5683
2SM99	5685
2SM100	5685
2SM104	5683
2SM105	5685
2SM106	5685
2SM112	5641
2SM113	5642
2SM114	5683
2SM115	5685
2SM116	5685
2SM117	5687
2SM126	5629◆
2SM127	5629◆
2SM144	5673◆
2SM145	5675◆
2SM146	5675◆
2SM147	5677◆
2SM153-200	5633
2SM153-300	5635
2SM153-400	5635
2SM153-500	5637
2SM153-600	5637
2SM154-200	5633
2SM154-300	5635
2SM154-400	5635
2SM154-500	5637
2SM154-600	5637
2SM165-200	5633
2SM165-400	5635
2SM166-200	5633
2SM166-400	5635
2SM610B	159
2SN372	123AP
2SN373	123AP
2SN380A	123AP
2SN382	311
2SN383	123AP
2SN385A	108
2SN394	123AP
2SN732	123AP
2SN733	123AP
2SN734	123AP
2SN735	123AP
2SN784	311
2SN785	311
2SN941	123AP
2SP561	159
2SP562	159
2SQ371	108
2SR05K	116
2SR1K	116
2SV341V	127
2SVB	5312
2SVB10	5313
2SVC10	116
2T3	102A
2T11	158
2T12	158
2T13	158
2T14	158
2T14A	126A
2T15	158
2T16	158
2T17	158
2T20	160
2T21	158
2T22	158
2T23	158
2T24	158
2T25	158
2T26	158
2T40	123A
2T41	123A
2T42	123A
2T43	123A
2T44	123A
2T51	103
2T52	101
2T53	101
2T54	101
2T55	101
2T56	101
2T57	101
2T58	101
2T61	103
2T62	103
2T63	103
2T64	103
2T64R	103
2T65	103
2T65R	103
2T66	103
2T66R	103
2T67	101
2T69	103
2T71	101
2T72	101
2T73	101
2T73R	101
2T74	101
2T75	101
2T75R	101
2T76	101
2T76R	101
2T77	101
2T77R	101
2T78	101
2T78R	101
2T82	101
2T83	101
2T84	103
2T85	103
2T85A	103
2T86	103
2T89	103
2T172	123A
2T201	160
2T202	123A
2T203	160
2T204	160
2T204A	160
2T205	160
2T205A	160
2T230	102
2T231	102
2T311	158
2T312	158
2T313	158
2T314	158
2T315	158
2T321	158
2T322	158
2T323	158
2T324	158
2T383	158
2T402	123
2T403	123A
2T404	123A
2T501	116
2T502	116
2T503	116
2T504	116
2T505	116
2T506	116
2T507	125
2T508	125
2T509	125
2T510	125
2T513	101
2T520	101
2T521	101
2T522	103
2T523	103
2T524	101
2T551	101
2T552	103
2T650	101
2T681	103
2T682	103
2T918	123A
2T919	107
2T2001	102
2T2708	123A
2T2785	123A
2T2857	123A
2T3011	121
2T3021	121
2T3022	121
2T3030	121
2T3031	121
2T3032	121
2T3033	121
2T3041	121
2T3042	121
2T3043	121
2TN15	100
2TN32	100
2TN45A	102
2TN48	100
2TN49	100
2TN52	100
2TN53	100
2TN56	102
2TN95	102
2TN95A	102
2V362	102
2V363	102
2V464	100
2V465	100
2V466	100
2V467	100
2V482	100
2V483	100
2V484	100
2V485	160
2V486	100
2V559	160
2V560	160
2V561	160
2V562	160
2V563	160
2V631	100
2V632	100
2V633	100
2VR5.6	5117A
2VR5.6A	5117A
2VR5.6B	5117A
2VR6	5118A
2VR6A	5118A
2VR6B	5118A
2VR6.2	5118A
2VR6.2A	5118A
2VR6.2B	5119A
2VR6.8	5120A
2VR6.8A	5120A
2VR6.8B	5120A
2VR7.5	5121A
2VR7.5A	5121A
2VR7.5B	5121A
2VR8.2	5122A
2VR8.2A	5122A
2VR8.2B	5122A
2VR8.5	5123A
2VR8.5A	5123A
2VR8.5B	5123A
2VR9.1	5124A
2VR9.1A	5124A
2VR9.1B	5124A
2VR10	5125A
2VR10A	5125A
2VR10B	5125A
2VR11	5126A
2VR11A	5126A
2VR11B	5126A
2VR12	5127A
2VR12A	5127A
2VR12B	5127A
2VR13	5128A
2VR13A	5128A
2VR13B	5128A
2VR13R	5128A
2VR14	5129A
2VR14A	5129A
2VR14B	5129A
2VR15	5130A
2VR15A	5130A
2VR15B	5130A
2VR16	5131A
2VR16A	5131A
2VR16B	5131A
2VR18	5133A
2VR18A	5133A
2VR18B	5133A
2VR20	5135A
2VR20A	5135A
2VR20B	5135A
2VR22	5136A
2VR22A	5136A
2VR22B	5136A
2VR24	5137A
2VR24A	5137A
2VR24B	5137A
2VR27	5139A
2VR27A	5139A
2VR27B	5139A
2VR28	5140A
2VR28A	5140A
2VR28B	5140A
2VR30	5141A
2VR30A	5141A
2VR30B	5141A
2VR33	5142A
2VR33A	5142A
2VR33B	5142A
2VR36	5143A
2VR36A	5143A
2VR36B	5143A
2VR39	5144A
2VR39A	5144A
2VR39B	5144A
2VR43	5145A
2VR43A	5145A
2VR43B	5145A
2VR47	5146A
2VR47A	5146A
2VR47B	5146A
2VR51	5147A
2VR51A	5147A
2VR51B	5147A
2VR56	5148A
2VR56A	5148A
2VR56B	5148A
2VR62	5150A
2VR62A	5150A
2VR62B	5150A
2VR67	5151A
2VR67A	5151A
2VR67B	5151A
2VR68	5151A
2VR68A	5151A
2VR68B	5151A
2VR75	5152A
2VR75A	5152A
2VR75B	5152A
2VR80	5153A
2VR80A	5153A
2VR80B	5153A
2VR82	5153A
2VR82A	5153A
2VR82B	5153A
2VR90	5155A
2VR90A	5155A
2VR90B	5155A
2VR91	5155A
2VR91A	5155A
2VR91B	5155A
2VR100	5156A
2VR100A	5156A
2VR100B	5156A
2VR110	5157A
2VR110A	5157A
2VR110B	5157A
2VR120	5158A
2VR120A	5158A
2VR120B	5158A
2VR130	5159A
2VR130A	5159A
2VR130B	5159A
2VR150	5161A
2VR150A	5161A
2VR150B	5161A
2VR160	5162A
2VR160A	5162A
2VR160B	5162A
2VR180	5164A
2VR180A	5164A
2VR180B	5164A
2VR200	5166A
2VR200A	5166A
2VR200B	5166A
2W005	5304◆
2W02	5304◆
2W04	5304◆
2W06	5305◆
2W08	5306◆
2W3A	116
2W4A	116
2W5A	116
2W6A	125
2W7A	125
2W9A	125
2WMT1	5944
2WMT2	5945
2WMT4	5948
2WMT6	5952
2WMT8	5998
2WMT10	6002
2X9A116	116
2XAA111	109
2XAA112	109
2XAA113	109
2.01.03.02	159
3-0033	123A
3-041	129
3-7	129
3-19	124
3-20	127
3-215	129
3-233	197
3-1390-2	HiDiv-1
3-1477	5804
3-2040	77
3-2041	77
3-30173	181
3-3017148-2	5465
3A004	229
3A005	123A
3A1	156
3A15	5800
3A30	5800
3A90	109
3A100	156
3A152	116
3A154	116
3A156	116
3A158	125
3A200	116
3A252	116
3A254	116
3A256	116
3A258	125
3A300	5804
3A500	5806
3A1510	125
3A2510	125
3AF2	156
3AF4	5804
3AF6	5806
3AF8	5808
3A-MDA-3500	5340
3A-MDA-3501	5340
3AS1	116
3AS2	116
3B002	159
3B004	159
3B3.A	5312
3B3.C	5312
3B4B1	5312
3B4B41	5312
3B4.1	5312
3B15	102
3B15-1	102
3BB-20B01	166
3BF1	156
3BF2	156
3BF4	156
3BF6	156
3BF8	156
3BF10	156
3BH61	580
3BS1	116
3BS2	116
3BZ61	156
3C003	457
3C05	5830
3C05R	5831
3C1	5982
3C2	5986
3C4	5990
3C6	5994
3C8	5998
3C10	6002
3C10(SYL)	5834
3C10R	5835
3C15	5834
3C15R	5835
3C20	5834
3C20R	5835
3C30	5838
3C30R	5839
3C38(Transistor)	108
3C40	5838
3C40R	5839
3C50	5842
3C50R	5843
3C60	5842
3C60R	5843
3C70	5846
3C70R	5847
3C80	5846
3C80R	5847
3C90	5848
3C90R	5849
3C100	5848
3C100R	5849
3C6030	5400
3C6100	5454
3CC13	5834
3CD13	5835
3CS1	116
3CS2	116
3D001	326
3D4B41	5313
3D-702	5081A
3DH61	580
3DL2	552
3DL4C	552
3DS1	116
3DS2	116
3DS3	156
3DZ61	156
3E05	5800
3E-1	123A
3E-2	123A
3E2	5802
3E-3	123A
3E-4	109
3E6	5806
3E8	5808
3E10	5809
3E-27	102A
3E-28	158
3E-29	158
3E-64	116
3E-65	116
3ES1	116
3ES2	116
3EZ3.9D5	5113A
3EZ4.3D5	5114A
3EZ4.7D5	5115A
3EZ5.1D5	5116A
3EZ5.6D5	5117A
3EZ6.2D5	5119A
3EZ6.8D5	5120A
3EZ7.5D5	5121A
3EZ8.2D5	5122A
3EZ9.1D5	5124A
3EZ10D5	5125A
3EZ11D5	5126A
3EZ12D5	5127A
3EZ13D5	5128A
3EZ14D5	5129A
3EZ15D5	5130A
3EZ16D5	5131A
3EZ17D5	5132A
3EZ18D5	5133A
3EZ19D5	5134A
3EZ20D5	5135A
3EZ22D5	5136A
3EZ24D5	5137A
3EZ27D5	5139A
3EZ30D5	5141A
3EZ33D5	5142A
3EZ36D5	5143A
3EZ39D5	5144A
3EZ43D5	5145A
3EZ47D5	5146A
3EZ51D5	5147A
3EZ56D5	5148A
3EZ62D5	5150A
3EZ68D5	5151A
3EZ75D5	5152A
3EZ82D5	5153A
3EZ91D5	5155A
3EZ100D5	5156A
3EZ110D5	5157A
3EZ120D5	5158A
3EZ130D5	5159A
3EZ140D5	5160A
3EZ150D5	5161A
3EZ160D5	5162A
3EZ170D5	5163A
3EZ180D5	5164A
3EZ200D5	5166A
3F001	123AP
3F5	5830
3F5-D	5830
3F10	5834
3F10D	5834
3F10D-C	5834
3F15	5834
3F20	5834
3F20D	5834
3F20D-C	5834
3F30	5838
3F30(SCR)	5400
3F30D	5838
3F40	5834
3F40D	5838
3F40D-C	5838
3F40R	5835
3F50	5842
3F50D	5842
3F60	5842
3F60(SCR)	5401
3F60D	5842
3F80	5846
3F80D	5846
3F100	5848
3F100(SCR)	5402
3F100D	5848
3F150(SCR)	5404
3F200(SCR)	5404
3FC13	5838
3FD13	5839
3FR5	5831
3FR10	5835
3FR15	5835
3FR20	5835
3FR30	5839
3FR40	5839
3FR50	5843
3FR60	5843
3FR80	5847
3FR100	5849
3FS1	116
3FS2	116
3G2	457
3G4B41	5314
3G8	116
3G152	116
3G154	116
3G156	116
3G158	125
3G252	116
3G254	116
3G256	116
3G258	125
3G1510	125
3G2510	125
3GA	116
3GC12	5838
3GH61	580
3GS1	116
3GS2	116
3GZ61	156
3H13044593 .. 294 + 293(CP)	
3HS1	116
3HS2	116
3J4B41	5315
3J15	5400
3J30	5400
3J60	5401
3J100	5402
3JC12	5842
3JH-61	552
3JH61	580
3JZ61	156
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3KCB10	5309◆
3KCB20	5309◆
3KCB40	5310◆
3KCB60	5310◆
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3L4-3505-4	5074A
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3L4-3506-29	145A
3L4-3506-31	136A
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3L4-3506-49	146A
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3L4-6007-03	123A
3L4-6007-04	123A
3L4-6007-08	123A
3L4-6007-09	123A
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3L4-6007H16	123AP
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3L4-6013-15	153
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3L4-9006-1	726
3L4-9006-51	726
3L4-9007-01	737§
3L4-9007-1	737§
3L4-9007-51	737§
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3L4-9020-9	1288
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3M011	229
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3M108	116
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3MS20	116
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3MS40	116
3MS50	116
3N22	101
3N23	101
3N23A	101
3N23B	101
3N23C	101
3N29	101
3N30	101
3N31	101
3N34	160
3N35	123A
3N35A	160
3N36	101
3N37	101
3N49	105
3N50	105
3N51	105
3N52	105
3N71	107
3N72	107
3N73	107
3N83	239◆
3N112	106
3N113	106
3N128	220
3N140	221
3N141	221
3N142	220
3N143	220
3N152	220
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3N176	465
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3N187	222
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3N201	454
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3N246	166
3N247	166
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3N249	168
3N250	169
3N251	170
3N252	170
3N253	166
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3NV15	525
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3R7.5B	5121A
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3R8.2A	5122A
3R8.2B	5122A
3R9.1	5124A
3R9.1A	5124A
3R9.1B	5124A
3R10	5125A
3R10A	5125A
3R10B	5125A
3R11	5126A
3R11A	5126A
3R11B	5126A
3R12	5127A
3R12A	5127A
3R12B	5127A
3R13	5128A
3R13A	5128A
3R13B	5128A
3R15	5130A
3R15A	5130A
3R15B	5130A
3R16	5131A
3R16A	5131A
3R16B	5131A
3R18	5133A
3R18A	5133A
3R18B	5133A
3R20	5135A
3R20A	5135A
3R20B	5135A
3R22	5136A
3R22A	5136A
3R22B	5136A
3R24	5137A
3R24A	5137A
3R24B	5137A
3R27	5139A
3R27A	5139A
3R27B	5139A
3R30	5141A
3R30A	5141A
3R30B	5141A
3R33	5142A
3R33A	5142A
3R33B	5142A
3R35	5143A
3R35A	5143A
3R35B	5143A
3R36	5143A
3R39A	5144A
3R39B	5144A
3R43	5145A
3R43A	5145A
3R43B	5145A
3R47	5146A
3R47A	5146A
3R47B	5146A
3R51	5147A
3R51A	5147A
3R51B	5147A
3R56	5148A
3R56A	5148A
3R56B	5148A
3R62	5150A
3R62A	5150A
3R62B	5150A
3R68	5151A
3R68A	5151A
3R68B	5151A
3R75	5152A
3R75A	5152A
3R75B	5152A
3R82	5153A
3R82A	5153A
3R82B	5153A
3R91	5155A
3R91A	5155A
3R91B	5155A
3R100	5156A
3R100A	5156A
3R100B	5156A
3R110	5157A
3R110A	5157A
3R110B	5157A
3R120	5158A
3R120A	5158A
3R120B	5158A
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3R130A	5159A
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3R140	5160A
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3R140B	5160A
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3R150A	5161A
3R150B	5161A
3R160	5162A
3R160A	5162A
3R160B	5162A
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3R180A	5164A
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3RC40	5474
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3RC50	5476
3RC50A	5476
3RC60	5476
3RC60A	5476
3RL5A	5470
3RL10A	5471
3RL20A	5472
3RL30A	5474
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3RL50A	5476
3RL60A	5476
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3S05E	5800
3S1E	5801
3S2E	5802
3S3E	5804
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3SK63	454◆
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3T6.2R	5180AK
3T6.2RA	5180AK
3T6.2RB	5180AK
3T7.5	5182A
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3T11	5187A
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3T12	5188A
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3T24B	5198A
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3T33A	5203A
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3T33R	5203AK
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3T36	5204A
3T36A	5204A
3T36B	5204A
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3T39R	5205AK
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3T43A	5206A
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3T47B	5208A
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3T110B	5222A
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3T110RB	5222AK
3T120	5223A
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3T120B	5223A
3T120R	5223AK
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3T150	5226A
3T150A	5226A
3T150B	5226A
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3T160	5227A
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3T200R	5232AK
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3TZ5.1	5116A
3TZ5.1A	5116A
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3TZ5.6C	5117A
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3TZ6.2A	5119A
3TZ6.2B	5119A
3TZ6.2C	5119A
3TZ6.2D	5119A
3TZ6.8	5120A
3TZ6.8A	5120A
3TZ6.8B	5120A
3TZ6.8C	5120A
3TZ6.8D	5120A
3TZ7.5	5121A
3TZ7.5A	5121A
3TZ7.5B	5121A
3TZ7.5C	5121A
3TZ7.5D	5121A
3TZ8.2	5122A
3TZ8.2A	5122A
3TZ8.2B	5122A
3TZ8.2C	5122A
3TZ8.2D	5122A
3TZ9.1	5124A
3TZ9.1A	5124A
3TZ9.1B	5124A
3TZ9.1C	5124A
3TZ9.1D	5124A
3TZ10	5125A
3TZ10A	5125A
3TZ10B	5125A
3TZ10C	5125A
3TZ10D	5125A
3TZ11	5126A
3TZ11A	5126A
3TZ11B	5126A
3TZ11C	5126A
3TZ11D	5126A
3TZ12	5127A
3TZ12A	5127A
3TZ12B	5127A
3TZ12C	5127A
3TZ12D	5127A
3TZ13	5128A
3TZ13A	5128A
3TZ13B	5128A
3TZ13C	5128A
3TZ13D	5128A
3TZ14	5129A
3TZ14A	5129A
3TZ14B	5129A
3TZ14C	5129A
3TZ14D	5129A
3TZ15	5130A
3TZ15A	5130A
3TZ15B	5130A
3TZ15C	5130A
3TZ15D	5130A
3TZ16	5131A
3TZ16A	5131A
3TZ16B	5131A
3TZ16C	5131A
3TZ16D	5131A
3TZ17	5132A
3TZ17A	5132A
3TZ17B	5132A
3TZ17C	5132A
3TZ17D	5132A
3TZ18	5133A
3TZ18A	5133A
3TZ18B	5133A
3TZ18C	5133A
3TZ18D	5133A
3TZ19	5134A
3TZ19A	5134A
3TZ19B	5134A
3TZ19C	5134A
3TZ19D	5134A
3TZ20	5135A
3TZ20A	5135A
3TZ20B	5135A
3TZ20C	5135A
3TZ20D	5135A
3TZ22	5136A
3TZ22A	5136A
3TZ22B	5136A
3TZ22C	5136A
3TZ22D	5136A
3TZ24	5137A
3TZ24A	5137A
3TZ24B	5137A
3TZ24C	5137A
3TZ24D	5137A
3TZ27	5139A
3TZ27A	5139A
3TZ27B	5139A
3TZ27C	5139A
3TZ27D	5139A
3TZ30	5141A
3TZ30A	5141A
3TZ30B	5141A
3TZ30C	5141A
3TZ30D	5141A
3TZ33	5142A
3TZ33A	5142A
3TZ33B	5142A
3TZ33C	5142A
3TZ33D	5142A
3TZ36	5143A
3TZ36A	5143A
3TZ36B	5143A
3TZ36C	5143A
3TZ36D	5143A
3TZ39	5144A
3TZ39A	5144A
3TZ39B	5144A
3TZ39C	5144A
3TZ39D	5144A
3TZ43	5145A
3TZ43A	5145A
3TZ43B	5145A
3TZ43C	5145A
3TZ43D	5145A
3TZ47	5146A
3TZ47A	5146A
3TZ47B	5146A
3TZ47C	5146A
3TZ47D	5146A
3TZ50	5147A
3TZ50A	5147A
3TZ50B	5147A
3TZ50C	5147A
3TZ50D	5147A
3TZ51	5147A
3TZ51A	5147A
3TZ51B	5147A
3TZ51C	5147A
3TZ51D	5147A
3TZ56	5148A
3TZ56A	5148A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
3TZ56B	5148A
3TZ56C	5148A
3TZ56D	5148A
3TZ62	5150A
3TZ62A	5150A
3TZ62B	5150A
3TZ62C	5150A
3TZ62D	5150A
3TZ68	5151A
3TZ68A	5151A
3TZ68B	5151A
3TZ68C	5151A
3TZ68D	5151A
3TZ75	5152A
3TZ75A	5152A
3TZ75B	5152A
3TZ75C	5152A
3TZ75D	5152A
3TZ82	5153A
3TZ82A	5153A
3TZ82B	5153A
3TZ82C	5153A
3TZ82D	5153A
3TZ91	5155A
3TZ91A	5155A
3TZ91B	5155A
3TZ91C	5155A
3TZ91D	5155A
3TZ100	5156A
3TZ100A	5156A
3TZ100B	5156A
3TZ100C	5156A
3TZ100D	5156A
3TZ110	5157A
3TZ110A	5157A
3TZ110B	5157A
3TZ110C	5157A
3TZ110D	5157A
3TZ120	5158A
3TZ120A	5158A
3TZ120B	5158A
3TZ120C	5158A
3TZ120D	5158A
3TZ130	5159A
3TZ130A	5159A
3TZ130B	5159A
3TZ130C	5159A
3TZ130D	5159A
3TZ140	5160A
3TZ140A	5160A
3TZ140B	5160A
3TZ140C	5160A
3TZ140D	5160A
3TZ150	5161A
3TZ150A	5161A
3TZ150B	5161A
3TZ150C	5161A
3TZ150D	5161A
3TZ160	5162A
3TZ160A	5162A
3TZ160B	5162A
3TZ160C	5162A
3TZ160D	5162A
3TZ180	5164A
3TZ180A	5164A
3TZ180B	5164A
3TZ180C	5164A
3TZ180D	5164A
3TZ200	5166A
3TZ200A	5166A
3TZ200B	5166A
3TZ200C	5166A
3TZ200D	5166A
3V160B	5162A
3VR5.6	5117A
3VR5.6A	5117A
3VR5.6B	5117A
3VR6	5118A
3VR6A	5118A
3VR6B	5118A
3VR6.2	5119A
3VR6.2A	5119A
3VR6.2B	5119A
3VR6.8	5120A
3VR6.8A	5120A
3VR6.8B	5120A
3VR7.5	5121A
3VR7.5A	5121A
3VR7.5B	5121A
3VR8.2	5122A
3VR8.2A	5122A
3VR8.2B	5122A
3VR8.5	5123A
3VR8.5A	5123A
3VR8.5B	5123A
3VR9.1	5124A
3VR9.1A	5124A
3VR9.1B	5124A
3VR10	5125A
3VR10A	5125A
3VR10B	5125A
3VR11	5126A
3VR11A	5126A
3VR11B	5126A
3VR12	5127A
3VR12A	5127A
3VR12B	5127A
3VR13	5128A
3VR13A	5128A
3VR13B	5128A
3VR15	5130A
3VR15A	5130A
3VR15B	5130A
3VR16	5131A
3VR16A	5131A
3VR16B	5131A
3VR18	5133A
3VR18A	5133A
3VR18B	5133A
3VR20	5135A
3VR20A	5135A
3VR20B	5135A
3VR22	5136A
3VR22A	5136A
3VR22B	5136A
3VR24	5137A
3VR24A	5137A
3VR24B	5137A
3VR27	5139A
3VR27A	5139A
3VR27B	5139A
3VR30	5141A
3VR30A	5141A
3VR30B	5141A
3VR33	5142A
3VR33A	5142A
3VR33B	5142A
3VR36	5143A
3VR36A	5143A
3VR36B	5143A
3VR39	5144A
3VR39A	5144A
3VR39B	5144A
3VR43	5145A
3VR43A	5145A
3VR43B	5145A
3VR47	5146A
3VR47A	5146A
3VR47B	5146A
3VR51	5147A
3VR51A	5147A
3VR51B	5147A
3VR56	5148A
3VR56A	5148A
3VR56B	5148A
3VR62	5150A
3VR62A	5150A
3VR62B	5150A
3VR67	5151A
3VR67A	5151A
3VR67B	5151A
3VR68	5151A
3VR68A	5151A
3VR68B	5151A
3VR75	5152A
3VR75A	5152A
3VR75B	5152A
3VR82	5153A
3VR82A	5153A
3VR82B	5153A
3VR90	5155A
3VR90A	5155A
3VR90B	5155A
3VR91	5155A
3VR91A	5155A
3VR91B	5155A
3VR100	5156A
3VR100A	5156A
3VR100B	5156A
3VR110	5157A
3VR110A	5157A
3VR110B	5157A
3VR120	5158A
3VR120A	5158A
3VR120B	5158A
3VR130	5159A
3VR130A	5159A
3VR130B	5159A
3VR150	5161A
3VR150A	5161A
3VR150B	5161A
3VR160	5162A
3VR160A	5162A
3VR160B	5162A
3VR180	5164A
3VR180A	5164A
3VR180B	5164A
3VR200	5166A
3VR200A	5166A
3VR200B	5166A
3Z3.3T5	5172AK
3Z3.6T5	5173AK
3Z3.9T5	5174AK
3Z3.9T10	5174AK
3Z3.9T20	5174AK
3Z4.3T5	5175AK
3Z4.3T10	5175AK
3Z4.3T20	5175AK
3Z4.7T5	5176AK
3Z4.7T10	5176AK
3Z4.7T20	5176AK
3Z5.1T5	5177AK
3Z5.1T10	5177AK
3Z5.1T20	5178AK
3Z5.6T5	5178AK
3Z5.6T10	5178AK
3Z5.6T20	5178AK
3Z6.2T5	5180AK
3Z6.2T10	5180AK
3Z6.2T20	5180AK
3Z6.8	5120A
3Z6.8A	5120A
3Z6.8B	5120A
3Z6.8T5	5181AK
3Z6.8T10	5181AK
3Z6.8T20	5181AK
3Z7.5T5	5182AK
3Z7.5T10	5182AK
3Z7.5T20	5182AK
3Z8.2T5	5183AK
3Z8.2T10	5183AK
3Z8.2T20	5183AK
3Z9.0	5124A
3Z9.0A	5124A
3Z9.0B	5124A
3Z9.1T5	5185AK
3Z9.1T10	5185AK
3Z9.1T20	5185AK
3Z10T5	5186AK
3Z10T10	5186AK
3Z10T20	5186AK
3Z11T5	5187AK
3Z11T10	5187AK
3Z11T20	5187AK
3Z12	5127A
3Z12A	5127A
3Z12B	5127A
3Z12T5	5188AK
3Z12T10	5188AK
3Z12T20	5188AK
3Z13T5	5189AK
3Z13T10	5189AK
3Z13T20	5189AK
3Z15	5130A
3Z15A	5130A
3Z15B	5130A
3Z15T5	5191AK
3Z15T10	5191AK
3Z15T20	5191AK
3Z16T5	5192AK
3Z16T10	5192AK
3Z16T20	5192AK
3Z18	5133A
3Z18A	5133A
3Z18B	5133A
3Z18T5	5194AK
3Z18T10	5194AK
3Z18T20	5194AK
3Z20T5	5196A
3Z20T10	5196AK
3Z20T20	5196AK
3Z21	5135A
3Z21A	5135A
3Z21B	5135A
3Z22T5	5197AK
3Z22T10	5197AK
3Z22T20	5197AK
3Z24	5137A
3Z24A	5137A
3Z24B	5137A
3Z24T5	5198AK
3Z24T10	5198AK
3Z24T20	5198AK
3Z27	5139A
3Z27A	5139A
3Z27B	5139A
3Z27T5	5200AK
3Z27T10	5200AK
3Z27T20	5200AK
3Z30	5141A
3Z30A	5141A
3Z30B	5141A
3Z30T5	5202AK
3Z30T10	5202AK
3Z30T20	5202AK
3Z33	5142A
3Z33A	5142A
3Z33B	5142A
3Z33T5	5203A
3Z33T10	5203A
3Z36	5143A
3Z36A	5143A
3Z36B	5143A
3ZZ16	5181A
3.0B2(Zener)	5004A
3.3B1(Zener)	5005A
3.58MC	358
3.6B1(Zener)	5006A
3.6L1(Zener)	5006A
4-005	725
4-006	725
4-007	703
4-008	703
4-009	720
4-003721-00	175
4-024(EFJ)	480
4-027(EFJ)	480
4-028(EFJ)	480
4-028J	480
4-082-664-0001	704
4-0294	130
4-0485	108
4-0498	128
4-0563	130
4-08018-667	9910
4-4A-1A7-1	121
4-6B-3A7-1	121MP
4-8P-2A7-1	102A
4-9L-4A7-1	102A
4-12-1A7-1	123A
4-14A17-1	121
4-44-0012-PT2	160
4-46	199
4-47(Sears)	123A
4-48	226MP
4-48(Sears)	226MP
4-50(Sears)	116
4-65-1A7-1	160
4-65-2A7-1	103A
4-65-4A7-1	101
4-65A17-1	160
4-65B17-1	160
4-65C17-1	121
4-66-1A7-1	102A
4-66-2A7-1	102A
4-66-3A7-1	102A
4-74-3A7-1	100
4-77A17-1	105
4-77B17-1	121MP
4-77C17-1	121
4-88A17-1	121
4-88B17-1	160
4-88C17-1	100
4-92-1A7-1	105
4-142	131
4-142-1(Sears)	176
4-202A16	109
4-202R101	116
4-206T-00900	12745
4-206T-01200	1328
4-245	181
4-265	175
4-274	128
4-279	126A
4-280	126A
4-282	109
4-283	185
4-288	128
4-324	312
4-397	128
4-398	128
4-399	108
4-400	108
4-432	160
4-433	108
4-434	108
4-435	104
4-436(Sears)	136A
4-438	124
4-443	108
4-458	181
4-464	152
4-490	181
4-850	107
4-851	123A
4-852	109
4-853	109
4-854	109
4-855	109
4-856	5072A
4-857	109
4-1000-08444	129
4-1001	128
4-1002-04603	233
4-1002-04613	229
4-1002-09005	199
4-1002-09452	199
4-1002-13422	229
4-1004-00553	312
4-1201-20760	177
4-1204-27909	613
4-1205-01200	142A
4-1301-04002	116
4-1520-00150	1027
4-1540-011560	801
4-1540-11370	788
4-1540-11510	1237
4-1544	199
4-1545	123A
4-1546	176
4-1723	5067A
4-1724	177
4-1726	177
4-1790	123A
4-1791	199
4-1792	192
4-1807	116
4-1848	131MP
4-2020	109
4-2020-03-700	506
4-2020-0500	113A
4-2020-03173	116
4-2020-03200	116
4-2020-03500	109
4-2020-03600	109
4-2020-03700	506
4-2020-03800	506
4-2020-03900	125
4-2020-05000	113A
4-2020-05200	116
4-2020-05400	113A
4-2020-05600	110MP
4-2020-05800	177
4-2020-06100	177
4-2020-06200	177
4-2020-06300	119
4-2020-06400	177
4-2020-06500	506
4-2020-06600	5022A
4-2020-06700	506
4-2020-07300	116
4-2020-07500	137A
4-2020-07600	116
4-2020-07700	116
4-2020-07800	506
4-2020-07801	506
4-2020-08000	506
4-2020-08500	116
4-2020-08600	110MP
4-2020-09200	5077A
4-2020-09400	119
4-2020-8000	125
4-2020-8700	125
4-2020-10100	177
4-2020-11300	5071A
4-2020-11400	5071A
4-2020-11500	5074A
4-2020-11900	5077A
4-2020-12000	5077A
4-2020-12300	5074A
4-2020-12400	142A
4-2020-12501	5074A
4-2020-12700	145A
4-2020-13300	5085A
4-2020-13600	519
4-2020-14000	151A
4-2020-14100	5096A
4-2020-14400	506
4-2020-14500	116
4-2020-14600	506
4-2020-15100	506
4-2020-15600	177
4-2020-16200	177
4-2020-17200	125
4-2020-17600	116
4-2020-18500	116
4-2020-18700	177
4-2020-19400	5143A
4-2020-19500	5085A
4-2020-20100	5070A
4-2020-20500	506
4-2020-20900	506
4-2020-21000	116
4-2020-21100	156
4-2020-21700	137A
4-2020-21900	177
4-2020-22300	506
4-2020-22500	177
4-2020-22700	177
4-2020-22900	525
4-2020-23000	506
4-2020-23100	116
4-2020-23200	506
4-2020-23300	525
4-2020-23400	116
4-2020-24200	138A
4-2020-24300	5071A
4-2021-04170	166
4-2021-04470	125
4-2021-04570	506
4-2021-04770	125
4-2021-04870	506
4-2021-04970	116
4-2021-05000	178MP
4-2021-05070	127
4-2021-05170	112
4-2021-05470	138A
4-2021-05870	109
4-2021-06970	506
4-2021-07370	503
4-2021-07470	177
4-2021-07570	505
4-2021-07670	177
4-2021-07970	506
4-2021-08070	505
4-2021-09370	116
4-2021-7370	503
4-2021-10470	506
4-2021-10870	5074A
4-2021-14970	506
4-2021-15770	506
4-2021-15990	116
4-2021-16670	5074A
4-2029-70791	614
4-2029-70860	519
4-2029-71590	177
4-2039-70100	85
4-2039-70340	126A
4-2039-70350	126A
4-2039-70360	126A
4-2039-70380	107
4-2039-70431	85
4-2039-70460	85
4-2060-02300	1004
4-2060-02400	1004
4-2060-02600	1080
4-2060-02900	1080
4-2060-03900	1080
4-2060-04000	712
4-2060-04200	1094
4-2060-04300	1121
4-2060-04400	1004
4-2060-04600	712
4-2060-04700	1122
4-2060-04800	1122
4-2060-04900	1122
4-2060-05200	1159
4-2060-07200	1094
4-2060-07300	1121
4-2060-07500	1158
4-2060-09100	1183
4-2060-09200	738
4-2060-09700	738
4-2060-09800	1178
4-2060-2300	1004
4-2060-2400	1004
4-2060-12500	1216
4-2061-04970	712
4-2061-05170	749
4-2061-05370	1109
4-2061-05470	712
4-2061-05470(IC)	712
4-2061-05770	712
4-2061-05870	712
4-2069-70020	2001
4-2069-70091	1103
4-2069-71710	1517
4-2073	160
4-3033	116
4-3034	177
4-3036	1029
4-5145	123A
4-68681-2	102A
4-68681-3	102A
4-68682-3	123A
4-68687-3	117A
4-68689-3	125
4-68695-3	108
4-68697-3	125
4-684120-3	108
4-685285-3	108
4-686105-3	125
4-686106-3	125
4-686107-3	108
4-686108-3	108
4-686112-3	108
4-686114-3	108
4-686116-3	117A
4-686118-3	108
4-686119-3	108
4-686120-3	108
4-686126-3	108
4-686127-3	108
4-686130-3	175
4-686131-3	108
4-686132-3	123A
4-686139-3	125
4-686140-3	108
4-686143-3	123A
4-686144-3	123A
4-686145-3	154
4-686147-3	117A
4-686148-3	117A
4-686149-3	116
4-686150-3	117A
4-686151-3	117A
4-686163-3	102A
4-686169-3	108
4-686170-3	129
4-686171-3	108
4-686172-3	108
4-686173-3	123A
4-686177-3	117A
4-686179-3	125
4-686182-3	128
4-686183-3	123A
4-686184-3	125
4-686186-3	125
4-686189-3	125
4-686195-3	102A
4-686196-3	102A
4-686199-3	125
4-686201-3	125
4-686207-3	108
4-686208-3	108
4-686209-3	108
4-686212-3	125
4-686213-3	121
4-686224-3	108
4-686226-3	175
4-686227-3	502
4-686228-3	108
4-686229-3	129
4-686230-3	129
4-686231-3	123A
4-686232-3	154
4-686234-3	196
4-686235-3	129
4-686238-3	129
4-686244-3	108
4-686251-3	108
4-686252-3	191
4-686256-1	126A
4-686256-2	126A
4-686256-3	126A
4-686257-3	123A
4-890210A16	12
4-3022861	108
4-3023190	181
4-3023212	123A
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4-3023222	129
4-3023223	128
4-3023843	130
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4-3025763	108
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4-3025766	123A
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4-20214370	113A
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4-202012000	5077A
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4A-1A6-4	121
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4A8-1A7-1	160
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4A132	5944
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4A262	5994
4A1122	5994
4A2122	5994
4A2143	454
4AJ4DX52D	116
4AJ4DX520	116
4B4B41	5312
4C1	5982
4C2	5986
4C4	5990
4C6	5994
4C8	5998
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4C30	128
4C31	128
4D4	116
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4D20	123A
4D21	123A
4D22	123A
4D24	123A
4D25	123A
4D26	123A
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4G8	125
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4G1122	5994
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4GZ12B	5223A
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4GZ15B	5226A
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4GZ47A	5208A
4GZ56A	5212A
4GZ68A	5215A
4GZ82A	5217A
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4H-130-30621	177
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4H-130-30984	519
4H-130-30993	5313
4H-130-30994	143A
4H-130-31018	519
4H-130-31168	552
4H-130-31173	525
4H-130-31174	116
4H-130-31201	552
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4H-130-31375	613
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4H-130-31438	116
4H-130-31476	3160
4H-130-31566	125
4H-130-31567	3162
4H-130-31622	116
4H-130-31623	136A
4H-130-31907	610
4H-130-34167	5013T1
4H-130-34173	5011A
4H-130-40454	107
4H-130-40936(CBE)	123AP
4H-130-40937	199
4H-130-40995	185
4H-130-41356	107
4H-130-41395(CEB)	159
4H-130-41448	395
4H-130-41461	108

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4H-130-41598	290A
4H-130-41711	85
4H-130-41737	293
4H-130-41738	199◆
4H-130-41768	152
4H-130-41771	290A
4H-130-41772	85
4H-130-41803	399
4H-130-44121	123AP
4H-130-44121(CBE)	123AP
4H-130-44195	107
4H-130-44196(CBE)	199
4H-209-10213	4011B
4H-209-10214	4069
4H-209-10216	4001B
4H-209-80587	987
4H-209-80751	1396
4H-209-80789	1514
4H-209-80967	1563
4H-209-81045	2004
4H-209-81046	778A
4H-209-81047	1324
4H-209-81193	1226
4H-209-81194	1231A
4H-209-81252	1571
4H-209-81473	1288
4H1303-0219	109
4H1303-0613	519
4H1303-0621	177
4H1303-0862	5018A
4H1303-0983	552
4H1303-0984	519
4H1303-1168	552
4H1303-1173	525
4H1303-1174	116
4H1303-1201	552
4H1303-1356	116
4H1303-1393	552
4H1303-1438	116
4H1303-4167	5013T1
4H1304-0937	199
4H1304-0938(CBE)	123AP
4H1304-0941(CBE)	159
4H1304-0995	185
4H1304-1025(CEB)	229
4H1304-1084(CBE)	373
4H1304-1558	2303
4H1304-1803	399
4H1304-4101(CBE)	159
4H1304-4121(CBE)	123AP
4H1304-4145(CEB)	229
4H1304-4154(CEB)	229
4H1304-4196(CBE)	199
4H1304-4283	383
4H1304-4349	382
4H1304-4358(CBE)	159
4H2098-0357	1292
4H2098-0587	987
4H2098-1194	1231A
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4H13030702	177
4H13030845	610
4H13030847	519
4H13030862	5018A
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4H13031201	552
4H13031438	116
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4H13034167	5013T1
4H13034197	5021T1
4H13034278	5014A
4H13034834	5006A
4H13040095	158
4H13040937	199
4H13040938	123AP
4H13040941	159
4H13040947	229
4H13040948	199
4H13040962	159
4H13040995	185
4H13041041	382
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4H13041275	125
4H13041434	159
4H13041448	395
4H13041487	580
4H13041773(ECB)	171
4H13041782	399
4H13041794	612
4H13041803	399
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4H13044121	159
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4H13044195	229
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4H13044358(CBE)	159
4H13044418	312
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4JA2X355	116
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4JA4DX520	116
4JA6MR700	116
4JA10DX3	116
4JA10DX32	116
4JA10EX3	116
4JA11BX4	5874
4JA16MR700M	125
4JA27DR700	5878
4JA38DR700	5998
4JA70MR700	6156
4JA211A	116
4JB2C6	112
4JBC12	112
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4JD1A73	102
4JD3B1	101
4JD5E29	6400B
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4JX1A520C	102
4JX1A520D	100
4JX1A520E	100
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4JX1C707	160
4JX1C850	102
4JX1C850A	100
4JX1C1224	102
4JX1D925	102A
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4JX2A616	103A
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4JX5J695	6409
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4JX8P404	121
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4JX16E3960	123A
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4JX29A829	159
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4JX2825	103
4JZ4X539	142A
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4RCM30	5485
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4T6.2B	137A
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4T502	116
4T503	116
4T504	116
4T505	116
4T506	116
4T507	125
4T508	125
4T509	125
4T510	125
4W01-13	142A
4ZL	186A
4.3Y(ZENER)	5008A
4.7B1(Zener)	5009A
4.7B2	5009A
4.7B2(Zener)	5009A
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4.7Z(Zener)	5009A
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5-30122.1	117A
5-30132.1	118
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5-50241	2042§
5-50242W	2043
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5A003	7408
5A004	7474
5A005	7490
5A006	7493A
5A-09449(Williams)	955M
5A1	116
5A2	116
5A3	116
5A4	116
5A4D	116
5A4D-C	116
5A5	116
5A-5C-8938(Williams)	123AP
5A5D	116
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5A6D	116
5A6D-C	116
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5A8D	125
5A8DC	125
5A10	125
5A10C	125
5A10D	125
5A10D-C	125
5A15	5400
5A-8753(Williams)	5322
5A-8785(Williams)	116
5A-8919(Williams)	519
5A-8948(Williams)	7402
5A-8971(Williams)	4069
5A-8972(Williams)	6821
5A-8973(Williams)	7408
5A-8974(Williams)	7406
5A-8978(Williams)	332
5A-8987(Williams)	6800
5A-9003(Williams)	6810
5A-9005(Williams)	435P22
5A-9006(Williams)	416
5A-9010(Williams)	74154
5A-9011(Williams)	7410
5A-9012(Williams)	7442
5A-9013(Williams)	7404
5A-9014(Williams)	5400
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5A-9059(Williams)	5007A
5A-9073(Williams)	7400
5A-9135(Williams)	140A
5A-9150(Williams)	6802
5A-9153(Williams)	4050B
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5A-9156(Williams)	1232
5A-9157(Williams)	960
5A-9158(Williams)	116
5A-9216(Williams)	287
5A-9217(Williams)	288
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5A-9266(Williams)	5079A
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5B-9054(Williams)	116
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5C-9056(Williams)	287
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5DG2Z41	6244
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5DL2C41	6240
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5GL	116
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5H3PN	5851
5H4D1	116
5H750M	116
5J3P	5870
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5K4164P	6664
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5M4.3ZS5	5114A
5M4.7ZS5	5115A
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5M5.6ZS5	5117A
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5M6.2ZS5	5119A
5M6.8ZS5	5120A
5M7.5ZS5	5121A
5M8.2ZS5	5122A
5M8.7Z5	5183A
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5M10ZS5	5125A
5M11ZS5	5126A
5M12ZS5	5127A
5M13ZS5	5128A
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5ZS18B	5133A
5ZS19	5134A
5ZS19A	5134A
5ZS19B	5134A
5ZS20	5135A
5ZS20A	5135A
5ZS20B	5135A
5ZS22	5136A
5ZS22A	5136A
5ZS22B	5136A
5ZS24	5137A
5ZS24A	5137A
5ZS24B	5137A
5ZS25	5138A
5ZS25A	5138A
5ZS25B	5138A
5ZS27	5139A
5ZS27A	5139A
5ZS27B	5139A
5ZS28	5140A
5ZS28A	5140A
5ZS28B	5140A
5ZS30	5141A
5ZS30A	5141A
5ZS30B	5141A
5ZS33	5142A
5ZS33A	5142A
5ZS33B	5142A
5ZS36	5143A
5ZS36A	5143A
5ZS36B	5143A
5ZS39	5144A
5ZS39A	5144A
5ZS39B	5144A
5ZS43	5145A
5ZS43A	5145A
5ZS43B	5145A
5ZS47	5146A
5ZS47A	5146A
5ZS47B	5146A
5ZS51	5147A
5ZS51A	5147A
5ZS51B	5147A
5ZS56B	5148A
5ZS60	5043A
5ZS60A	5043A
5ZS60B	5149A
5ZS62B	5150A
5ZS68	5151A
5ZS68A	5151A
5ZS68B	5151A
5ZS75	5152A
5ZS75A	5152A
5ZS75B	5152A
5ZS82	5153A
5ZS82A	5153A
5ZS82B	5153A
5ZS87	5153A
5ZS87A	5153A
5ZS87B	5154A
5ZS91	5155A
5ZS91A	5155A
5ZS91B	5155A
5ZS100	5156A
5ZS100A	5156A
5ZS100B	5156A
5.1B(Zener)	5010A
5.1B1(Zener)	5010A
5.1B2	5010A
5.1B2(Zener)	5010A
5.1EB3(Zener)	5010A
5.1N1(Zener)	5010A
5.1N2	5010A
5.1N2(Zener)	5010A
5.1X(Zener)	5010T1
5.6B	5011A
5.6B(Zener)	5011A
5.6B3(Zener)	5011A
5.6EB(ZENER)	5011A
5.6L2(ZENER)	5011A
5.6L2(Zener)	5011A
5.6N1(Zener)	5011A
5.6N2(Zener)	5011A
5.6X(ZENER)	5011T1
6-0000139	128
6-0000155A	102
6-0000158	121
6-000105	102
6-000140	175
6-000555-2	175
6-0004799	5635
6-0005193	152
6-007-3	708
6-04	123A
6-04GRN	123A
6-04ORN	123A
6-04S1	123A
6-04S2	123A
6-05	123A
6-05F	123A
6-05YEL	123A
6-0451	123A
6-0452	123A
6-4	123A
6-11	123A
6-13	102A
6-19	123A
6-24	175
6-30	123A
6-31	159
6-31A	159
6-38	159
6-38A	159
6-49	234
6-50	126A
6-53	102A
6-53A	102A
6-53F	102A
6-60	102A
6-60A	160
6-60B	102A
6-60C	160
6-60D	102A
6-60E	160
6-60F	160
6-60P	102A
6-60T	160
6-60X	160
6-61	102A
6-61A	160
6-61B	102A
6-61D	102A
6-61E	160
6-61F	160
6-61P	102A
6-61T	160
6-61X	160
6-62	102A
6-62A	102A
6-62B	102A
6-62C	160
6-62D	102A
6-62E	160
6-62F	126A
6-62P	126A
6-62X	126A
6-63	102A
6-63A	102A
6-63T	102A
6-65	102A
6-65T	102A
6-66	102A
6-66T	102A
6-67	102A
6-67T	102A
6-69	160
6-69X	160
6-70	126A
6-71	126A
6-72	126A
6-84F	160
6-85F	160
6-88	102A
6-88(Automatic)	131
6-89	126A
6-89X	101
6-90	123A
6-93	123A
6-137	130
6-138	234
6-138(pwr)	130
6-139	128
6-140	175
6-155	102
6-158	121
6-223-636	222

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
6-856	128
6-2708	123A
6-4799	5635
6-5193	152
6-5363	102A
6-5552	175
6-9029-15D	123A
6-9029-15E	123A
6-9029-20J	129
6-59010	116
6-490001	175
6-1260039	160
6-1260039A	160
6-6450036	123A
6-6490001	175
6-6490004	130
6A(Zener)	5011A
6A8-1A5L	160
6A15	5850
6A30	5850
6A50	5850
6A100	5854
6A200	5854
6A300	5858
6A400	5858
6A500	5862
6A600	5862
6A700	5866
6A800	5866
6A900	5868
6A1000	5868
6A10227	123A
6A10228	128
6A10229	131
6A10422	123A
6A10423	123A
6A10520	123A
6A10622	158
6A10624	102A
6A10851	123A
6A10855	123A
6A11180	123A
6A11223	161
6A11301	158
6A11665	102A
6A11668	102A
6A12515	158
6A12516	102A
6A12517	158
6A12677	108
6A12678	100
6A12679	108
6A12680	126A
6A12681	123A
6A12682	123A
6A12683	123A
6A12684	102A
6A12685	102A
6A12725	123A
6A12788	123A
6A12789	123A
6A12889	160
6A12988	154
6A12989	102A
6A12990	102A
6A12992	103A
6A12993	103
6A16399	123A
6A7741393	941D
6AC3S	5675
6AC3SL	5675
6AC3SR	5675
6AC5S	5677
6AC5SL	5677
6AC5SR	5677
6AC6S	5677
6AC6SL	5677
6AC6SR	5677
6B1(Zener)	137A
6B2(Zener)	137A
6B-3	121MP
6B-3-70	121MP
6B-3-70-12	121MP
6B-3A	121MP
6B-3A0	121MP
6B-3A1	121MP
6B-3A2	121MP
6B-3A3	121MP
6B-3A3P	121MP
6B-3A4	121MP
6B-3A4-7	121MP
6B-3A4-7B	121MP
6B-3A5	121MP
6B-3A5L	121MP
6B-3A6	121MP
6B-3A7	121MP
6B-3A7-1	121MP
6B-3A8	121MP
6B-3A9	121MP
6B-3A9G	121MP
6B-3A19	121MP
6B-3A21	121MP
6B-3A82	121MP
6B-3AOR	121MP
6B4B41	5312◆
6B-30	121MP
6B-31	121MP
6B-32	121MP
6B-33	121MP
6B-34	121MP
6B-35	121MP
6B-36	121MP
6B-37	121MP
6B-38	121MP
6B-39	121MP
6BG11	5818
6C05	5850
6C05R	5851
6C2(Zener)	5013T1
6C3(Zener)	5013T1
6C10	5854
6C10R	5855
6C15	5854
6C15R	5855
6C20	5854
6C20R	5855
6C30	5858
6C30R	5859
6C40	5858
6C40R	5859
6C50	5862
6C50R	5863
6C60	5862
6C60R	5863
6C70	5866
6C70R	5867
6C80	5866
6C80R	5867
6C90	5868
6C90R	5869
6C100	5868
6C100R	5869
6CC11	5944
6CC13	5854
6CD13	5855
6D0000105	102
6D4B41	5313◆
6D122	102A
6D122R	102A
6D122T	102A
6D122TC	102A
6D122TH	102A
6D122U	102A
6D122V	102A
6D122W	102A
6D122Y	102A
6DC11	5994
6DG11	5818
6E137N	3087
6E4850/56-0001	123A
6E4850/56-0002	128
6F0393	410/172A
6F5	5850
6F5A	5850
6F5B	5850
6F5-D	5850
6F10	5854
6F10A	5854
6F10B	5854
6F10-D	5854
6F15	5854
6F15A	5854
6F15B	5854
6F15-D	5854
6F20	5854
6F20A	5854
6F20B	5854
6F20-D	5854
6F30	5858
6F30A	5858
6F30B	5858
6F30-D	5858
6F40	5858
6F40A	5858
6F40B	5858
6F40-D	5858
6F50	5862
6F50A	5862
6F50B	5862
6F50-D	5862
6F60	5862
6F60A	5862
6F60B	5862
6F60-D	5862
6F70	5866
6F70A	5866
6F70B	5866
6F80	5866
6F80A	5866
6F80B	5866
6F80-D	5866
6F90	5868
6F90A	5868
6F90B	5868
6F100	5868
6F100A	5868
6F100B	5868
6F100-D	5868
6FC13	5858
6FD13	5859
6FG11	5820
6FH05	5818
6FH05S	5819
6FH1	5818
6FH1S	5819
6FH2	5818
6FH2S	5819
6FH3	5820
6FH3S	5821
6FH4	5820
6FH4S	5821
6FR4S	5820
6FR5	5851
6FR5A	5851
6FR5-D	5851
6FR10	5855
6FR10A	5855
6FR10B	5855
6FR10-D	5855
6FR15	5855
6FR15A	5855
6FR15B	5855
6FR20	5855
6FR20A	5855
6FR20B	5855
6FR20-D	5855
6FR30	5859
6FR30A	5859
6FR30B	5859
6FR40	5859
6FR40A	5859
6FR40B	5859
6FR40-D	5859
6FR50	5863
6FR50A	5863
6FR50B	5863
6FR58	5851
6FR60	5863
6FR60A	5863
6FR60B	5863
6FR60-D	5863
6FR70	5867
6FR70A	5867
6FR70B	5867
6FR80	5867
6FR80A	5867
6FR80B	5867
6FR80-D	5867
6FR90	5869
6FR90A	5869
6FR90B	5869
6FR100	5869
6FR100A	5869
6FR100B	5869
6G4	113A
6G4B41	5314◆
6G8	116
6GA175D	116
6GA1750	116
6GC1	113A
6GC1BY1	113A
6GC12	5858
6GD1	114
6GG11	5820
6GX1	115
6GX1BY1	115
6i0148-1	128
6J4B41	5315◆
6J21ST	457
6JC12	5862
6JG11	5822
6L122	102A
6LC12	5866
6LF11	5867
6M4	116
6M10	5982
6M20	5986
6M30	5988
6M40	5990
6M60	5994
6M80	5998
6M100	6002
6MA04-1	116
6MA04-2	116
6MA04-3	116
6MA04-4	116
6MA04-5	116
6MA04-6	116
6MA04-7	116
6MA10	5983
6MA20	5987
6MA30	5989
6MA40	5991
6MA60	5995
6MA80	5999
6MA100	6003
6MC	160
6N135	3092
6N136	3092
6N136AB	3092
6N137	3087
6N138	3093
6N139	3093
6N139AB	3093
6NC12	5868
6NF11	5869
6PPL5	5312
6PPL10	5312
6PPL20	5313
6PPL40	5314
6PPL60	5315
6PPL80	5316
6PSB	206
6R522PC7BAD1	116
6RH05	5819
6RH05S	5818
6RH1	5819
6RH1S	5818
6RH2	5819
6RH2S	5818
6RH3	5821
6RH3S	5820
6RH4	5821
6RH4S	5821
6RS5SP5B5	524V15
6RS6PH1RAD1	119
6RS6PH13BCJ1	119
6RS6PH13BJJ1	119
6RS6PH13BKJ1	119
6RS6PH13BLJ1	119
6RS6PH13BMJ1	119
6RS7PH30BCB1	118
6RS7PH120BFB1	118
6RS7PH130BCB1	118
6RS7PH136AB1	119
6RS18PH10BNB1	118
6RS18PH110BEB1	118
6RS18PH110BHB1	118
6RS18PH110BMB1	118
6RS20SP5B5	524V15
6RS21SA6D6	524V15
6RS36PH13BJJ1	119
6RS36PH13BJK1	119
6RS36PH13BKJ1	119
6RS36PH13BLJ1	119
6RS51GX12	120
6RS56PHL3BKJ1	119
6RW62HY	116
6S1376A01	524V15
6S155080	5012A
6SB050	5312
6SB5	5312
6SB10	5312
6SB20	5313
6SB40	5314
6SB50	5312
6SB60	5315
6SB80	5316
6SB100	5312
6SB200	5313
6SB400	5314
6SB600	5315
6SB800	5316
6SB1000	5317
6V-200	136A
6X97047A01	123A
6X97047A02	102A
6X97174A01	177
6X97174XA08	177
6.2B(ZENER)	5013A
6.2B(Zener)	5013A
6.2B1(Zener)	5013A
6.2B2(Zener)	5013A
6.2B3(Zener)	5013A
6.2B3(ZENER)	5013A
6.2N1(Zener)	5013A
6.2N2(Zener)	5013A
6.2SR1	137A
6.2SR1A	137A
6.2SR2	137A
6.2SR2A	137A
6.2SR3	137A
6.2SR3A	137A
6.2SR4	137A
6.2SR4A	137A
6.2Y(ZENER)	5013T1
6.2Y(Zener)	5013A
6.2Z(Zener)	5013A
6.8B1(Zener)	5014A
6.8B2	5014A
6.8B3(ZENER)	5014A
6.8EB3(ZENER)	5014A
6.8EN2(ZENER)	5014A
6.8N2(ZENER)	5014A
6.8Y(Zener)	5014A
6.8Z(Zener)	5014A
7-0002	116
7-0002-00	128
7-0003	166
7-0004	116
7-0005	109
7-0006	109
7-0007	5226A
7-0008	116
7-0009	5220A
7-0011-00	128
7-0012-00	129
7-0013	177
7-0014	159
7-0015	123A
7-0030-00	175
7-0051-00	128
7-0112-00	152
7-0112-03	152
7-0112-04	152
7-0112-05	152
7-0115-000	390
7-0197	390
7-0197-00	390
7-1(Sarkes)	123A
7-1(Standel)	121
7-2(Standel)	104MP
7-2(Sarkes)	123A
7-3(Sarkes)	123A
7-3(Standel)	129
7-4	108
7-4(Standel)	129
7-4(Sarkes)	123A
7-5	123A
7-5(Sarkes)	123A
7-6	108
7-6(Sarkes)	123A
7-7	108
7-7(Sarkes)	123A
7-8	108
7-8(Sarkes)	123A
7-8(Standel)	168
7-9	161
7-9(Sarkes)	161
7-10	161
7-10(Sarkes)	161
7-11(Sarkes)	161
7-11(Standel)	125(4)
7-12(Standel)	130
7-13(Standel)	130
7-14A	129
7-15(Standel)	125(4)
7-15(Sarkes)	123A
7-16	107
7-16(Sarkes)	123A
7-17	123A
7-17(Sarkes)	123A
7-18(Sarkes)	123A
7-19(Sarkes)	123A
7-19(Standel)	124
7-20(Sarkes)	123A
7-21(Sarkes)	161
7-22(Sarkes)	161
7-23(Sarkes)	161
7-24(Sarkes)	161
7-25(Sarkes)	161
7-26	107
7-28(Standel)	218
7-29(Standel)	175
7-39	107
7-40	222
7-44	108
7-59-0013477	109
7-59-0053477	166
7-59-068	123A
7-59-0103477	158
7-59-0193477	108
7-59-0203477	108
7-59-0213477	108
7-59-0223477	108
7-59-0233477	108
7-59-0243477	123A
7-59-0293477	102A
7-59-0603477	102A
7-117-02	221
7-3401A	126A
7-5806	5547
7-5851	5675
7-5851-02	5675
7-5851V	5675
7-5853	5651
7-5853A	5642
7-5853B	5642
7-6006-00	5801
7-25806-01	5547
7-73004-02	176
7-73004-03	176
7-73004-04	176
7-73004-1	176
7-1585122	5675
7-2580504	5494
7-2585301-01	5651
7-2585301-02	5642
7-2585303	5642
7-7340102	126A
7-7466201	181
7A30	107
7A30(Sherwood)	123A
7A30(GE)	128
7A31	107
7A31(GE)	128
7A31(Sherwood)	123A
7A32	107
7A32(GE)	128
7A32(Sherwood)	128
7A35(GE)	128
7A75K	1V075
7A95K	1V095
7A115K	1V115
7A130K	1V130
7A150K	1V150
7A250K	1V250
7A275K	1V275
7A300K	1V300
7A995(GE)	128
7A995(Sherwood)	128
7A1011(Sherwood)	128
7A1011(GE)	128
7B1	124
7B2	124
7B2(ZENER)	5014A
7B-3B1	169
7B13	124
7C1	124
7C2	124
7C3	124
7C4011BP	4011B
7D	116
7D1	124
7D2	124
7D3	124
7D18L	1V010
7D22L	1V014
7D24L	1V015
7D27L	1V017
7D33K	1V020
7D39K	1V025
7D47K	1V030
7D56K	1V035
7D68K	1V040
7D82K	1V050
7D100K	1V060
7D210	125
7D210A	125
7E1	124
7E2	124
7E3	124
7G1	124
7G2	124
7G3	124
7G4	124
7J0476	459
7K705M	113A
7L6-0105	175
7L6-0444-1	197 + 196(CP)
7L6-0531-1	197 + 196(CP)
7L6-0531-2	197 + 106(CP)
7L6-0592-1	197 + 196(CP)
7MA60	116
7TB1	5491
7TB2	5483
7TB3	5485
7TB4	5507
7TB5	5529
7TB6	5496
7TB8	5531
7VM705M	113A
7X070	138A
7.Z17B	5076A
7.5B(Zener)	5015A
7.5B1	5015A
7.5B1(Zener)	5014A
8-0001300	125
8-0001400	125
8-0024-1	108
8-0024-2	108
8-0024-3	123
8-0060	100
8-0062	102
8-00243	123A
8-005202	123A
8-0050100	123A
8-0050300	103A
8-0050400	160
8-0050500	160
8-0050600	103A
8-0050700	121
8-0051500	123A
8-0051600	129
8-0052102	123A
8-0052302	123A
8-0052402	130
8-0052600	123A
8-0052700	129
8-0052800	103A
8-0053001	123A
8-0053300	128
8-0053400	123A
8-0053600	108
8-0053702	130MP
8-0104900	160
8-0105200	160
8-0105300	160
8-0205400	102A
8-0205600	102A
8-0222631U	102A
8-0236400	102A
8-0236430	102A
8-0243900	102A
8-0318250	123A
8-0337390	123A
8-0338030	108
8-0338040	108
8-0339430	108
8-0339440	108
8-0383840	108
8-0383930	108
8-0383940	123A
8-0389910	123A
8-0389930	123A
8-0414120	130
8-0414130	130
8-0421980	123A
8-1	175
8-1(Bendix)	175
8-4(Bendix)	123A
8-4-081	312
8-6-007	109
8-9-089	199
8-9-177	229
8-9V	5072A
8-10-019	159
8-10-109	177
8-11-053	222
8-22	116
8-25	116
8-28-043	7493A
8-28-044	74145
8-28-045	601
8-28-048	116
8-28-187	7405
8-28-188	1244§
8-28-206	123A
8-28-217	290A
8-28-254	161
8-28-267	519
8-38	116
8-38-002	974
8-40-001	197
8-40-002	5070A
8-40-003	5074A
8-40-011	7490
8-40-015	7476
8-40-016	7420
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8-759-805-40	1028
8-759-805-61	1028
8-759-811-40	1604
8-759-812-01	1003
8-759-812-31	1441
8-759-812-40	1214
8-759-812-45	1608
8-759-814-05	1515
8-759-814-16	1512
8-759-826-01	1439
8-759-830-42	1338§
8-759-833-01	1006
8-759-833-61	1248
8-759-833-70	1461
8-759-841-25	1382
8-759-843-50	1218
8-759-843-70	1219
8-759-843-90	1219
8-759-846-00	1347
8-759-878-02	1539
8-759-878-03	1539
8-759-900-04	74LS04
8-759-900-09	74LS09
8-759-900-84	1562
8-759-900-86	74LS86
8-759-901-38	74LS138
8-759-903-58	928M
8-759-903-86	823
8-759-904-69	4069
8-759-904-89	1505
8-759-904-94	1729
8-759-931-00	871
8-759-932-80	1659
8-759-935-24	1720
8-759-937-59	1729
8-759-951-02	1558
8-759-952-60	1612
8-759-953-87	2060
8-760-333-10	293
8-760-335-10	293
8-760-343-10	124
8-760-413-00	315
8-760-413-10	315
8-760-514-10	294
8-760-523-10	294
8-761-622-00	199
8-762-020-00	240
8-762-110-00	382
8-762-112-00	382♦
8-762-210-00	383
8-763-113-00	306
8-764-510-00	292
8-764-803-00	379
8-765-012-20	399
8-765-082-20(ECB)	288
8-765-170-01	382
8-765-300-00	229
8-765-422-00	312
8-765-493-00	363
8-765-750-00	10
8-769-132-00	458
8-769-200-20(SGD)	451
8-769-200-30(SGD)	451
8-769-335-10	293
8-819-910-15	5020A
8-851-340-00	1598
8-902-0706-071	123A
8-905-013-752	116
8-905-013-759	116
8-905-013-760	116
8-905-014-008	118
8-905-014-017	123A
8-905-198-001	116
8-905-198-004	116
8-905-198-005	116
8-905-198-007	116
8-905-198-008	116
8-905-198-010	116
8-905-198-034	116
8-905-305-004	110MP
8-905-305-007	109
8-905-305-020	109
8-905-305-023	110MP
8-905-305-055	109
8-905-305-318	109
8-905-305-327	109
8-905-305-330	109
8-905-305-336	109
8-905-305-338	109
8-905-305-339	109
8-905-305-342	109
8-905-305-348	109
8-905-305-400	116
8-905-305-405	109
8-905-305-555	109
8-905-305-561	109
8-905-305-580	109
8-905-305-635	109
8-905-313-007	110MP
8-905-313-008	110MP
8-905-313-010	109
8-905-313-011	109
8-905-313-017	109
8-905-313-018	110MP
8-905-313-100	109
8-905-313-101	109
8-905-313-120	109
8-905-405-002	116
8-905-405-026	116
8-905-405-069	116
8-905-405-077	109
8-905-405-098	177
8-905-405-105	125
8-905-405-134	116
8-905-405-146	116
8-905-405-160	125
8-905-405-170	125
8-905-405-206	116
8-905-405-819	116
8-905-405-822	519
8-905-405-838	109
8-905-406-020	177
8-905-413-092	116
8-905-421-109	136A
8-905-421-118	139A
8-905-421-128	145A
8-905-421-215	5069A
8-905-421-228	139A
8-905-421-234	142A
8-905-421-239	145A
8-905-421-277	139A
8-905-421-300	177
8-905-421-315	150A
8-905-421-319	142A
8-905-421-715	145A
8-905-421-1851	177
8-905-605-016	102A
8-905-605-030	102A
8-905-605-032	102A
8-905-605-050	102A
8-905-605-051	102A
8-905-605-075	102A
8-905-605-090	102A
8-905-605-091	102A
8-905-605-105	103A
8-905-605-108	103A
8-905-605-109	103A
8-905-605-110	103A
8-905-605-111	103A
8-905-605-112	103A
8-905-605-113	103A
8-905-605-120	158
8-905-605-123	158
8-905-605-124	158
8-905-605-125	158
8-905-605-126	158
8-905-605-127	158
8-905-605-128	158
8-905-605-129	158
8-905-605-230	102A
8-905-605-232	102A
8-905-605-234	102A
8-905-605-250	158
8-905-605-255	158
8-905-605-260	158
8-905-605-264	158
8-905-605-266	158
8-905-605-268	158
8-905-605-269	158
8-905-605-292	102A
8-905-605-305	102A
8-905-605-320	160
8-905-605-365	103A
8-905-605-384	103A
8-905-605-390	103A
8-905-605-607	131
8-905-605-624	121
8-905-605-635	121
8-905-605-636	121
8-905-605-637	121
8-905-605-644	161
8-905-605-650	131
8-905-605-775	127
8-905-605-908	127
8-905-606-001	160
8-905-606-003	160
8-905-606-007	160
8-905-606-008	160
8-905-606-010	160
8-905-606-016	160
8-905-606-051	160
8-905-606-075	160
8-905-606-077	160
8-905-606-090	160
8-905-606-105	160
8-905-606-106	160
8-905-606-120	160
8-905-606-142	160
8-905-606-152	160
8-905-606-153	160
8-905-606-154	160
8-905-606-155	160
8-905-606-158	160
8-905-606-165	160
8-905-606-168	160
8-905-606-180	160
8-905-606-211	160
8-905-606-225	160
8-905-606-241	160
8-905-606-255	160
8-905-606-256	160
8-905-606-349	160
8-905-606-350	160
8-905-606-351	160
8-905-606-352	160
8-905-606-360	160
8-905-606-375	160
8-905-606-390	160
8-905-606-391	160
8-905-606-392	160
8-905-606-405	160
8-905-606-419	160
8-905-606-420	160
8-905-606-423	160
8-905-606-720	121
8-905-606-750	102A
8-905-606-800	102A
8-905-606-815	102A
8-905-606-817	102A
8-905-606-885	102A
8-905-613-010	102A
8-905-613-015	103A
8-905-613-062	103A
8-905-613-070	158
8-905-613-071	158
8-905-613-131	158
8-905-613-132	158
8-905-613-133	158
8-905-613-150	158 + 103(CP)
8-905-613-160	158
8-905-613-210	121
8-905-613-215	121
8-905-613-232	127
8-905-613-240	131
8-905-613-241	131
8-905-613-242	131
8-905-613-245	131
8-905-613-250	121
8-905-613-265	131
8-905-613-266	131
8-905-613-277	131
8-905-613-282	131
8-905-613-283	131
8-905-613-284	131
8-905-613-295	127
8-905-613-555	131
8-905-613-640	102A
8-905-613-710	102A
8-905-613-955	102A
8-905-615-156	102A
8-905-705-112	123A
8-905-705-403	123A
8-905-705-405	123A
8-905-705-410	128
8-905-706-010	171
8-905-706-044	161
8-905-706-055	161
8-905-706-060	161
8-905-706-067	171
8-905-706-068	171
8-905-706-070	161
8-905-706-071	161
8-905-706-075	161
8-905-706-076	107
8-905-706-077	107
8-905-706-080	161
8-905-706-101	161
8-905-706-104	123A
8-905-706-110	161
8-905-706-137	159
8-905-706-165	106
8-905-706-201	123A
8-905-706-202	123A
8-905-706-203	123A
8-905-706-206	123A
8-905-706-208	123A
8-905-706-211	123A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
8-905-706-215	123A
8-905-706-235	123A
8-905-706-236	123A
8-905-706-238	123A
8-905-706-239	123A
8-905-706-240	123A
8-905-706-242	123A
8-905-706-244	123A
8-905-706-245	123A
8-905-706-246	123A
8-905-706-247	159
8-905-706-250	123A
8-905-706-251	159
8-905-706-253	159
8-905-706-254	159
8-905-706-255	159
8-905-706-256	159
8-905-706-257	123A
8-905-706-260	123A
8-905-706-263	123A
8-905-706-280	159
8-905-706-286	159
8-905-706-287	159
8-905-706-288	159
8-905-706-289	159
8-905-706-290	159
8-905-706-336	123A
8-905-706-545	129
8-905-706-555	130
8-905-706-556	130
8-905-706-557	130
8-905-706-606	123A
8-905-706-730	161
8-905-706-790	160
8-905-706-801	184
8-905-706-894	222
8-905-706-901	312
8-905-707-254	123A
8-905-707-265	123A
8-905-707-313	123A
8-905-707-314	199
8-905-707-317B	199
8-905-707-327	159
8-905-707-338	298
8-905-707-416	199
8-905-713-058	159
8-905-713-101	130
8-905-713-110	184
8-905-713-556	130
8-905-713-810	129
8-905-955-029	801
8-906-706-112	161
8-1074	152
8-1075	390
8-2409501	123A
8-2410300	129
8-81250108	199
8-81250109	123A
8A01	109
8A1002	172A
8A1003	172A
8A10521	131
8A10625	131
8A11083	131
8A11667	116
8A11721	131
8A12359	131
8A12789	123A
8A12991	104
8A13164	131
8A13718	158
8A17701	460
8AN10	5945
8AN20	5945
8AN30	5878
8AN40	5900
8AN100	5910
8C91	139A
8C145-01	218
8C200	159
8C201	159
8C202	159
8C203	159
8C204	159
8C205	159
8C206	159
8C207	159
8C430	159
8C430K	159
8C440	159
8C440K	159
8C443	159
8C443K	159
8C445	159
8C445K	159
8C449	159
8C449K	159
8C450	159
8C460	159
8C460K	159
8C463	159
8C463K	159
8C465	159
8C465K	159
8C466	159
8C466K	159
8C467	159
8C467K	159
8C468	159
8C468K	159
8C469	159
8C469K	159
8C470	159
8C470K	159
8C700	159
8C700A	159
8C700B	159
8C702	159
8C702A	159
8C702B	159
8C704	159
8C740	159
8C740G	159
8C740M	159
8C742	159
8C742G	159
8C742M	159
8C7400	159
8C7420	159
8CG15	116
8CG15RE	116
8D	160
8D4	116
8D6	116
8D8	125
8D10	125
8E	160
8E(Automatic)	126A
8F	160
8F(Automatic)	126A
8G7	125
8GA	125
8H303	121
8J1958	5653
8L	160
8L201	121
8L201B	121
8L201C	121
8L201R	121
8L201V	121
8L301V	104
8L404	121
8M-26102	358
8P	160
8P1M	5462
8P-2	102A
8P-2-70	102A
8P-2-70-12	102A
8P-2-70-12-7	102A
8P-2A	102A
8P-2A0	102A
8P-2A0R	102A
8P-2A1	102A
8P-2A2	102A
8P-2A3	102A
8P-2A3P	102A
8P-2A4	102A
8P-2A4-7	102A
8P-2A4-7B	102A
8P-2A5	102A
8P-2A5L	102A
8P-2A6	102A
8P-2A6-2	102A
8P-2A7	102A
8P-2A7-1	102A
8P-2A8	102A
8P-2A9	102A
8P-2A9G	102A
8P-2A19	102A
8P-2A21	102A
8P-2A82	102A
8P2M	5463
8P-20	102A
8P-21	102A
8P-22	102A
8P-23	102A
8P-24	102A
8P-25	102A
8P-26	102A
8P-27	102A
8P-28	102A
8P-29	102A
8P40	104
8P50S	131
8P73BLU	152
8P73GRN	152
8P73YEL	152
8P111	312
8P202	131
8P345	152
8P404	104
8P404B	121
8P404F	104
8P404M	121
8P404N	121
8P404ORN	104
8P404R	121
8P404T	131
8P404V	121
8P415C	121
8P416C	121
8P445	153
8P505	131
8P880	105
8P880B	105
8P1555	179
8P9253	153
8PC60	121
8PS60	121
8Q-000003-11	234
8Q-3-04	103A
8Q-3-10	199
8Q-3-11	159
8Q-3-13	128
8Q-3-14	159
8Q-3-23	155
8RCM5	5501
8RCM20	5504
8RCV5	5501
8RCV20	5504
8T04A	5629♦
8T04HA	5629♦
8T14A	5629♦
8T14HA	5629♦
8T22	74122
8T22A	9601
8T24A	5629♦
8T24HA	5629♦
8T26	6880
8T26A	6880
8T28	6889
8T34A	5629♦
8T34HA	5629♦
8T44A	5629♦
8T44HA	5629♦
8T95	6885
8T96	6886
8T97	6887
8T98	6888
8T245	74LS245
8.2Z(Zener)	5016A
8.67.5072.0	109
9-003	107
9-006	123A
9-050-29	126A
9-919-415-00	1220
9-982-273-00	586
9-5108	160
9-5110	160
9-5111	160
9-5112	101
9-5113	101
9-5114	101
9-5116	160
9-5117	160
9-5118	160
9-5119	160
9-5120	160
9-5120A	100
9-5121	160
9-5122	160
9-5123	160
9-5124	160
9-5125	108
9-5126	108
9-5127	108
9-5128	108
9-5129	108
9-5130	108
9-5131	108
9-5201	102A
9-5202	103A
9-5203	102A
9-5204	102A
9-5208	102A
9-5209	102A
9-5212	102A
9-5213	102A
9-5214	102A
9-5216	123A
9-5217	102A
9-5218	102A
9-5220	128
9-5221	123A
9-5222-1	102A
9-5222-2	103A
9-5223	108
9-5224-1	102A
9-5224-2	103A
9-5225	123A
9-5226-003	129
9-5226-004	128
9-5226-1	129
9-5226-2	123A
9-5226-3	129
9-5226-4	128
9-5227	123A
9-5250	121
9-5250-1	121MP
9-5251	121
9-5252	124
9-5252-1	124
9-5252-2	124
9-5252-3	124
9-5252-4	124
9-5257	121MP
9-5296	123A
9-9101	126A
9-9102	126A
9-9103	126A
9-9104	102A
9-9105	160
9-9106	160
9-9107	160
9-9108	160
9-9109-1	123A
9-9109-2	123A
9-9120	160
9-9121	160
9-9201	102A
9-9202	102A
9-9203	102A
9-511411400	121
9-511410100	102A
9-511410200	102A
9-511410900	102A
9-511413500	102A
9-511511500	125
9A02(MOT)	746
9A1	358
9A8-1A64	160
9B181K	1V115
9B201K	1V130
9B241K	1V150
9B391K	1V250
9B820K	1V050
9D11	177
9D12	109
9D13	116
9D14	177
9D15	139A
9D16	109
9D141003-12	139A
9DI	177
9DI2	109
9DI3	177
9DT1100310	109
9G101K	1V060
9G121K	1V075
9G151K	1V095
9G180K	1V010
9G181K	1V115
9G201K	1V130
9G220K	1V014
9G240K	1V015
9G241K	1V150
9G270K	1V017
9G330K	1V020
9G390K	1V025
9G391K	1V250
9G431K	1V275
9G470K	1V030
9G471K	1V300
9G560K	1V035
9G680K	1V040
9G820K	1V050
9GR2	123A
9H00DC	74H00
9H00PC	74H00
9H01DC	74H01
9H01PC	74H01
9H04DC	74H04
9H04PC	74H04
9H05DC	74H05
9H05PC	74H05
9H08DC	74H08
9H08PC	74H08
9H10DC	74H10
9H10PC	74H10
9H11DC	74H11
9H11PC	74H11
9H20DC	74H20
9H20PC	74H20
9H21DC	74H21
9H21PC	74H21
9H22	74H22
9H22DC	74H22
9H22PC	74H22
9H30DC	74H30
9H30PC	74H30
9H40DC	74H40
9H40PC	74H40
9H50DC	74H50
9H50PC	74H50
9H51DC	74H51
9H51PC	74H51
9H52DC	74H52
9H52PC	74H52
9H53DC	74H53
9H53PC	74H53
9H54DC	74H54
9H54PC	74H54
9H55DC	74H55
9H55PC	74H55
9H60DC	74H60
9H60PC	74H60
9H61DC	74H61
9H61PC	74H61
9H62DC	74H62
9H62PC	74H62
9H71DC	74H71
9H71PC	74H71
9H72DC	74H72
9H72PC	74H72
9H73DC	74H73
9H73PC	74H73
9H74DC	74H74
9H74PC	74H74
9H76DC	74H76
9H76PC	74H76
9H78DC	74H78
9H78PC	74H78
9H101DC	74H101
9H101PC	74H101
9H102DC	74H102
9H102PC	74H102
9H103DC	74H103
9H103PC	74H103
9H106DC	74H106
9H106PC	74H106
9H108DC	74H108
9H108PC	74H108
9L-4	102A
9L-4-70	102A
9L-4-70-12	102A
9L-4-70-12-7	102A
9L-4A	102A
9L-4A0	102A
9L-4A0R	102A
9L-4A1	102A
9L-4A2	102A
9L-4A3	102A
9L-4A3P	102A
9L-4A4	102A
9L-4A4-7	102A
9L-4A4-7B	102A
9L-4A5	102A
9L 4A5L	102A
9L-4A6	102A
9L-4A6-1	102A
9L-4A7	102A
9L-4A7-1	102A
9L-4A8	102A
9L-4A9	102A
9L-4A9G	102A
9L-4A19	102A
9L-4A21	102A
9L-4A82	102A
9L-40	102A
9L-41	102A
9L-42	102A
9L-43	102A
9L-44	102A
9L-45	102A
9L-46	102A
9LR2	113A
9LR2-1	113A
9LR2-2	114
9LR2-3	113A
9LR2-4	115
9LR2-24	113A
9LR2-76	114
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9N73DC	7473
9N73PC	7473
9N74	7474
9N74DC	7474
9N74PC	7474
9N76DC	7476
9N76PC	7476
9N86DC	7486
9N86PC	7486
9N107DC	74107
9N107PC	74107

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To Be Replaced	ECG Replacement
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9N122PC	74122
9N123DC	74123
9N123PC	74123
9N132DC	74132
9N132PC	74132
9RE1	116
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9S03DC	74S03
9S03PC	74S03
9S04DC	74S04
9S04PC	74S04
9S05DC	74S05
9S05PC	74S05
9S011	102A
9S037	123A
9S10DC	74S10
9S10PC	74S10
9S11DC	74S11
9S11PC	74S11
9S15DC	74S15
9S15PC	74S15
9S20DC	74S20
9S20PC	74S20
9S22DC	74S22
9S22PC	74S22
9S40DC	74S40
9S40PC	74S40
9S64DC	74S64
9S64PC	74S64
9S65DC	74S65
9S65PC	74S65
9S74DC	74S74
9S74PC	74S74
9S112DC	74S112
9S112PC	74S112
9S113DC	74S113
9S113PC	74S113
9S114DC	74S114
9S114PC	74S114
9S133DC	74S133
9S133PC	74S133
9S134DC	74S134
9S134PC	74S134
9S140DC	74S140
9S140PC	74S140
9S2967	461
9TR1	107
9TR2	123A
9TR3	199
9TR4	195A
9TR5	237
9TR6	195A
9TR7	123A
9TR8	152
9TR9	289A
9TR10	123A
9TR11	195A
9TR11001-01	107
9TR21001-02	123A
9TR31001-03	123A
9TR61001-07	128
9TR91001-09	130
9TRZ1001-02	123A
9.1B(Zener)	5018A
9.1B3	5018A
9.1B3(Zener)	5018A
9.1N3(Zener)	5018A
9.1Z(Zener)	5018A
10-001	1254
10-002	229
10-003	199
10-004	312
10-005	312
10-006	295
10-007	235
10-008	289A
10-009	186A
10-06-1005	2062
10-010	177
10-011	519
10-012	116
10-013	139A
10-014	229
10-015	614
10-016	136A
10-017	138A
10-018	139A
10-030710	123A
10-080009	108
10-080010	123A
10-085001	109
10-085004	110MP
10-085005	177
10-085006	116
10-085009	116
10-085010	116
10-085025	109
10-085026	116
10-085027	135A
10-1(TRANSISTOR)	161
10-1(RECT)	116
10-2	161
10-2SA49	126A
10-2SB54	102A
10-2SB56	102A
10-2SC80	108
10-2SC94	108
10-2SC380	107
10-7	116
10-12	116
10-13-002-003	130
10-13-002-004	130
10-13-002-3	130
10-13-002-4	130
10-13i59-002	175
10-26-123-313	152
10-42	116
10-3159-002	175
10-10112	177
10-13002-003	130
10-13002-004	130
10-13030-004	181
10-13030-005	181
10-13159-002	175
10-47674-01	722
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10-374101	130
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10AC3S	5675
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10AS	116
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10AT4	116
10AT6	116
10AT8	125
10AT10	125
10B	160
10B1	116
10B2	116
10B-2	116
10B2-B1W	166
10B-2-N1W	116(2)
10B3	116
10B4	116
10B-4	120
10B-4-C4	120
10B5	116
10B6	116
10B8	125
10B10	125
10B62	140A
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10B553	108
10B555	108
10B556	108
10B1051	108
10B1055	108
10BL2C41	6240
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10C	116
10C05	116
10C1	116
10C2	116
10C3	116
10C4	116
10C4D	116
10C5	116
10C6	116
10C8	125
10C10	125
10C573	108
10C574	108
10CL2C41	6240
10D	116
10D(ZENER)	5019T1
10D-02	116
10D-05	116
10D05	116
10D-06	116
10D08	5072A
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10D1	116
10-D1	116
10D2	552
10D-2	552
10D-2(Crown)	506
10D2(Crown)	506
10D2(Damper)	506
10D-2B	116
10D-2B(-4)	116
10D-2B-4	506
10D2L	116
10D2X4	116(4)
10D3	116
10D3G	116
10D-4	116
10D4	116
10D4A	125
10D4B	125
10D4C	116
10D4D	116
10D4E	116
10D4L	116
10D5	116
10D5A	506
10D5C	116
10D5D	506
10D5E	116
10D5F	116
10D6	116
10D-6	116
10D6B	116
10D6D	116
10D6E	116
10D6F	116
10D6K	116
10D7	125
10D7E	125
10D7F	125
10D-7K	125
10D8	552
10D-8E	125
10D9K	116
10D10	125
10DB	116(4)
10DB05P	5304
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10DB1P	5304
10DB2A	167
10DB2P	5304
10DB4A	168
10DB4P	5304
10DB6A	168
10DB6A-C	168
10DB6P	5305
10DB8P	5306
10DBF	116
10DC	116
10DC05	116(2)
10DC05(Red)	116
10DC05N	113A
10DC05R	116
10DC05R(Boost)	115
10DC1	116
10DC-1	116(2)
10DC-1(SANYO)	135A
10DC1 Black	116
10DC1 Red	116
10DC-1N	113A
10DC1N	125
10DC1R	125
10DC-1R	116
10DC-2	156(2)
10DC-2B	116(2)
10DC-2C	116
10DC-2F	116(2)
10DC2F	116
10DC-2J	116
10DC-2R	156(2)
10DC4	116
10DC-4	116
10DC4R	116
10DC-4R	116
10DC8	125
10DCIN	116(2)
10DCIR	116(2)
10DCO.5	116(2)
10DCO5R	116
10DCOB	116
10DCOH	116
10DCTR	116
10DG	116
10DK201	2V130
10DK220	2V014
10DK241	2V150
10DK270	2V017
10DK330	2V020
10DK391	2V250
10DK560	2V035
10DK820	2V050
10DL2C41	6240
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10DQ3	116
10DRV	116
10D-V	116
10DV	116
10DX2	116
10DZ	116
10E1	116
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10E1LF	116
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10E10P	116
10EB1	140A
10EI	116
10EZ	116
10F5	5854
10F50	5924
10FWJ2C41	6085
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10G1052	108
10GA	125
10GWJ2C41	6085
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10H3PN	5855
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10H553	108
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10H1053	108
10HB05	5322
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10HB20	5322
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10HB60	5326
10HB80	5327
10HB100	5328
10HR3N	5819
10HR3P	5818
10I10	125
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10J2	116
10J2F	116
10J3P	5874
10JH3	6050
10K	116
10K-1	116
10K80	505
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10M	116
10M3.9AZ5	5174A
10M4.3AZ5	5175A
10M4.7AZ5	5176A
10M5.1AZ5	5177A
10M5.6AZ5	5178A
10M6.2AZ5	5180A
10M6.8AZ5	5181A
10M6.8Z5	5181A
10M7.5AZ5	5182A
10M7.5Z5	5182A
10M8.2Z5	5183A
10M9.1Z5	5185A
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10M10Z5	5186A
10M11Z5	5187A
10M12Z5	5188A
10M13Z5	5189A
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10M160Z5	5227A
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10MA100	6003
10MZ200Z5	5232A
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10N2(Zener)	5019A
10N3	5874
10N3(ZENER)	5019A
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10P1	159
10P1A	159
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10P1SG	5522
10P2	5874
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10PZ27C	5200A
10PZ27D	5200A
10PZ30	5202A
10PZ30A	5202A
10PZ30B	5202A
10PZ30C	5202A
10PZ30D	5202A
10PZ33	5203A
10PZ33A	5203A
10PZ33B	5203A
10PZ33C	5203A
10PZ33D	5203A
10PZ36	5204A
10PZ36A	5204A
10PZ36B	5204A
10PZ36C	5204A
10PZ36D	5204A
10PZ39	5205A
10PZ39A	5205A
10PZ39B	5205A
10PZ39C	5205A
10PZ39D	5205A
10PZ43	5206A
10PZ43A	5206A
10PZ43B	5206A
10PZ43C	5206A
10PZ43D	5206A
10PZ47	5208A
10PZ47A	5208A
10PZ47B	5208A
10PZ47C	5208A
10PZ47D	5208A
10PZ51	5210A
10PZ51A	5210A
10PZ51B	5210A
10PZ51C	5210A
10PZ51D	5210A
10PZ56	5212A
10PZ56A	5212A
10PZ56B	5212A
10PZ56C	5212A
10PZ56D	5212A
10PZ68	5215A
10PZ68A	5215A
10PZ68B	5215A
10PZ68C	5215A
10PZ68D	5215A
10PZ75	5216A
10PZ75A	5216A
10PZ75B	5216A
10PZ75C	5216A
10PZ75D	5217A
10PZ82	5217A
10PZ82A	5217A
10PZ82B	5217A
10PZ82C	5217A
10PZ82D	5217A
10PZ91	5219A
10PZ91A	5219A
10PZ91B	5219A
10PZ91C	5219A
10PZ91D	5219A
10PZ100	5220A
10PZ100A	5220A
10PZ100B	5220A
10PZ100C	5220A
10PZ100D	5220A
10PZ110	5222A
10PZ110A	5222A
10PZ110B	5222A
10PZ110C	5222A
10PZ110D	5222A
10PZ120	5223A
10PZ120A	5223A
10PZ120B	5223A
10PZ120C	5223A
10PZ120D	5223A
10PZ130	5224A
10PZ130A	5224A
10PZ130B	5224A
10PZ130C	5224A
10PZ130D	5224A
10PZ150	5226A
10PZ150A	5226A
10PZ150B	5226A
10PZ150C	5226A
10PZ150D	5226A
10PZ160	5227A
10PZ160A	5227A
10PZ160B	5227A
10PZ160C	5227A
10PZ160D	5227A
10PZ180	5230A
10PZ180A	5230A
10PZ180B	5230A
10PZ180C	5230A
10PZ180D	5230A
10PZ200	5232A
10PZ200A	5232A
10PZ200B	5232A
10PZ200C	5232A
10PZ200D	5232A
10PZ977C	7489
10Q3	5944
10R1B	116
10R2	5913
10R2B	116
10R3B	116
10R4B	116
10R5B	116
10R6B	116
10R7B	125
10R8B	125
10R9B	125
10R10B	125
10R11B	506
10R12B	506
10R13B	506
10R14B	506
10R15B	525
10RC2	5521
10RC2A	5521
10RC5	5521
10RC5A	5521
10RC10	5522
10RC10A	5522
10RC15	5524
10RC15A	5524
10RC20	5524
10RC20A	5524
10RC25	5527
10RC25A	5545
10RC30	5527
10RC30A	5527
10RC40	5527
10RC40A	5527
10RC50	5529
10RC50A	5529
10RC60	5529
10RC60A	5529
10RC70	5531
10RC70A	5531
10RC80	5531
10RC80A	5531
10RZ6.8	5181AK
10RZ6.8A	5181AK
10RZ6.8B	5181AK
10RZ6.8C	5181A
10RZ7.5	5182AK
10RZ7.5A	5182AK
10RZ7.5B	5182AK
10RZ7.5C	5182A
10RZ7.5D	5182A
10RZ8.2	5183AK
10RZ8.2A	5183AK
10RZ8.2B	5183AK
10RZ8.2C	5183A
10RZ8.2D	5183A
10RZ9.1	5185AK
10RZ9.1A	5185AK
10RZ9.1B	5185AK
10RZ9.1C	5185A
10RZ9.1D	5185A
10RZ10	5186AK
10RZ10A	5186AK
10RZ10B	5186AK
10RZ10C	5186A
10RZ10D	5186A
10RZ11	5187AK
10RZ11A	5187AK
10RZ11B	5187AK
10RZ11C	5187A
10RZ11D	5187A
10RZ12	5188AK
10RZ12A	5188AK
10RZ12B	5188AK
10RZ12C	5188A
10RZ12D	5188A
10RZ13	5189AK
10RZ13A	5189AK
10RZ13B	5189AK
10RZ13C	5189A
10RZ13D	5189A
10RZ15	5191AK
10RZ15A	5191AK
10RZ15B	5191AK
10RZ15C	5191A
10RZ15D	5191A
10RZ16	5192AK
10RZ16A	5192AK
10RZ16B	5192AK
10RZ16C	5192A
10RZ16D	5192A
10RZ18	5194AK
10RZ18A	5194AK
10RZ18B	5194AK
10RZ18C	5194A
10RZ18D	5194A
10RZ20	5196AK
10RZ20A	5196AK
10RZ20B	5196AK
10RZ20C	5196A
10RZ20D	5196A
10RZ22	5197AK
10RZ22A	5197AK
10RZ22B	5197AK
10RZ22C	5197A
10RZ22D	5197A
10RZ24	5198AK
10RZ24A	5198AK
10RZ24B	5198AK
10RZ24C	5198A
10RZ24D	5198A
10RZ27	5200AK
10RZ27A	5200AK
10RZ27B	5200AK
10RZ27C	5200A
10RZ27D	5200A
10RZ30	5202AK
10RZ30A	5202AK
10RZ30B	5202AK
10RZ30C	5202A
10RZ30D	5202A
10RZ33	5203AK
10RZ33A	5203AK
10RZ33B	5203AK
10RZ33C	5203A
10RZ33D	5203A
10RZ36	5204A
10RZ36A	5204AK
10RZ36B	5204AK
10RZ36C	5204A
10RZ36D	5204A
10RZ39	5205AK
10RZ39A	5205AK
10RZ39B	5205AK
10RZ39C	5205A
10RZ39D	5205A
10RZ43	5206AK
10RZ43A	5206AK
10RZ43B	5206AK
10RZ47	5208AK
10RZ47A	5208AK
10RZ47B	5208AK
10RZ47C	5208A
10RZ47D	5208A
10RZ51	5210AK
10RZ51A	5210AK
10RZ51B	5210AK
10RZ51C	5210A
10RZ51D	5210A
10RZ56	5212AK
10RZ56A	5212AK
10RZ56B	5212AK
10RZ56C	5212A
10RZ56D	5212A
10RZ68	5215AK
10RZ68A	5215AK
10RZ68B	5215AK
10RZ68C	5215A
10RZ68D	5215A
10RZ75	5216AK
10RZ75A	5216AK
10RZ75B	5216AK
10RZ75C	5216A
10RZ75D	5216A
10RZ82	5217AK
10RZ82A	5217AK
10RZ82B	5217AK

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
10RZ82C	5217A
10RZ82D	5217A
10RZ91	5219AK
10RZ91A	5219AK
10RZ91B	5219AK
10RZ91C	5219A
10RZ91D	5219A
10RZ100	5220AK
10RZ100A	5220AK
10RZ100B	5220AK
10RZ100C	5220A
10RZ100D	5220A
10RZ110	5222AK
10RZ110A	5222AK
10RZ110B	5222AK
10RZ110C	5222A
10RZ110D	5222A
10RZ120	5223AK
10RZ120A	5223AK
10RZ120B	5223AK
10RZ120C	5223A
10RZ120D	5223A
10RZ130	5224AK
10RZ130A	5224AK
10RZ130B	5224AK
10RZ130C	5224A
10RZ130D	5224A
10RZ150	5226AK
10RZ150A	5226AK
10RZ150B	5226AK
10RZ150C	5226A
10RZ150D	5226A
10RZ160	5227AK
10RZ160A	5227AK
10RZ160B	5227AK
10RZ160C	5227A
10RZ160D	5227A
10RZ180	5230AK
10RZ180A	5230AK
10RZ180B	5230AK
10RZ180C	5230A
10RZ180D	5230A
10RZ200	5232AK
10RZ200A	5232AK
10RZ200B	5232AK
10RZ200C	5232A
10RZ200D	5232A
10T5.6	5178A
10T5.6A	5178A
10T5.6R	5178AK
10T5.6RA	5178AK
10T6.2	5180A
10T6.2A	5180A
10T6.2R	5180AK
10T6.2RA	5180AK
10T6.8	5181A
10T6.8A	5181A
10T6.8R	5181AK
10T6.8RA	5181AK
10T7.5	5182A
10T7.5A	5182A
10T7.5R	5182AK
10T7.5RA	5182AK
10T8.2	5183A
10T8.2A	5183A
10T8.2R	5183AK
10T8.2RA	5183AK
10T9.1	5185A
10T9.1A	5185A
10T9.1R	5185AK
10T9.1RA	5185AK
10T10	5186A
10T10A	5186A
10T10R	5186AK
10T11	5187A
10T11A	5187A
10T11R	5187AK
10T11RA	5187AK
10T12	5188A
10T12A	5188A
10T12R	5188AK
10T12RA	5188AK
10T13	5189A
10T13A	5189A
10T13R	5189AK
10T13RA	5189AK
10T15	5191A
10T15A	5191A
10T15R	5191AK
10T15RA	5191AK
10T16	5192A
10T16A	5192A
10T16R	5192AK
10T16RA	5192AK
10T18	5194A
10T18A	5194A
10T18R	5194AK
10T18RA	5194AK
10T20	5196A
10T20A	5196A
10T20R	5196AK
10T20RA	5196AK
10T22	5197A
10T22A	5197A
10T22R	5197AK
10T22RA	5197AK
10T24	5198A
10T24A	5198A
10T24RA	5198AK
10T27	5200A
10T27A	5200A
10T27R	5200AK
10T27RA	5200AK
10T30	5202A
10T30A	5202A
10T30R	5202AK
10T30RA	5202AK
10T33	5203A
10T33A	5203A
10T33R	5203AK
10T33RA	5203AK
10T36	5204A
10T36A	5204A
10T36R	5204AK
10T36RA	5204AK
10T39	5205A
10T39A	5205A
10T39R	5205AK
10T39RA	5205AK
10T43	5206A
10T43A	5206A
10T43R	5206AK
10T43RA	5206AK
10T47	5208A
10T47A	5208A
10T47R	5208AK
10T47RA	5208AK
10T51	5210A
10T51A	5210A
10T51R	5210AK
10T51RA	5210AK
10T56	5212A
10T56A	5212A
10T56R	5212AK
10T56RA	5212AK
10T62	5214A
10T62A	5214A
10T62R	5214AK
10T62RA	5214AK
10T68	5215A
10T68A	5215A
10T68R	5215AK
10T68RA	5215AK
10T75	5216A
10T75A	5216A
10T75R	5216AK
10T75RA	5216AK
10T82	5217A
10T82A	5217A
10T82R	5217AK
10T82RA	5217AK
10T91	5219A
10T91A	5219A
10T91R	5219AK
10T91RA	5219AK
10T100	5220A
10T100A	5220A
10T100R	5220AK
10T100RA	5220AK
10T110	5222A
10T110A	5222A
10T110R	5222AK
10T110RA	5222AK
10T120	5223A
10T120A	5223A
10T120R	5223AK
10T120RA	5223AK
10T130	5224A
10T130A	5224A
10T130R	5224AK
10T130RA	5224AK
10T150	5226A
10T150A	5226A
10T150R	5226AK
10T150RA	5226AK
10T160	5227A
10T160A	5227A
10T160R	5227AK
10T160RA	5227AK
10T180	5230A
10T180A	5230A
10T180R	5230AK
10T180RA	5230AK
10T200	5232A
10T200A	5232A
10T200R	5232AK
10T200RA	5232AK
10TB1	5502
10TB2	5504
10TB3	5507
10TB4	5507
10TB5	5529
10TB6	5529
10TB7	5531
10TB8	5531
10V	140A
10V(2 watt)	5125A
10V(2 Watt)	5125A
10V200	116
10V200P	116
10VB20	5314
10VJ	140A
10Y(ZENER)	5019T1
10Z3.3T	5172A
10Z3.3T5	5172AK
10Z3.3T10	5172AK
10Z3.3T20	5172AK
10Z3.6T	5173A
10Z3.6T5	5173AK
10Z3.6T10	5173AK
10Z3.6T20	5173AK
10Z3.9T5	5174AK
10Z3.9T10	5174AK
10Z3.9T20	5174AK
10Z4.3T5	5175AK
10Z4.3T10	5175AK
10Z4.3T20	5175AK
10Z4.7T5	5176AK
10Z4.7T10	5176AK
10Z4.7T20	5176AK
10Z5.1T5	5177AK
10Z5.1T10	5177AK
10Z5.1T20	5177AK
10Z5.6T5	5178AK
10Z5.6T10	5178AK
10Z5.6T20	5178AK
10Z6.2T5	5180AK
10Z6.2T10	5180AK
10Z6.2T20	5180AK
10Z6.8T5	5181AK
10Z6.8T10	5181AK
10Z6.8T20	5181AK
10Z7.5T5	5182AK
10Z7.5T10	5182AK
10Z7.5T20	5182AK
10Z8.2T5	5183AK
10Z8.2T10	5183AK
10Z8.2T20	5183AK
10Z9.1T5	5185AK
10Z9.1T10	5185AK
10Z9.1T20	5185AK
10Z10	5186A
10Z10T5	5186AK
10Z10T10	5186AK
10Z10T20	5186AK
10Z11T5	5187AK
10Z11T10	5187AK
10Z11T20	5187AK
10Z12	5188A
10Z12T5	5188AK
10Z12T10	5188AK
10Z12T20	5188AK
10Z13T5	5189AK
10Z13T10	5189AK
10Z13T20	5189AK
10Z15T5	5191AK
10Z15T10	5191AK
10Z15T20	5191AK
10Z16T5	5192AK
10Z16T10	5192AK
10Z16T20	5192AK
10Z18T5	5194AK
10Z18T10	5194AK
10Z18T20	5194AK
10Z20T5	5196AK
10Z20T10	5196AK
10Z20T20	5196AK
10Z22T5	5197AK
10Z22T10	5197AK
10Z22T20	5197AK
10Z24T5	5198AK
10Z24T10	5198AK
10Z24T20	5198AK
10Z27T5	5200AK
10Z27T10	5200AK
10Z27T20	5200AK
10Z30T5	5202A
10Z30T10	5202AK
10Z30T20	5202AK
10Z33T5	5203AK
10Z33T10	5203AK
10Z33T20	5203AK
11-0399	121
11-0400	109
11-0422	289A
11-0423	172A
11-0429	116
11-0430	177
11-0769	116
11-0770	185
11-0771	116
11-0772	184
11-0773	185
11-0774	289A
11-0775	172A
11-0778	289A
11-0781	177
11-085001	109
11-085003	116
11-085004	109
11-085005	109
11-085007	109
11-085008	109
11-085010	123A
11-085012	177
11-085013	116
11-085015	109
11-085022	109
11-085024	116
11/1	177(3)
11-9-156438	519
11/10	506
11/15	116
11/15(Boost)	119
11/15-92	119
11-102-001	166
11-113	1192
11-1500	5842
11-1501	182
11-1502	242
11-1503	183
11-1592	116
11-11911-1	181
11-27070	199
11-102001	116
11-102003	166
11-108002	166
11-120007	116
11-691501	234
11-691502	234
11-691504	159
11B(Zener)	5020A
11B2(Zener)	5020A
11B3(Zener)	5020A
11B551	108
11B552	108
11B554	108
11B555	108
11B1052	108
11B1055	108
11BZ(Zener)	5020A
11C1B1	124
11C2(Zener)	5020A
11C3B1	124
11C3B3	124
11C5B1	124
11C7B1	124
11C10B1	124
11C11B1	124
11C44	974
11C55	974
11C551	108
11C553	108
11C557	108
11C1051	108
11C1053	108
11C1057	108
11C1536	128
11DQ03	585
11DQ04	585
11F1SC	5875
11F2SC	5875
11F3SC	5879
11J2	116
11J2F	116
11N1	5021A
11N2470	463
11R05S	5870
11R1S	5874
11R1SC	5874
11R2S	5874
11R2SC	5874
11R3S	5878
11R3SC	5878
11R4S	5878
11R5S	5882
11R6S	5882
11R8S	5886
11R10S	5890
11RC10	5522
11RC20	5524
11RC30	5527
11RC40	5527
11RC50	5529
11RC60	5529
11RC80	5531
11T4	5408
11T4S	5453
11Y(Zener)	5020A
11Z6AF	5066A
11Z6F	5066A
11ZC11T5	5074A
11ZM11T5	5074A
12-085005	109
12-085006	109
12-085009	109
12-085029	109
12-085031	116
12-085034	109
12-085035	109
12-085038	109
12-085040	116
12-085041	110MP
12-087003	109
12-087004	177
12-1	154
12-1-70	123A
12-1-70-12	123A
12-1-70-12-7	123A
12-1-73	100
12-1-74	100
12-1-75	100
12-1-76	100
12-1-78	100
12-1-83	100
12-1-91	100
12-1-92	100
12-1-93	100
12-1-95	102A
12-1-96	102A
12-1-100	100
12-1-102	100
12-1-103	100
12-1-104	100
12-1-105	100
12-1-106	102A
12-1-107	102A
12-1-120	102A
12-1-128	100
12-1-135	160
12-1-137	160
12-1-138	160
12-1-139	160
12-1-148	102A
12-1-150	160
12-1-157	160
12-1-161	100
12-1-162	100
12-1-164	102A
12-1-179	100
12-1-180	100
12-1-184	102A
12-1-186	100
12-1-189	126A
12-1-190	160
12-1-191	102A
12-1-226	102A
12-1-227	102A
12-1-228	160
12-1-229	160
12-1-230	160
12-1-231	160
12-1-232	102A
12-1-233	160
12-1-234	100
12-1-235	100
12-1-236	100
12-1-240	100
12-1-241	100
12-1-242	126A
12-1-243	126A
12-1-244	126A
12-1-246	102A
12-1-254	100
12-1-256	160
12-1-257	126A
12-1-258	160
12-1-259	160
12-1-260	160
12-1-266	102A
12-1-267	102A
12-1-270	121
12-1-271	121
12-1-272	102A
12-1-273	100
12-1-274	102A
12-1-275	100
12-1-276	123A
12-1-277	123A
12-1-278	123A
12-1-279	123A
12-1-289	100
12-1A	123A
12-1A0	123A
12-1A0R	123A
12-1A1	123A
12-1A2	123A
12-1A3	123A
12-1A3P	123A
12-1A4	123A
12-1A4-7	123A
12-1A4-7B	123A
12-1A5	123A
12-1A5L	123A
12-1A6	123A
12-1A6A	123A
12-1A7	123A
12-1A7-1	123A
12-1A8	123A
12-1A9	123A
12-1A9G	123A
12-1A19	123A
12-1A21	123A
12-1A82	123A
12/1N	115
12/1N10	178MP
12-2	225
12/3	113A
12/3-04	113A
12-4	123A
12-10	123A
12-11	123A
12-12	123A
12-13	123A
12-14	123A
12-15	123A
12-16	123A
12-17	123A
12-18	123A
12-19	123A
12-21-050	234
12/100	113A
12-23163-3	107
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13-14085-84	123A
13-14085-85	123A
13-14085-86	187
13-14085-87	159
13-14085-88	152
13-14085-89	123A
13-14085-90	102A
13-14085-91	128
13-14085-92	129
13-14085-93	126A
13-14085-94	199
13-14085-95	199
13-14085-96	199
13-14085-97	199
13-14085-98	85
13-14085-99	290A
13-14085-100(BCE)	85
13-14085-101(BCE)	290A
13-14085-102(SGD)	459
13-14085-103	459
13-14085-104	459
13-14085-105	192A
13-14085-107	453
13-14085-112	193A
13-14085-113	186A
13-14085-114	85
13-14085-115	199
13-14085-116	290A
13-14085-117	187A
13-14085-118	186A
13-14085-119	289A
13-14085-121	152
13-14085-122	199
13-14085-123	184
13-14085-124	185
13-14085-125	85
13-14085-126	184
13-14085-127	199
13-14085-128	290A
13-14085-129	123AP
13-14085-130	199
13-14085-131	107
13-14085-132	85
13-14085-133	107
13-14085-134	229
13-14085-135	123AP
13-14085-136	184◆
13-14085-137	185◆
13-14085-139	290A
13-14085-140	184#
13-14085-141	185#
13-14085-142	159
13-14085-143	159
13-14085-144(ECB)	229
13-14085-145	199
13-14085-146	85
13-14085-147	85
13-14085-148	85
13-14085-149	290A
13-14085-150	289A
13-14085-151	289A
13-14085-152	290A
13-14085-153	292
13-14085-154	152
13-14085-155	199
13-14085-156	199
13-14085-157	289A
13-14085-158	85
13-14085-159	152
13-14085-160	453
13-14085-161	108
13-14085-162	123AP
13-14085-163	123AP
13-14085-164	123AP
13-14085-165	123AP
13-14085-166	123AP
13-14085-168	222
13-14085-169	152
13-14085-170	85
13-14085-171	123AP
13-14085-172	243
13-14085-173	244
13-14085-174	222
13-14085-175	108
13-14085-176	261
13-14085-177	262
13-14085-179	290A
13-14085-180	85
13-14094-1	109
13-14094-2	109
13-14094-3	109
13-14094-5	109
13-14094-6	125
13-14094-8	110MP
13-14094-9	109
13-14094-11	109
13-14094-12	116
13-14094-15	109
13-14094-16	116
13-14094-17	116
13-14094-24	116
13-14094-33	177
13-14094-36	601
13-14094-38	116
13-14094-39	116
13-14094-42	116
13-14094-52	116
13-14094-53	519
13-14094-54	116
13-14094-57	177
13-14094-59	5011A
13-14094-60	5019A
13-14094-79	5021A
13-14094-80	5030A
13-14097-7	177
13-14261-1	116
13-14261-3	116
13-14261-4	125
13-14261-5	116
13-14278-1	614
13-14278-2	614
13-14279-1	103A
13-14602-D9	159
13-14602-D92	159
13-14604-1	121MP
13-14604-1A	121MP
13-14604-1B	121MP
13-14604-1C	121MP
13-14604-1D	121MP
13-14604-1E	121MP
13-14605-1	128
13-14606-1	123A
13-14627-1	116
13-14627-4	116
13-14735	121
13-14735-1	121
13-14735A	121
13-14777-1	121MP
13-14777-1A	121MP
13-14777-1B	121MP
13-14777-1C	121MP
13-14777-1D	121MP
13-14778-1	121MP
13-14778-1A	121MP
13-14778-1B	121MP
13-14778-1C	121MP
13-14778-1D	121MP
13-14879-1	145A
13-14879-2	142A
13-14879-3	145A
13-14879-4	138A
13-14879-6	5079A
13-14879-7	5079A
13-14886-1	126A
13-14887-1	126A
13-14888-3	102
13-14889-1	126A
13-14890-1	109
13-15465-1	178MP
13-15804-1	123A
13-15805-1	102
13-15806-1	121
13-15808-1	123AP
13-15808-2	161
13-15809-1	154
13-15810-1	108
13-15833-1	128
13-15835-1	161
13-15836-1	102
13-15840-1	123A
13-15840-2	123A
13-15841-1	108
13-15842-1	297
13-15865-1	123A
13-16104-8	116
13-16104-9	116
13-16105-3	119
13-16106-1	118
13-16106-3	503
13-16106-4	504
13-16106-5	504
13-16106-6	504
13-16106-7	504
13-16219-7	113A
13-16235-8	109
13-16247-3	116
13-16570-1	159
13-16570-1A	159
13-16570-2	159
13-16570-2A	159
13-16592-1	127
13-16607-1	127
13-16608-1	127
13-16744-1	108
13-16769-1	123A
13-17174-1	125
13-17174-2	125
13-17174-3	125
13-17174-4	156
13-17174-5	125
13-17204-1	177
13-17557-1	116
13-17569-1	120
13-17569-2	120
13-17596-1	120
13-17596-2	519
13-17596-3	519
13-17596-4	519
13-17596-5	519
13-17596-6	519
13-17596-7	519
13-17596-8	519
13-17596-9	519
13-17596-10	519
13-17597-4	177
13-17607-1	127
13-17607B	127
13-17608-1	127
13-17608-2	127
13-17608B	127
13-17608C	127
13-17609-1	127
13-17825-1	116
13-17917-1	552
13-17917-2	552
13-17918-1	130
13-18022-7	109
13-18032-1	102A
13-18033-1	102A
13-18034	121
13-18034A	121
13-18087-1	123A
13-18087-2	123A
13-18158-1	123A
13-18198-1	179
13-18282	124
13-18282-1	124
13-18304-1	102A
13-18359	124
13-18359-1	124
13-18359-3	124
13-18359A	124
13-18363	123
13-18363-1	123A
13-18363-1A	123
13-18364-1	123A
13-18365-1	199
13-18458-1	116
13-18481-1	5802
13-18481-2	5800
13-18481-3	5802
13-18642-1	179
13-18642-2	179
13-18642-2D	179
13-18642-2E	179
13-18642-2F	179
13-18642-3	179

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
13-18642-3A	179
13-18642-3B	179
13-18642-20	179(2)
13-18642-21	179(2)
13-18654-1	103A
13-18671-1	102A
13-18671-1A	102A
13-18671-1B	102A
13-18671-1C	102A
13-18924-1	5400
13-18924-2	5401
13-18924-3	5400
13-18924-4	5400
13-18924-5	5400
13-18924-6	5404
13-18924-7	5404
13-18924-8	5400
13-18927-1	123A
13-18927-1A	128
13-18944-1	100
13-18944-2	100
13-18946-1	160
13-18946-2	160
13-18947-1	160
13-18948-1	160
13-18948-2	160
13-18949-1	108
13-18950-1	108
13-18951-1	126A
13-18951-2	126A
13-19776-1	159
13-21606-1	127
13-22017-0	177
13-22017-0/3626	177
13-22154-0	610
13-22154-0/3626	614
13-22154-500	610
13-22319-0	5074A
13-22319-500	5074A
13-22452-0	116
13-22461-1	116
13-22463-0	116
13-22463-1	116
13-22463-1/3626	116
13-22463-2	116
13-22581	123A
13-22581-1	123A
13-22582-1	159
13-22582-1A	159
13-22606-0	177
13-22606-0/3626	519
13-22609-0	177
13-22690-1	312
13-22692-1	312
13-22692-2	312
13-22739-1	121MP
13-22739-Blue	121MP
13-22739-Br	121MP
13-22739-Gr	121MP
13-22739-OR	121MP
13-22739-Red	121MP
13-22739-Yel	121MP
13-22741	121
13-22741-1	121MP
13-22741-2	121MP
13-22741 Br	121MP
13-22741-Blue	121MP
13-22741-GR	121MP
13-22741-OR	121MP
13-22741-Red	121MP
13-22741-YEL	121MP
13-23001-2	107
13-23002-2	85
13-23013-2	229
13-23160-2	233
13-23160-2/3626	229
13-23160-3	319P
13-23160-3/3626	229
13-23160-4	123A
13-23160-4/3626	229
13-23160-5	229
13-23160-5/3626	229
13-23163-2	107
13-23163-3	107
13-23309-3/3626	123A
13-23309-4	123AP
13-23309-4/3624	123A
13-23309-5	123A
13-23323-4	289A
13-23323-5	289A
13-23323-6	108
13-23324-6	123A
13-23325-5	159
13-23326-6	289A
13-23327-4	289A
13-23329-5	159
13-23338-3	199
13-23338-4	199
13-23339-2	199
13-23339-3	199
13-23342-2	199
13-23345-2	199
13-23351-2	290A
13-23424-1	319P
13-23505-2	297
13-23506-2	298
13-23507-0	184
13-23508-0	185
13-23510	123AP
13-23510-3	123AP
13-23510-4	287
13-23511	159
13-23511-3	159
13-23511-5	159
13-23516-2	295
13-23517-2	152
13-23518-2	153
13-23519-2	152
13-23543-1	124
13-23543-3	124
13-23594-1	130
13-23707-3	123AP
13-23707-5	123AP
13-23708	123AP + 159(CP)
13-23708-4/3624	159
13-23713-8	159
13-23785-1	102A
13-23822	319P
13-23822-1	319P
13-23824-1	319P
13-23824-1(3rdIF)	233
13-23824-2	319P
13-23824-3	319P
13-23824-3(LAST IF)	233
13-23825-1	154
13-23826-1	159
13-23826-1A	159
13-23826-2	159
13-23826-2A	159
13-23826-3	159
13-23826-3A	159
13-23840-1	128
13-23916-1	123A
13-23917-1	177
13-23924-1	233
13-25702-M9	123AP
13-25702-M92	123AP
13-25802-M9	159
13-25802-M92	159
13-26009-1	161
13-26377-1	131
13-26377-2	155
13-26386-1	159
13-26386-1A	159
13-26386-2	159
13-26386-2A	159
13-26386-3	159
13-26386-4	159
13-26576-1	161
13-26576-2	161
13-26577-1	161
13-26577-2	161
13-26577-3	161
13-26578-1	221
13-26614-1	156
13-26666	128
13-26666-1	128
13-27050-1	103
13-27404-1	123AP
13-27404-2	123A
13-27432-1	194
13-27432-2	123AP
13-27433-1	123A
13-27443-1	128
13-27532-2	128
13-27974-1	157
13-27974-3	198◆
13-28222-1	183
13-28222-2	182
13-28222-3	182
13-28222-4	182
13-28336-1	185
13-28336-2	184
13-28336-20	185 + 184(CP)
13-28386-1	129
13-28391-1	159
13-28391-1A	159
13-28391-2	159
13-28391-2A	159
13-28392-1 @	123AP-@-192
13-28392-2 @	123AP-@-192
13-28392-3 @	123AP-@-192
13-28392-5 @	123AP-@-192
13-28393-1	159
13-28393-1A	159
13-28393-2	159
13-28393-2A	159
13-28393-3	159
13-28394-1	128
13-28394-2	128
13-28394-3	128
13-28394-4	129
13-28394-4A	129
13-28394-5	129
13-28394-5A	129
13-28394-6	129
13-28396-1	390
13-28432-1	194
13-28432-2	154
13-28469-2	152
13-28471-1(Metal)	128
13-28471-1(PLASTIC)	188
13-28532-1	182
13-28583-1	222
13-28584	108
13-28584-1	108
13-28654-1	312
13-28654-2	312
13-28654-3	452
13-28654-4	452
13-29023-3	199
13-29033-1	123AP
13-29033-2	123AP
13-29033-3	123AP
13-29033-4	199
13-29033-5	123AP
13-29033-6	123AP
13-29165-1	156
13-29165-2	156
13-29392-2	108
13-29432-1	123A
13-29437-1	191
13-29600-1	5014A
13-29600-2	5018A
13-29656-1	118
13-29663-1	506
13-29687-2	177
13-29775-1	172A
13-29775-2	410/172A
13-29775-3	410/172A
13-29776-1	159
13-29776-1A	159
13-29776-2	159
13-29776-3	159
13-29861-1	177
13-29867-1	177
13-29867-2	177
13-29868-1	177
13-29947-1	123AP
13-29974-4	157
13-30281	109
13-31013-1	123
13-31013-1(Sylv.)	159
13-31013-1/2	159
13-31013-2	159
13-31013-3	113A
13-31013-4	108
13-31013-5	161
13-31013-6	116
13-31013-7	229
13-31013-7(METAL)	161
13-31013-8	69
13-31013-8(METAL)	161
13-31013-9	159
13-31013-10	123AP
13-31013-11	287
13-31013-12	123AP
13-31013-13	192
13-31013-14	123AP
13-31013-16	152
13-31013-17	187A
13-31013-18	379
13-31013-19	193
13-31013-20	107
13-31013-21	107
13-31013-22	123AP
13-31013-23	123AP
13-31013-24	294
13-31013-25	293
13-31013-26	192
13-31013-27	287
13-31013-28	123AP
13-31013-29	108
13-31013-30	290A
13-31013-31	290A
13-31013-32(EBC)	294
13-31013-33(EBC)	293
13-31013-42	108
13-31013-43	389
13-31013-44	198
13-31013-45	123AP
13-31013-46	290A
13-31013-47	198
13-31013-48	287
13-31013-49	128
13-31013-50	129
13-31013-51	85
13-31013-52	159
13-31013-53	108
13-31013-54	229
13-31013-55	229
13-31013-56	123AP
13-31013-58	198
13-31013-59	375
13-31013-60	198
13-31013-61	375
13-31013-62	389
13-31013-63	123AP
13-31013-64	187A
13-31013-66	54
13-31013-67	186A
13-31014-1	116
13-31014-2	113A
13-31014-3	116
13-31014-4	112
13-31014-5	177
13-31014-6	552
13-31014-7	552
13-31014-8	116
13-31014-9	5015A
13-31014-10	177
13-31014-11	109
13-31014-12	109
13-31014-13	177
13-31014-14	5010A
13-31014-15	611
13-31014-16	552
13-31014-17	552
13-31014-19	552
13-31014-20	502
13-31014-21	109
13-31014-22	177
13-31014-23	503
13-31014-24	116
13-31014-26	5074A
13-31014-27	552
13-31014-29	519
13-31014-30	552
13-31014-31	552
13-31014-33	558
13-31014-34	143A
13-31014-37	116
13-31014-40	519
13-31014-43	552
13-31015-7	712
13-32362-1	123AP
13-32364-1	159
13-32366-1	229
13-32366-2	108
13-32630-1	123AP
13-32630-2	192
13-32630-3	123AP
13-32630-4	192
13-32631-1	159
13-32631-2	193
13-32631-3	159
13-32631-4	193
13-32634-1	186
13-32635-1	187
13-32636-1	152
13-32638-1	184
13-32640-1	152
13-32642-1	184
13-33172-1	558
13-33172-2	558
13-33173-1	462
13-33174	171
13-33174-1	171
13-33174-2	171
13-33175-1	172A
13-33175-2	172A
13-33175-3	172A
13-33176-1	171
13-33177-1	613
13-33178-1	193
13-33179-1	5099A
13-33179-2	145A
13-33179-4	140A
13-33179-5	5079A
13-33179-6	142A
13-33179-7	5097A
13-33179-8	5082A
13-33179-10	5096A
13-33179-12	5094A
13-33179-13	135A
13-33179-14	142A
13-33180-1	188
13-33181-1	389
13-33181-2	389
13-33181-3	389
13-33182-1	162
13-33182-2	162
13-33182-8	5099A
13-33183-1	5421
13-33184-1	6402
13-33185-1	210
13-33186-1	147A
13-33187-1	5047A
13-33187-2	5050A
13-33187-3	5029A
13-33187-4	5031A
13-33187-5	5048A
13-33187-6	5019A
13-33187-7	5019A
13-33187-10	5055A
13-33187-11	5021A
13-33187-12	5011A
13-33187-13	5052A
13-33187-14	5006A
13-33187-15	5032A
13-33187-16	5033A
13-33187-17	5007A
13-33187-18	5024A
13-33187-19	5008A
13-33187-21	5022A
13-33187-24	5020A
13-33187-26	5015A
13-33187-27	5107T2
13-33187-29	5028A
13-33187-31	5029A
13-33187-32	5005A
13-33187-33	5035A
13-33187-35	5046A
13-33187-36	5027A
13-33187-37	5035A
13-33187-38	5016A
13-33187-39	5013T1
13-33187-40	5010A
13-33187-45	5015A
13-33188-1	182
13-33188-2	130
13-33189-1	507
13-33190-1(SQUARE)	5314
13-33190-1(ROUND)	5304
13-33350-1	123A
13-33376-1	116
13-33595-1	123A
13-33595-2	123A
13-33595-3	123A
13-33742-1METAL	401/128
13-33742-1Plastic	188
13-33787-29	5028A
13-33925-1	184
13-33959-1	5400
13-34002-1	196
13-34002-2	196
13-34002-3	241
13-34002-4	196
13-34002-5	241
13-34003-1	192A
13-34003-1(METAL)	128
13-34004-1	189
13-34004-1(Metal)	129
13-34004-1(H SINK)	193A
13-34045-1	108
13-34045-2	108
13-34046-1	186
13-34046-2	186
13-34046-3	186
13-34046-4	186
13-34046-5	291
13-34047-1	187
13-34047-2	187
13-34047-3	187
13-34047-4	292
13-34056-1	177
13-34057-1	116
13-34089-2	157
13-34089-4	157
13-34367-1	159
13-34367-3	159
13-34368-1	5802
13-34368-2	5804
13-34369-1	106
13-34371-1	128
13-34372-1	190
13-34372-2	186
13-34372-3	186
13-34373-1	189
13-34373-2	187
13-34373-3	187
13-34374-1	181
13-34375-1	312
13-34375-2	312
13-34378-1	312
13-34378-2	312
13-34378-3	312
13-34381-1	199
13-34381-2	199
13-34684-1	181
13-34706-1	331
13-34707-1	332
13-34838-1	196
13-34839-1	197
13-34901-1	5814
13-34940-1	159
13-35059-1	712
13-35089-1	228A
13-35089-2	228A
13-35089-3	228A
13-35089-4	228A
13-35226-1	123AP
13-35257-1	157
13-35257-2	157
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14-2002-01	312
14-2007-00	705A
14-2007-00B	707
14-2007-01	707
14-2007-02	705A
14-2007-03	707
14-2007-04	705A
14-2008-01	708
14-2009-01	814A§
14-2010-01	713
14-2010-02	713
14-2011-01	779A
14-2012-01	801
14-2014-01	815
14-2052-23	172A
14-2053-23	172A
14-2054-01	731
14-2056-01	OBS-NLA
14-2058-01	747
14-32430	108
14-40325A	130
14-40363A	130
14-40369A	130
14-40421A	130
14-40464A	130
14-40465A	130
14-40466A	130
14-40471	130
14-40934-1	130
14-82518	966
14-4882466-813	116
14 514 66	506
14 514 74	506
14 514 75	116
14 515 28	5082A
14 515 29	151A
14 601 28	123A
14 601 29	123A
14 651 12	123A
14 801 12	123A
14 801 23	123A
14 805 12	123A
14 806 12	123A
14 807 12	106
14 807 23	123A
14 808 12	159
14 809 23	123A
14 854 12	123A
14 857 12	159
14 857 32	129
14 861 12	106
14 862 32	123A
14 865 12	123A
14 866 32	123A
14 904 12	191
14 909 23	152
14 910 13	158
14 2010 02	172A
14 90412	191
14A	121
14A0	121
14A1	121
14A1-A82	121
14A2	121
14A3	121
14A4	121
14A5	121
14A6	121
14A7	121
14A8	121
14A8-1	160
14A8-1-12	160
14A9	121
14A10	121
14A10R	121
14A11	121
14A12	121
14A13	121
14A13P	121
14A14	121
14A14-7	121
14A14-7B	121
14A15	121
14A15L	121
14A16	121
14A16-5	121
14A17	121
14A17-1	121
14A18	121
14A19	121
14A19G	121
14A75K	2V075
14A95K	2V095
14A115K	2V115
14A130K	2V130
14A150K	2V150
14A250K	2V250
14A275K	2V275
14A300K	2V300
14A420K	2V420
14A480K	2V480
14A674(FORD)	1396
14B348-003	523/3306
14B348-1	523/3306
14B348-2	523/3306
14B348-3	523/3306
14B348-4	523/3306
14B348-5	523/3306
14D18L	2V010
14D22L	2V014
14D24L	2V015
14D27L	2V017
14D33K	2V020
14D39K	2V025
14D47K	2V030
14D56K	2V035
14D68K	2V040
14D82K	2V050
14D100K	2V060
14DK201	2V130
14DK220	2V014
14DK241	2V150
14DK270	2V017
14DK330	2V020
14DK391	2V250
14DK560	2V035
14DK820	2V050
14i4-180	175
14J2	116
14J2F	116
14L0035	2001
14LN033	1060
14LN034	1181
14LQ007	1003
14MW69	102A
14P2	116
14T4	5408
14Z6AF	5068A
14Z6F	5068A
15-0009-05	196
15-008-1	106
15-0035059-001	712
15-0035059-002	712
15-0041627-001	821
15-0041627-002	821
15-0041764-001	822
15-0041764-002	822
15-0043312-001	820
15-0043312-002	820
15-0043705-001	4011B
15-0045184-1	4024B
15-0045300-001	712
15-0045693-001	848§
15-0077551-03X	4069
15-01742	159
15-01913-00	159
15-01999	123A
15-02155	128
15-02757-00	199
15-02762-00	159
15-02762-1	159
15-02762-2	159
15-02979	159
15-03014-00	123A
15-03051-00	107
15-03068	130
15-03069-00	284
15-03099	159
15-03100	123A
15-03409-0	159
15-03409-02	159
15-03409-1	159
15-05302	123A
15-05369	123A
15-05415	218
15-05650	123A
15-08800U	108
15-09090-01	159
15-09338	123A
15-09587	199
15-09650	128
15-09980	123A
15-082019	123A
15-085002	109
15-085003	109
15-085004	113A
15-085005	177
15-085006	116
15-085007	116
15-085008	177
15-085008(Midland)	506
15-085009	109
15-085018	112
15-085027	109
15-085032	109
15-085033	125
15-085037	109
15-085038	113A
15-085039	113A
15-085040	116
15-085041	125
15-085043	116
15-085047	113A
15-085061	109
15-088002	159
15-088002A	159
15-088003	107
15-088004	108
15-1	123A
15-2	123A
15-3	159
15-4	159
15-5	159
15-6R52	720
15-19CC19	5100A
15-20A70	110MP
15-20A90	110MP
15-20A-90M	109
15-23E06	747
15-30	159
15-40	159
15-50	159
15-166N	107
15-875-075-001	159
15-875-075-003	123A
15-1002-1	809
15-1231-4	503
15-2609-1	809
15-3184-1	801
15-3352-1	820
15-3793	797
15-3795	740A
15-7142C-1	722
15-10062-0	128
15-14471-1	1085
15-14471-4	828
15-14471-5	722
15-14471-6	743
15-14471-7	824
15-14471-8	824
15-14471-9	788
15-14471-11	1003
15-14471-12	1470
15-14471-13	801
15-14471-14	824
15-14471-15	1512
15-14471-16	1397
15-14471-17	2004
15-14471-18	788
15-14471-21	1387
15-14471-22	1226
15-14471-24	1245
15-14471-26	778A
15-14471-28	1386
15-14504-1	794
15-26587	703
15-26587-1	703
15-31015-1	1022
15-31015-7	712
15-31015-8	615A
15-31015-9	1115A
15-31015-10	712
15-31015-12	712
15-33201	712
15-33201-1	712
15-33201-2	712
15-34005-1	727
15-34048-1	708
15-34048-2	708
15-34049	722
15-34049-1	722
15-34049-3	722
15-34202-1	727
15-34379-1	720
15-34379-2	720
15-34379-3	720
15-34379-4	720
15-34401-1	763§
15-34408-2	708
15-34452	709
15-34452-1	709
15-34502-1	778A
15-34502-2	778A
15-34502-3	778A
15-34503	722
15-34503-1	722
15-34503-2	722
15-34906-1	799
15-35059-1	712
15-35059-2	712
15-36446-1	743
15-36647-1	813
15-36994-1	788
15-36995-1	744
15-37534-1	794
15-37534-2	794
15-37700-1	792§
15-37701-02	793
15-37701-1	793
15-37701-2	793
15-37702-1	714
15-37703-1	715
15-37704-1	790
15-37833-1	909D
15-37833-2	909D
15-39060-1	747
15-39060-2	747
15-39061-1	795

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
15-39075-1	738
15-39207-1	808
15-39208-1	809
15-39209-1	791
15-39600-1	794
15-39600-2	794
15-39600-3	794
15-40140-1	966
15-40140-2	966
15-40183-1	801
15-41545-1	794
15-41545-2	794
15-41545-3	794
15-41627-1	821
15-41627-2	821
15-41764	822
15-41764-1	822
15-41764-2	822
15-41856-1	795
15-43098-1	819§
15-43251-1 *	747
15-43251-2	747
15-43312-1	820
15-43312-2	820
15-43312-3	820
15-43636	1231
15-43636-1	1231
15-43637-1	1289
15-43638-1	730
15-43703	738
15-43703-1	738
15-43704-1	4029B
15-43705-1	4011B
15-43706-1	4093B
15-45141-1	4011B
15-45184-1	4024B
15-45185-1	4016B
15-45186-1	987
15-45300	712
15-45300-1	712
15-45300-2	712
15-45693-1	848§
15-45693-2	848§
15-71420-1	722
15-75603-1	2060
15-81994-1	912
15-82268	923D
15-82268-1	923D
15-82310-1	1908
15-82310-2	977
15-82310-3	1902
15-82310-4	950
15-82596	4015B
15-86312-2	962
15-86312-3	964
15-86312-6	966
15-86312-7	968
15-86312-8	958
15-86312-10	972
15-100001	116
15-100002	116
15-100003	178MP
15-100004	116
15-108001	178MP
15-108002	113A
15-108003	116
15-108004	116
15-108005	116
15-108006	116
15-108007	120
15-108008	177
15-108008(Midland)	506
15-108009	113A
15-108010	116
15-108011	116
15-108012	118
15-108013	506
15-108014	120
15-108015	116(3)
15-108016	116
15-108017	118
15-108020	116
15-108021	116
15-108022	116
15-108025	177
15-108026	506
15-108030	502
15-108035	506
15-108036	116
15-108037	116
15-108038	120
15-108040	506
15-108041	506
15-108042	177
15-108043	506
15-108044	506
15-108045	502
15-108046	125
15-108047	506
15-108048	506
15-108049	116
15-108050	116
15-123060	539
15-123065	152
15-123100	283
15-123101	177
15-123102	506
15-123103	506
15-123104	503
15-123105	116
15-123106	5015A
15-123142	5020A
15-123230	165
15-123231	503
15-123242	506
15-123243	125
15-123296	177
15-123297	506
15-123298	503
15-123299	116
15-123300	116
15-123301	138A
15-123302	186A
15-123303	187A
15-123425	116
15-123431	123AP
15-123433	5009A
15-123434	552
15-160007	5071A
15-377700-1	792
15-392007-1	808
15-505753-2	911
15-505753-3	911D
15-518430-133	829
15-714201	722
15-2221011	102A
15-3010926-01X	788
15-3010929-01X	743
15-3011135-01X	4011B
15-3011286-01X	987
15-3011297-01X	928M
15-3013896-01X	4013B
15-3015129-001	797
15-3015129-1	797
15-3015130-001	740A
15-3015130-1	740A
15-3015131-003	1374
15-3015131-004	1374
15-3015131-005	1376
15-3015131-006	1374
15-3015131-1	1374
15-3015131-2	1374
15-3015131-3	1374
15-3015131-4	1374
15-3015131-5	1376
15-3015131-6	1374
15-3015133-1	1380
15-3015133-2	1380
15-3015401-1	4081B
15-3015402-1	40161B
15-3015407-1	977
15-3015567	74LS247
15-3015567-1	74LS247
15-3015568	7406
15-3015568-1	7406
15-3015569-1	4001B
15-3015570-1	4098B
15-3015690-1	851
15-3015731-2	937M
15-3015732	960
15-3015732-001	960
15-3015732-1	960
15-3015734-001	1413
15-3015734-1	1413
15-3017045-001	1231A
15-3017045-002	1231A
15-3017045-1	1231A
15-3017045-2	1231A
15-3017119-001	852
15-3017119-002	852
15-3017119-1	852
15-3017119-2	852
15-3017275-001	4094B
15-3017275-1	4094B
15-3017770	973D
15-3017770-1	973D
15-3017772	859
15-3017772-1	859
15-3017775-001	965
15-3017775-1	965
15-3017815-1	865
15-3017816-2	866
15-3017817-1	2203
15-3019303-1	2201
15-3019538-1	2200
15-3025001-1	1608
15-3025003-1	1615
15-3025005-1	1612
15-3025006-1	1607
15-3025007-1	878
15-3025008-1	1609
15-3025009-1	1606
15-3025011-1	1610
15-3025013-1	1612
15-3025014-1	1604
15-3025016-1	1619
15-3025017-1	2207
15-3025018-1	1716
15-3025019-1	1587
15-3025021-1	1602
15-3025022-1	1751
15-3025023-1	2205
15-3025024-1	1717
15-3025025-1	1627
15-3025026-1	1620
15-3025027-1	2201
15-3025028-1	867
15-3025029-1	1688
15-3025031-1	1569
15-3025032-1	926S
15-3025033-1	1629
15-3025034-1	2200
15-3025035-1	649
15-3025036-1	1614§
15-3025037-1	1709
15-3025038-1	1719
15-3025039-1	866
15-3025041-1	863
15-3025043-1	1568
15-3025044-1	1319
15-3025045-1	863
15-3025046-1	1623
15-3025047-1	1706
15-3025048-1	869
15-3025049-1	1314
15-3025050-1	1625
15-3025051-1	1730
15-3025052-1	1704
15-3025053-1	1359
15-3025055-1	1702
15-3025056-1	1723
15-3025057-1	1611
15-3025058-1	1360
15-3025059-1	2204
15-3025061-1	872
15-3025063-1	2206
15-3025064-1	1671
15-3025065-1	1624
15-3025067-1	1553
15-3025068-1	1701
15-3025069-1	1614§
15-3025070-1	1714S
15-3025071-1	871
15-3025072-1	1703
15-3025073-1	1634
15-3025074-1	1635
15-3025075-1	1711
15-3025076-1	1597
15-3025077-1	1708
15-3025078-1	1357
15-3025079-1	1593
15-3025081-1	945
15-3025082-1	1689
15-3025083-1	1595
15-3025085-1	1707
15-3025086-1	865
15-3025087-1	1720
15-3025088-1	1583
15-3025089-1	1631
15-3025090-1	1700
15-3025091-1	2202
15-3025092-1	1358
15-3025093-1	1712
15-3025094-1	868
15-3025095-1	1630
15-3025096-1	1600
15-3025097-1	1628
15-3025098-1	2203
15-3025099-1	1585
15-3025100-1	1705
15-3025101-1	1565
15-3025102-1	1670
15-3025103-1	1591
15-3025104-1	1589
15-3025106-1	1715
15-3025107-1	870
15-3025108-1	1713
15-3025109-1	2062
15-3025110-1	1636
15-3025111-1	1626
15-3025114-1	1622
15-3025116-1	1714M
15-3025121-1	1718
15-3025124-1	1732
15-3025127-1	1736
15-3025129-1	1734
15-3025133-1	1737
15-3025134-1	1735
15-3025136-1	1733
15-5184320-133	829
15-22210111	102A
15-22210131	160
15-22210300	160
15-22210921	160
15-22211021	160
15-22211200	102A
15-22211328	102A
15-22211921	160
15-22214400	160
15-22214411	160
15-22214435	160
15-22214821	160
15-22214831	160
15-22216500	102A
15-22216600	160
15-22217400	160
15-22223720	123A
15B1(Zener)	5024A
15B2	116
15B2(Zener)	5024A
15B3(Zener)	5024A
15B4B41	5322♦
15B6	5806
15B8	5808
15B10	5809
15B181K	2V115
15B201K	2V130
15B241K	2V150
15B391K	2V250
15B820K	2V050
15B821K	524V48
15C05	5800
15C1	5801
15C2	5802
15C2D	5802
15C4	5804
15C6	5806
15C8	5808
15C10	5809
15D4B41	5322♦
15E6	5806
15E7	5808
15E8	5808
15E10	5809
15F6	5806
15F8	5808
15F10	5809
15G4B41	5324♦
15G101K	2V060
15G121K	2V075
15G151K	2V095
15G180K	2V010
15G181K	2V115
15G201K	2V130
15G220K	2V014
15G240K	2V015
15G241K	2V150
15G270K	2V017
15G330K	2V020
15G390K	2V025
15G391K	2V250
15G431K	2V275
15G470K	2V030
15G471K	2V300
15G560K	2V035
15G680K	2V040
15G681K	2V420
15G820K	2V050
15G821K	2V480
15H3P	5854
15H3PN	5855
15J2	116
15J2F	116
15J4B41	5326♦
15KR120A	6163
15M45(Zener)	5024A
15MQ20	6084
15MQ30	6084
15MQ40	6084
15N1	116
15N2(Power)	5874
15N3(Power)	5874
15P2	177
15P2(Power)	5874
15P3(Power)	5874
15Q3	5944
15S05	5800
15S1	5801
15S2	5802
15S4	5804
15S6	5806
15SB03S	6084
15SB04S	6084
15SE102	121
15SI-CA3064E	783
15SZ-RD24EB	5031A
15X364	123A
15X380	306
15X383	295
15Y(Zener)	5024A
15Z3	159
15Z6AF	5069A
15Z6F	5069A
15Z10B	5125A
16(IC)	1045
16-2	116
16-19(Symphonic)	129
16-20 (Symphonic)	128
16-736	108
16-3006	5015A
16-21426	161
16-45202	3007
16-45202-1	3007
16-3015419-1	3021
16-3015419-2	3023
16-3015812-1	3017
16-3017187-1	3022
16-3019323-1	3043♦
16-147191229	123A
16-171191368	123A
16-207190405	102A
16-501190016	125
16A(IC)	1045
16A1	103
16A1 (Fleetwood)	123A
16A2	103
16A2 (Fleetwood)	123A
16A545-7	123A
16A787	102
16A1938	123A
16AC3D1	5679
16AC3D1L	5679
16AC3D1R	5679
16AC3DI	5679
16AC3DIL	5679
16AC3DIR	5679
16AC3DRIR	5679
16AC4ADIL	5679
16AC4D1	5679
16AC4D1L	5679
16AC4D1R	5679
16AC4DI	5679
16AC4DIL	5679
16AC4DIR	5679
16ATCRJ	5509
16B-3A82	121MP
16B1063	123A
16C(IC)	1045
16C025B	5521
16C025C	5521
16C050B	5521
16C050C	5521
16C4	116
16C-4	116(4)
16C4B1P	166
16C-4P	166
16C10B	5522
16C10C	5522
16C15B	5524
16C15C	5524
16C20B	5524
16C20C	5524
16C25B	5527
16C25C	5527
16C30B	5527
16C30C	5527
16C35B	5527
16C35C	5527
16C40B	5527
16C40C	5527
16C45B	5529
16C45C	5529
16C50B	5529
16C50C	5529
16C60B	5529
16C60C	5529
16C70B	5531
16C70C	5531
16C80B	5531
16C80C	5531
16E1330(GE)	123A
16F5	5892
16F10	5896
16F15	5896
16F20	5896
16F30	5900
16F40	5900
16F50	5904
16F60	5904
16F80	5928
16F100	5910
16FR5	5893
16FR10	5897
16FR20	5897
16FR40	5901
16FR60	5905
16FR80	5909
16FR100	5911
16G2	123A
16G5	116
16G27	312
16G28	177
16G28A	177
16GN	107
16J1	108
16J2	108
16J2(Diode)	116
16J2F	116
16K1	108
16K2	108
16K3	108
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16P3367	172A
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16X(Zener)	5025A
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16X2	123A
16X10	116
16X39	177
16Z4	142A
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16Z6A	135A
16Z6AF	135A
16Z6F	135A
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17-10	116
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17-451	123A
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17-1179-051	1006
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17-12097-1	910
17A4422-1	121
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17Z6AF	136A
17Z6F	136A
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18-198-2	124
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18-3539-1	128
18-40831T01	5313
18A(Zener)	5027A
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18A8-1-12	160
18A8-1-127	160
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18A8-1L8	160
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18DB10A-C	170
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18J2F	125
18P2	116
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19-3416	158
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19A115140-P2	160
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19A115145-P4	116
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19A115178-P2	159
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19A115268	121
19A115281-P1	102
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19A115300-2	128
19A115300-P1	186
19A115300-P2	186
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19A115300-P3	186
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19A115301-P2	100
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19A115315-P2	123A
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19A115322-P1	112
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20A250K	524V25
20A275K	524V27
20A300K	524V30
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20A480K	524V48
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20B2M	703
20B3AH	703
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20C9	5808
20C10	5808
20C71	102A
20C72	102A
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20CTQ045	6087
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20DK201	524V13
20DK241	524V15
20DK391	524V25
20DL2C41	6246#
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20FQ035	6084
20FQ040	6084
20FQ045	6084
20FR5	5913
20FR10	5917
20FR20	5917
20FR30	5921
20FR40	5921
20FR50	5925
20FR60	5925
20FR80	5929
20FR100	5933
20GG2C11	6208
20H	116
20H3	5874
20H3P	5854
20H3PN	5855
20HA3	5994
20HR3N	5819
20HR3P	5818
20J2	5874
20J3P	5874
20JG2C11	6210
20JH3	6026
20-JLM	159
20K	116
20M	116
20M10	6022
20M20	6026
20M30	6034
20M40	6034
20M50	6040
20M60	6040
20M80	6042
20M100	6044
20MA10	6023
20MA20	6027
20MA30	6035
20MA40	6035
20MA60	6041
20MA80	6043
20MA100	6045
20MC	160
20N1	116
20N2	5874
20N3	5874
20P1S	5542
20P1SG	5542
20P2	5874
20P2S	5543
20P2SG	5543
20P3	5874
20P3S	5545
20P3SG	5545
20P4S	5545
20P4SG	5545
20P5S	5547
20P5SG	5547
20P6S	5547
20P6SG	5547
20P8SG	5548
20Q3	5897
20R2	5980
20R3	312
20S3	5990
20S4	5990
20S5	5834
20SI-TA7607-AP	1545
20SI-TA7607AP	1545
20TB1	5542
20TB2	5543
20TB3	5545
20TB4	5545
20TB5	5547
20TB6	5547
20V-HG	102A
20Y(Zener)	5029A
20Z6AF	138A
20Z6F	138A
21-0101	192
21-1	123A
21-1AA(Magnavox)	6402
21-1L	123A
21/3	114
21/3.92	114
21-28	121
21-32	126A
21-33	126A
21-34	102
21-35	124
21-36	102
21-37	102
21-606-0001	177
21-606-0001-00H	177
21-608-4148-006	519
21-609-3595-009	177
21-810	116
21-810-2	116
21A001-000	116(3)
21A002	113A
21A002-000	113A
21A004-000	506
21A005	120
21A005-000	102A
21A006-000	116
21A007-000	116
21A008-000	116
21A008-001	116
21A008-003	116
21A008-008	177
21A008-016	120
21A009	177
21A009-000	109
21A009-002	110MP
21A009-008	177
21A009-009	177
21A015-001	102A
21A015-002	155
21A015-003	131
21A015-004	108
21A015-005	103A
21A015-006	102A
21A015-008	159
21A015-008A	159
21A015-009	159
21A015-009A	159
21A015-011	159
21A015-011A	159
21A015-012	159
21A015-012A	159
21A015-013	123A
21A015-014	108
21A015-016	108
21A015-018	128
21A015-019	128
21A015-020	123A
21A015-021	155
21A015-022	131
21A015-025	159
21A015-026	128
21A015-027	123A
21A020-001	116
21A020-005	109
21A020-006	116
21A037-001	5021A
21A037-003	142A
21A037-006	5100A
21A037-008	142A
21A037-009	5079A
21A037-012	5016A
21A037-016	5096A
21A037-017	5076A
21A037-018	143A
21A037-020	5074A
21A037-021	5098A
21A038-000	102A
21A039-000	102A
21A040-000	102A
21A040-001	109
21A040-003	108
21A040-004	108
21A040-005	102A
21A040-007	108
21A040-010	108
21A040-014	102A
21A040-015	5527
21A040-016	108
21A040-017	108
21A040-019	108
21A040-020	123A
21A040-021	102A
21A040-022	102A
21A040-023	107
21A040-024	107
21A040-025	107
21A040-031	126A
21A040-032	123A
21A040-033	123A
21A040-033A	123A
21A040-034	123A
21A040-035	176
21A040-036	158
21A040-037	123A
21A040-045	229
21A040-046	233
21A040-047	233
21A040-049	129
21A040-050	129
21A040-051	128
21A040-052	152
21A040-053	229
21A040-054	107
21A040-055	107
21A040-056	123A
21A040-057	102A
21A040-058	102A
21A040-059	159
21A040-060	158
21A040-061	158
21A040-063	107
21A040-064	199
21A040-065	85
21A040-066	199
21A040-067	199
21A040-068	1075A
21A040-077	123A
21A040-078	123A
21A040-079	102A
21A040-081	158
21A040-082	199
21A040-083	199
21A040-091	229
21A040-092	123A
21A040-36	102A
21A040-37	123A
21A040-44	116
21A040-54	229
21A045-000	160
21A048-000	160
21A049-000	160
21A050-000	160
21A050-001	160
21A050-004	108
21A051-000	100
21A053-000	102A
21A054-000	102A
21A055-000	102A
21A062-000	106
21A064-000	121
21A074-000	102A
21A079-000	116
21A097-000	121
21A2	113A
21A3	118
21A4	119
21A6	116
21A7	116
21A11-002	601
21A11-062	199
21A12-062	199
21A101-001	706
21A101-002	711
21A101-002(Blanker)	177
21A101-004	1047
21A101-005	1046
21A101-006	1089*
21A101-007	1048
21A101-008	1077
21A101-009	1076
21A101-010	1091*
21A101-011	1084
21A101-012	1086
21A101-013	1034
21A101-014	749
21A101-015	747
21A101-016	715
21A101-017	714
21A101-018	1050
21A101-1	706
21A101-2	711
21A102-001	116
21A102-002	170
21A103-006	110MP
21A103-007	116
21A103-010	109
21A103-011	109
21A103-012	125
21A103-013	125
21A103-015	125
21A103-016	110MP
21A103-017	109
21A103-018	116
21A103-019	109
21A103-021	116
21A103-022	109
21A103-044	116
21A103-045	5074A
21A103-046	109
21A103-048	110MP
21A103-049	138A
21A103-050	116
21A103-052	109
21A103-055	109
21A103-058	116
21A103-064	139A
21A103-065	177
21A103-070	116
21A103-104	125
21A105-001	108
21A105-004	128
21A105-006	128
21A108-001	177
21A108-002	139A
21A108-003	519
21A108-004	177
21A109-001	109

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
21A109-002	109
21A109-003	110MP
21A109-022	109
21A110-001	116
21A110-002	116
21A110-003	116
21A110-004	125
21A110-005	506
21A110-006	116
21A110-007	116
21A110-008	506
21A110-009	506
21A110-010	116
21A110-012	125
21A110-013	552
21A110-014	506
21A110-071	525
21A110-072	125
21A110-12	116
21A111-001	177
21A111-002	601
21A112-001	159
21A112-002	129
21A112-003	159
21A112-004	193
21A112-006	506
21A112-007	107
21A112-008	313
21A112-010	161
21A112-013	123A
21A112-015	123A
21A112-017	123A
21A112-018	123A
21A112-019	85
21A112-020	85
21A112-023	164
21A112-025	124
21A112-029	124
21A112-031	162
21A112-033	124
21A112-036	165
21A112-045	199
21A112-046	199
21A112-047	159
21A112-048	187
21A112-049	186
21A112-050	123A
21A112-058	199
21A112-062	85
21A112-063	85
21A112-065	159
21A112-070	198
21A112-071	198
21A112-074	194
21A112-075	159
21A112-084	229
21A112-085	123A
21A112-086	108
21A112-087	108
21A112-088	123A
21A112-089	123A
21A112-090	123A
21A112-091	123A
21A112-092	123A
21A112-093	159
21A112-094	153
21A112-095	152
21A112-096	124
21A112-098	198
21A112-099	198
21A112-100	159
21A112-101	123A
21A112-102	123A
21A112-103	165
21A112-104	123A
21A112-107	162
21A112-120	399
21A112-124	94
21A112-125	292
21A112-126	292
21A113-002	312
21A114-001	712
21A115-001	783
21A118-002	85
21A118-008	198
21A118-029	152
21A118-030	229
21A118-031	289A
21A118-032	294
21A118-033	297
21A118-034	283
21A118-047	199
21A118-049	152
21A118-063	375
21A118-089	290A
21A118-096	399
21A118-47	199
21A118-100	198
21A118-114	94
21A118-119	293
21A118-120	399
21A118-122	398
21A118-124	283
21A118-131	108
21A118-137	85
21A118-139	290A
21A118-140	85
21A118-152	85
21A118-153	157
21A118-157	289A
21A118-193	196
21A118-201	85
21A118-202	184
21A118-203	376
21A118-233	186
21A118-234	379
21A118-235	54
21A118-236	293
21A118-237	184♦
21A118-255	293
21A118-281	378
21A118-282	291
21A118-313	373
21A118-334	184
21A119-005	109
21A119-008	5022A
21A119-009	116
21A119-011	5071A
21A119-013	116
21A119-025	5024A
21A119-029	502
21A119-030	125
21A119-034	5021A
21A119-038	5018A
21A119-040	605A
21A119-041	136A
21A119-045	615A
21A119-046	116
21A119-049	5029A
21A119-064	5013A
21A119-068	506
21A119-073	5072A
21A119-074	5074A
21A119-075	116
21A119-077	125
21A119-078	552
21A119-079	552
21A119-080	519
21A119-084	519
21A119-102	5453
21A119-107	519
21A119-108	5010A
21A119-123	109
21A119-187	125
21A119-187(Damper)	506
21A119-189	116
21A119-190	552
21A120-001	749
21A120-002	1109
21A120-008	712
21A120-009	1258
21A120-016	7400
21A120-017	7408
21A120-018	74154
21A120-022	2001
21A120-044	1196
21A120-045	1257
21A120-046	4011B
21A120-049	1416
21A120-050	1406
21A120-051	1552
21A120-052	1552
21A120-065	712
21A120-066	1402
21A120-071	1133
21A120-074	1437
21A120-085	9402
21A120-099	1545
21A120-176	1411
21A120-178	1411
21A120-184	1464
21A120-185	1416
21A120-208	1246
21A120-263	4035B
21A120-289	1745
21A122-062	199
21A404-066	199
21A500	120
21A500-000	120
21A101014	749
21A110013	552
21A112065	159
21A112098	198
21A118047	199
21A118193	196
21A118202	184
21A118255	293
21A118282	291
21A118313	373
21A119025	5024A
21A119074	5074A
21A119077	125
21A120022	2001
21A120049	1416
21A120074	1437
21A120085	9402
21A120099	1545
21A120184	1464
21A120263	4035B
21-B1	718
21B1M	718
21B1Z	718
21B2Z	718
21B-14	116
21B-17	116
21DQ03	586
21DQ04	586
21F1SC	5983
21F2SC	5987
21F3SC	5989
21FQ030	6084
21FQ035	6084
21FQ040	6084
21FQ045	6084
21K60	109
21M006	126A
21M007	100
21M022	159
21M025	187
21M026	187
21M027	193
21M028	187
21M084	123A
21M085	123A
21M086	123A
21M087	199
21M091	199
21M093	229
21M094	107
21M095	199
21M096	199
21M099	229
21M37	199
21M60	123A
21M122	123A
21M123	123A
21M124	199
21M125	123A
21M137	199
21M138	199
21M139	123A
21M140	107
21M146	123A
21M149	123A
21M150	123A
21M151	107
21M152	107
21M153	107
21M154	107
21M160	199
21M161	199
21M170	199
21M174	199
21M178	107
21M179	107
21M180	186
21M181	186
21M182	107
21M183	186
21M184	186
21M185	128
21M186	123A
21M188	107
21M192	192
21M193	192
21M196	312
21M200	123A
21M205	123A
21M214	139A
21M224	312
21M248	116
21M283	116
21M286	186
21M288	109
21M288(Transistor)	123A
21M288(Diode)	109
21M289	110MP
21M302	116
21M307	139A
21M312	116
21M315	116
21M317	116
21M323	109
21M325	110MP
21M330	177
21M345	187
21M355	159
21M366	123A
21M367	186
21M369	186
21M386	116
21M386(pwr)	116
21M387	128
21M395	187
21M408	199
21M412	312
21M415	177
21M416	116
21M417	116
21M419	116
21M432	109
21M432(REG)	143A
21M433	116
21M434	116
21M435	116
21M436	116
21M437	116
21M443	187
21M446	199
21M448	128
21M455	128
21M459	193
21M465	185
21M466	184
21M469	116
21M476	108
21M481	108
21M485	1142
21M487	116
21M488	123A
21M493	140A
21M508	799
21M519	116
21M520	123A
21M532	1006
21M534	312
21M541	297
21M545	116
21M550	199
21M556	186
21M562	177
21M562(Diode)	177
21M562(Transistor)	123A
21M563	123A
21M568	110MP
21M577	229
21M578	123A
21M579	123A
21M581	159
21M582	1124
21M584	139A
21M585	139A
21M586	178MP
21M588	722
21M589	812
21M590	116
21M594	109
21M599	722
21M600	722
21M603	199
21M604	234
21M605	123A
21M606	192
21M623	199
21MO28	187
21R05S	5980
21R1S	5982
21R1SC	5982
21R2S	5986
21R2SC	5986
21R3S	5988
21R3SC	5988
21R4S	5990
21R5S	5992
21R6S	5994
21R8S	5998
21R10S	6002
21RC10	5522
21RC20	5524
21RC30	5527
21RC40	5527
21RC50	5529
21RC60	5529
21RC80	5531
21RECT-S1-1039(AU)	116
21SZ-RD13EB1	5022A
21Z6AF	5072A
21Z6F	5072A
22-0028	291
22-0029	241
22-0030	292
22-0031	292
22-001001	123A
22-001002	108
22-001003	108
22-001004	108
22-001005	108
22-001006	123A
22-001007	123A
22-001008	175
22-001009	175
22-001010	159
22-002001	131
22-002006	102
22-002007	102A
22-002008	131
22-002009	131
22-004003	109
22-004004	125
22-0107	123A
22-0141	128
22-0150	145A
22-0180	5077A
22-0220	5080A
22-0416	525
22-0723	923
22-1	107
22-1(Zener)	5030A
22-1-63	109
22-1-123	177
22-1-143	109
22-1-145	116
22-1-147	138A
22-1-151	613
22-1-152	138A
22-1-222	519
22-2070	116
22-3056	130
22-3440	396
22-3441	286
22-4136	997
22-4250	159
22-4303(SDG)	467
22-4558	778A
22-4888	397
22-5000	725
22-5184	287
22-7404	74C04
22A001-17	605A
22B1B	739
22C(IC)	1078§
22E89	176
22M1926	5327
22N3055	130MP
22R1A10	5542
22R1A20	5543
22R1A40	5545
22R1A60	5547
22R1A80	5548
22R2	5916
22R22	5986
22RC2	5541
22RC5	5541
22RC10	5542
22RC15	5543
22RC20	5543
22RC25	5545
22RC30	5545
22RC40	5545
22RC50	5547
22RC60	5547
22RIA10	5542
22RIA20	5543
22RIA40	5545
22RIA60	5547
22RIA80	5548
22SA876HB	159
22ST-2SA1015-O	290A
22ST-2SA1015-O	290A
22ST-2SD1177C	373
22T5	5030A
22Z1	1V014
22Z6AF	139A
22Z6F	139A
23	123A
23-0003	5802
23-0004	116
23-001R03A10	519
23-001R03AA10	519
23-0010	116
23-0013	613
23-0014	109
23-0015	110MP
23-0016	177
23-0017	601
23-0018	116
23-1	159
23-2	159
23-3	159
23-10	159
23-20	159
23-30	159
23-5006	102
23-5007	102
23-5009	179
23-5014	102A
23-5017	102A
23-5020	289A
23-5021	289A
23-5022	289A
23-5023	289A
23-5024	289A
23-5025	289A
23-5026	289A
23-5027	289A
23-5029	289A
23-5031	175
23-5032	131 + 155(CP)
23-5033	123A
23-5034	176
23-5034W/H.S.	158
23-5035	130
23-5037	427/128
23-5038	130
23-5039	128
23-5041	130
23-5042	121
23-5044	172A
23-5045	427/129
23-5048	103A + 158(CP)
23-5051	225
23-5052	123
23B201K	524V13
23B-210-025	121
23B-210-230-2	127
23B241K	524V15
23B391K	524V25
23B821K	524V48
23B114044	123A
23B114053	128
23B114054	128
23B-210067-001	358A
23B-210067-002	358A
23B210679-1	118
23BSC101	116
23C	1046
23C(IC)	1046
23C025B	5541
23C025C	5541
23C050B	5541
23C050C	5541
23C10B	5542
23C10C	5542
23C15B	5543
23C15C	5543
23C20B	5543
23C20C	5543
23C25B	5545
23C25C	5545
23C30B	5545
23C30C	5545
23C35B	5545
23C35C	5545
23C40B	5545
23C40C	5545
23C45B	5547
23C45C	5547
23C50B	5547
23C50C	5547
23C60B	5547
23C60C	5547
23E001-1	123A
23G201K	524V13
23G241K	524V15
23G391K	524V25
23G431K	524V27
23G471K	524V30
23G681K	524V42
23G821K	524V48
23J2	177
23-LLB	159
23-PT274-120	161
23-PT274-121	123A
23-PT274-122	159
23-PT274-123	161
23-PT274-125	177
23-PT275-121	161
23-PT275-122	108
23-PT275-124	112
23-PT283-122	161
23-PT283-124	161
23-PT283-125	177
23-PT284-122	160
23-PT284-123	160
23S1942	5328
23SD-1SS151	112
23SD-BAW62	519
23ST-2SA733Q(AU)E	290A
23ST-2SA733R(AU)E	290A
23ST-MPS9682J	159
23TB1	5542
23TB2	5543
23TB3	5545
23TB4	5545
23TB5	5547
23TB6	5547
23Z6AF	140A
23Z6F	140A
24(Sharp)	5082A
24-0009R	85
24-000451	123A
24-000452	128
24-000457	123A
24-000653-1	123A
24-0003714-1	123A
24-002	123A
24-0010B	85
24-0010C	85
24-0011R	199
24-0018R	85
24-0019R	85
24-0020R	294
24-001326	199
24-001327-1	123A
24-001354	199
24-198	116
24-602-25	123A
24-3564	108
24-28201	177
24A	123A
24A1	108
24-AWH	159
24B	123A
24B(Zener)	5031A
24B(ZENER)	5031A
24B1	123A
24B1AH	731
24B1B	731
24B1Z	731
24B2(Zener)	5031A
24B3Z	731
24B4(Zener)	5031A
24DIPIC	F1C024
24DP1	116
24E-001	177
24E-002	112
24E-002-C	112
24E-006	177
24E-022	112
24J2	177
24M125	199
24MW11	100
24MW15	102
24MW16	102
24MW27	102A
24MW28	102A
24MW29	102
24MW34	102A
24MW43	102
24MW44	160
24MW55	160
24MW59	160
24MW60	102
24MW61	126A
24MW69	102
24MW70	102
24MW74	126A
24MW77	100
24MW78	102
24MW83	102
24MW84	102
24MW87	109
24MW107	102
24MW111	102A
24MW115	102
24MW116	102
24MW119	123A
24MW122	110MP
24MW130	103
24MW132	102
24MW152	126A
24MW157	160
24MW175	117A
24MW178	102A
24MW179	102A
24MW185	102A
24MW187	102A
24MW192	166
24MW196	117A
24MW197	116
24MW199	109
24MW205	126A
24MW207	138A
24MW208	116(2)
24MW227	116(2)
24MW241	116(2)
24MW243	109
24MW244	110MP
24MW246	125
24MW256	158
24MW263	102
24MW267	116
24MW268	116
24MW269	116
24MW271	126A
24MW287	107
24MW303	126A
24MW331	139A
24MW333	123A
24MW351	160
24MW352	126A
24MW353	126A
24MW361	107
24MW368	126A
24MW370	102A
24MW372	123A
24MW384	102A
24MW441	102A
24MW454	123A
24MW458	123A
24MW460	123A
24MW461	123A
24MW535	107
24MW593	107
24MW594	107
24MW595	107
24MW596	107
24MW597	107
24MW598	102A
24MW599	102A
24MW600	102A
24MW601	102A
24MW602	125
24MW603	105
24MW605	125
24MW607	115
24MW608	102A
24MW609	123A
24MW613	102A
24MW614	102A
24MW615	102A
24MW618	131MP
24MW619	116
24MW653	107
24MW654	108
24MW655	123A
24MW656	107
24MW657	108
24MW658	123A
24MW659	123A
24MW660	128
24MW661	159
24MW662	152
24MW663	128
24MW665	110MP
24MW667	177
24MW669	116
24MW670	5073A
24MW671	116
24MW673	107
24MW674	128
24MW675	108
24MW676	123A
24MW677	128
24MW700	107
24MW714	128
24MW721	116
24MW723	312
24MW724	108
24MW725	108
24MW727	129
24MW736	312
24MW737	107
24MW738	107
24MW739	108
24MW740	123A
24MW741	158
24MW742	5071A
24MW743	140A
24MW744	177
24MW760	123A
24MW768	116
24MW771	109
24MW772	116
24MW773	123A
24MW774	123A
24MW775	123A
24MW776	123A
24MW777	102A
24MW778	152
24MW779	125
24MW780	102A
24MW781	102A
24MW782	102A
24MW783	158
24MW785	177(2)
24MW789	102A
24MW790	123A
24MW793	107
24MW795	123A
24MW796	123A
24MW797	123A
24MW799	102A
24MW801	123A
24MW805	107
24MW807	123A
24MW808	123A
24MW809	123A
24MW812	107
24MW813	107
24MW814	107
24MW815	107
24MW816	126A
24MW817	123A
24MW818	123A

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To Be Replaced	ECG Replacement
24MW819	158
24MW820	110MP
24MW823	123A
24MW824	102A
24MW825	177
24MW826	199
24MW827	108
24MW828	176
24MW829	125
24MW851	116
24MW852	108
24MW853	102A
24MW854	123A
24MW855	123A
24MW856	102A
24MW857	102A
24MW858	177
24MW860	109
24MW861	177
24MW862	116
24MW863	107
24MW864	125
24MW865	108
24MW867	116
24MW871	116
24MW874	123A
24MW892	102A
24MW893	102A
24MW894	177
24MW899	123A
24MW924	125
24MW953	107
24MW954	123A
24MW956	177
24MW957	161
24MW958	161
24MW961	123A
24MW964	199
24MW965	199
24MW967	109
24MW973	158
24MW974	117A
24MW975	117A
24MW976	159
24MW977	152
24MW978	184
24MW988	123A
24MW989	312
24MW990	199
24MW991	126A
24MW992	123A
24MW994	131
24MW995	116
24MW996	1021
24MW997	1024
24MW998	139A
24MW1022	199
24MW1023	123A
24MW1024	123A
24MW1025	199
24MW1028	1003
24MW1029	109
24MW1030	109
24MW1031	159
24MW1038	108
24MW1040	158
24MW1043	109
24MW1049	159
24MW1051	109
24MW1057	107
24MW1058	107
24MW1059	123A
24MW1060	199
24MW1061	159
24MW1065	140A
24MW1066	116
24MW1067	109
24MW1068	123A
24MW1069	123A
24MW1071	116
24MW1081	107
24MW1082	108
24MW1083	102A
24MW1084	102A
24MW1089	123A
24MW1092	109
24MW1096	123A
24MW1106	107
24MW1107	5069A
24MW1108	116
24MW1109	177
24MW1110	1032
24MW1113	116
24MW1115	102A
24MW1116	103A + 102A(CP)
24MW1118	156
24MW1120	123A
24MW1122	222
24MW1123	116
24MW1124	113A
24MW1125	140A
24MW1141	123A
24MW1143	184
24MW1144	116
24MW1146	116
24MW1147	123A
24MW1152	192
24MW1161	128
24MW1162	116
24MW 656	107
24R2	5990
24SD-1SV70	616
24ST-MPS9410AJ	128
24ST-MPS9700G	123AP
24T-002	108
24T-009	199
24T-011-001	161
24T-011-003	107
24T011-008	108
24T-011-008	108
24T-011-011	159
24T011-012	161
24T-011-013	229
24T-013-003	161
24T-013-005	108
24T-016	107
24T016	107
24T-016-001	108
24T-016-005	108
24T-016-010	107
24T-016-013	108
24T-016-015	108
24T-016-016	108
24T021	161
24T-026-001	312
24T013003	107
24T013005	107
24T016001	107
24T016005	107
24TB1	5522
24TB2	5524
24TB3	5527
24TB4	5527
24TB5	5529
24TB6	5529
24TB7	5531
24TB8	5531
24Z6AF	5074A
24Z6F	5074A
25-000453	159
25-000456-1	234
25-000462	159
25-0016	743
25-0060-4	123A
25-001328	106
25-5	116
25-7	125(4)
25-37833-2	909D
25-100015	108
25A	108
25A1	108
25A-1-0959B(Stern)	5016A
25A-1-1(Stern)	151A
25A-1-4004(Stern)	116
25A-1-4148(Stern)	519
25A-1-5275A(Stern)	5054A
25A2	123A
25A-2-1(Stern)	287
25A-2-2(Stern)	263
25A-2-3(Stern)	5411
25A-2-3440(Stern)	396
25A-2-3584(Stern)	384
25A-2-3904(Stern)	123AP
25A-2-4403(Stern)	159
25A-2-5060(Stern)	5400
25A-2-5401(Stern)	288
25A-6-2(Stern)	5313
25A-70-1(Stern)	916
25A-71-22(Stern)	435P22
25A-74LS00(Stern)	74LS00
25A480SSR	A25480
25A1262-005	108
25A1273-001	123A
25A1281-001	108
25A-74107N(Stern)	74107
25AC3S	5685
25AC3SL	5685
25AC3SR	5685
25AC5S	5687
25AC5SL	5687
25AC5SR	5687
25AC6S	5687
25AC6SL	5687
25AC6SR	5687
25AM624	108
25B	108
25B1	108
25B-1	108
25B1C	730
25B1T	730
25B2	229
25B2C	730
25B2T	730
25B378	102A
25C05	5980
25C05R	5981
25C10	5982
25C10R	5983
25C15	5986
25C15R	5987
25C20	5986
25C30	5988
25C30R	5991
25C40	5990
25C40R	5991
25C50	5992
25C50R	5993
25C60	5994
25C60R	5995
25C70R	5999
25C80	5998
25C80R	5999
25C90	6002
25C90R	6003
25C100	6002
25C100R	6003
25C206	108
25C960	400/128
25C960A	400/128
25CC13	5986
25CD13	5987
25CS58LGBM	123A
25D10	125
25F1431	3200
25F1465	3201
25F1466	3202
25F-B1F	167
25FC13	5990
25FD13	5991
25G5	6020
25G5R	6021
25G10	6022
25G10R	6023
25G20	6026
25G20R	6027
25G40	6034
25G40R	6035
25G60	6040
25G80	6042
25G100	6044
25GC12	6034
25H2	123A
25H5	6050
25H5A	6050
25H10	6050
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25H15	6054
25H15A	6054
25H20A	6054
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25H60A	6064
25H70	6068
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25H80	6068
25H80A	6068
25H90	6072
25H90A	6072
25H100	6072
25H100A	6072
25HB5	6020
25HB10	6022
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25HB20	6026
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25HBR5	6021
25HBR15	6027
25HBR20	6027
25HBR25	6035
25HBR30	6035
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25HBR40	6035
25HBR50	6041
25HBR60	6041
25J2	177
25JC12	6040
25K10	125
25LC12	6042
25LF11	5999
25-MEF	159
25MQ20	6094
25MQ25	6094
25MQ30	6094
25N15	145A
25N27	146A
25NC12	6044
25NF11	6003
25R	108
25T-002	107
25T1	102
25TB1	5542
25TB2	5543
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25TB4	5545
25TB5	5547
25TB6	5547
25TCRB	5521
25TCRC	5522
25TCRE	5524
25TCRG	5527
25TCRH	5527
25TCRI	5529
25TCRK	5531
25TCRL	5531
25TD240SSR	B25240T
25Z6	142A
25Z6A	142A
25Z6AF	142A
25Z6F	142A
26-16162-1	358
26-16162-2	358
26-16162-3	358
26-3017158-1	649
26-4701508	125
26D00505	116
26J2	177
26M1927	5655
26MW613	102A
26OP17703	199
26P031402	297
26P33108	164
26R2	5994
26R2S	5994
26ST-2SC383TM	85
26ST-JE9014C(EBC)	199
26T1	102
26TB1	5522
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26TB3	5527
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26TB5	5529
26TB6	5529
26TB7	5531
26TB8	5531
26Z6AF	143A
26Z6F	143A
27(Zenith)	5009A
27-226	113A
27A10446-101-11	9099
27A10489-101-11	199
27A10533	159
27C(IC)	1124
27C1(IC)	1124
27-C226	113A
27D127	198
27J2	177
27P1	109
27S3	74S474
27S12	74S570
27S13	74S571
27S18	74S188
27S19	74S288
27S20	74S387
27S21	74S287
27S28	74S473
27S29	74S472
27S30	74S475
27S32	74S572
27S33	74S573
27S180	74S479
27S181	74S478
27S185	74S454
27S-200-81	177
27S-200-82	5018A
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27S-200-85	1170
27S-200-86	1194
27S-200-87	85
27S-200-88	289A
27S-200-89	85
27ST-2SA673C	290A
27ST-2SD871	89
27ST-LM2682	123AP
27T401	100
27T402	100
27T403	102
27T404	102
27T405	102
27T406	121
27T407	105
27T408	101
27T409	123
27T410	103
27T411	123
27T412	126A
27X(Zener)	5033A
27Y(ZENER)	5033A
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27Z6AF	144A
27Z6F	144A
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28-7-01	116
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28-14-01	116
28-15-01	116
28-15-02	116
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28-22-10	116
28-22-11	156
28-22-12	116
28-22-13	506
28-22-14	116
28-22-15	116
28-22-16	156
28-22-17	116
28-22-18	156
28-22-19	119
28-22-20	156
28-22-21	116
28-22-22	506
28-23-01	118
28-24-01	119
28-25-01	116
28-26-01	120
28-29-01	116
28-31-00	513
28-31-01	505
28-32-0X	500A
28-33-01	538
28-33-02	538
28-35-01	522
28-65-01	116
28-819-172	107
28-254566-1	116
28 22 15	116
28 22 21	116
28 31 02	513
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28CPQ040	6090#
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28F2585	3202
28F2586	3201
28J2	116
28P1	109
28R2	5998
28R25	5998
28S-200-91	612
28S-200-92	177
28S-200-93	5018A
28S-200-95	1248◆
28S-200-96	1170
28S-200-97	1278
28S-200-98	451
28S-200-99	107
28S-200-100	85
28S-200-101	289A
28S-200-102	85
28S-910-101	611
28S-910-102	109
28S-910-103	5018A
28S-910-105	1226
28S-910-106	1087
28S-910-107	1155
28S-910-108	221
28S-910-109	107
28S-910-110	85
28S-910-111	289A
28S-910-112	85
28S-910-113	293
28ST-2SC1213C	289A
28ST-2SD467C	85
28ST-MPS9633C	123AP
28Z6	145A
28Z6A	145A
28Z6AF	145A
28Z6F	145A
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29A4	129
29B1	790
29B1B	790
29B1Z	790
29B17	790
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29C2(IC)	1089*
29C-2(IC)	1089*
29C3(IC)	1089*
29CZ	1089
29-HCL	159
29P1	134A
29S	138A
29ST-3SK80	455
29SZ-RD11EB2	5020A
29V008M01	100
29V0038H03	102
29V011H01	100
29V012H01	100
29V069C02	163A
29V12H01	102A
30-004-001	179
30-007-0	234
30-005072	390
30-030-0	297
30-090	184
30-1,001	107
30-1,002	123A
30-1,003	123A
30-1,004	229
30-1,007	152
30-1,008	1003
30-1,010	519
30-1,011	109
30-1,012	112
30-1,013	506
30-1,015	107
30-1,016	199
30-1,017	1140
30-1,018	7400
30-1,019	7473
30-1,021	5071A
30-1,022	109
30-1,023	312
30-1,025	229
30-103-406	5305
30-104-100	5305
30-112-000	160
30-8057-13	178MP
30-30718-07	294
30-3015419-2	3021
30-3017187-1	3022
30AS	116
30B(ZENER)	5035A
30B5	116
30BG11	6006
30BS	116
30C	116
30C(IC)	1049
30C20-33	181
30CB	116
30CTQ030	6087
30CTQ035	6087
30CTQ040	6087
30CTQ045	6087
30D1	156
30D2	125
30D4	156
30-D30-1	293
30DG11	6006
30F1	5838
30FG11	6008
30FH05	6006
30FH05S	6007
30FH1	6006
30FH1S	6007
30FH2	6006
30FH2S	6007
30FH3	6008
30FH3S	6009
30FH4	6008
30FH4S	6009
30FQ030	6084◆
30FQ035	6084◆
30FQ040	6084◆
30FQ045	6084◆
30GG11	6008
30H	116
30H3	5874
30H3P	5858
30H3PN	5859
30HB50	5340
30HB100	5340
30HB200	5340
30HB400	5342
30HB600	5342
30HB800	5344
30HR3N	5821
30HR3P	5820
30J2	5874
30J3P	5878
30JG11	6010
30JH3	6060
30K	116
30M	116
30MF5	6006
30MF10	6006
30MF15	6006
30MF20	6006
30N2	5874
30N3	5874
30P1	109
30P2	5874
30P3	5874
30Q3	5948
30R1	5801
30R3	5804
30R6	5806
30R8	156
30R10	156
30R25	6002
30RECT-S1-1044(AU)	116
30RECT-SI-1020	552
30RH05S	6006
30RH1S	6006
30RH2S	6006
30RH3S	6008
30RH4S	6008
30S05	5800
30S1	5801
30S2	5806
30S3	5804
30S4	5804
30S5	5806
30S6	5806
30S8	5808
30S10	5809
30SB02S	6094
30SB02SA	6094
30SB03S	6094
30SB03SA	6094
30SB04S	6094
30SB04SA	6094
30SB025S	6094
30SB025SA	6094
30SZ-HZ5C1	5010T1
30V-H6	102A
30V-HG	102A
30Y(ZENER)	5035A
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31-0002	160
31-0003	160
31-0004	160
31-0005	126A
31-0006	102A
31-0007	123A
31-0008	102A
31-0009	123A
31-002-0	85
31-0010	175
31-0012	199
31-0013	199
31-0015	160
31-0016	160
31-0017	158
31-0018	102A
31-0025	102A
31-0026	102A
31-0033	102A
31-0035	158
31-0039	109
31-0041	126A
31-0042	126A
31-0048	107
31-0049	107
31-0050	107
31-0051	108
31-0052	199
31-0053	102A
31-0054	107
31-0055	193
31-0065	126A
31-0066	186
31-0068	123A
31-0069	123A
31-0070	102A
31-0075	158
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31-0083	128
31-0084	123A
31-0085	123A
31-0097	108
31-0098	107
31-0099	199
31-011	177
31-020	HiDiv-1
31-021	HiDiv-2
31-025	102
31-025-0	85
31-027-0	199
31-027-1	85
31-058	123A
31-061-0	375
31-069-0	235
31-073-0	373
31-091-3	236
31-093	177
31-097-0	295
31-098-0	236
31-0100	199
31-0101	192
31-0102	193
31-0103	108
31-0104	123A
31-0105	158
31-0106	123A
31-0107	102A
31-0108	390
31-0115	123A
31-0116	123A
31-0123	126A
31-0124	126A
31-0132	126A
31-0134	126A
31-0135	126A
31-0139	126A
31-0141	160
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31-0189	102A
31-0190	126A
31-0191	126A
31-0192	121
31-0196	121
31-0205	102A
31-0206	107
31-0217	126A
31-0228	126A
31-0229	158
31-0230	123A
31-0239	123A
31-0240	121
31-0241	160
31-0241-1	160
31-0242	108
31-0243	108
31-0246	123A
31-0247	102
31-0253	100
31-1	123A
31-1N914	177
31-1N4001	116
31-16	123A
31-116-0	289A
31-194	125
31-195	116
31-1012	941M
31-2104733	160
31-21004900	160
31-21007744	160
31-21024033	160
31-21024044	160
31-21047111	160
31-21050611	160
31-21050622	160
31-22005400	102A
31A(IC)	1048
31-A14F	125
31C	1048
31C(IC)	1048
31C1(IC)	1048
31DQ03	586
31DQ04	586
31-MR750	5812
31R2	5986
31SI-UPC1360C	1520
31ST-2SA733Q	290A
31ST-2SA733R	290A
31ST-2SC1923-O	107
31Z6	5005A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
31Z6A	5005A
32-0000	109
32-0001	109
32-0002	109
32-0003	109
32-0004	109
32-0005	139A
32-0007	110MP
32-0008	109
32-005-0	123AP
32-006-0	253
32-0013	109
32-0022	177
32-0023	109
32-0025	5072A
32-0026	116
32-0029	109
32-0036	109
32-0037	116
32-0038	116
32-0039	110MP
32-0042	116
32-0045	116
32-0046	116
32-0047	116
32-0048	117A
32-0049	140A
32-0050	116
32-0057	177
32-0059	116
32-0060	116
32-0060-00-03	341
32-0061	116
32-0062	113A
32-0063	177
32-016-0	123AP
32-1N4764A	5096A
32-12066-10	160
32-13843-2	123A
32-16591	104MP
32-16599	121MP
32-18537	109
32-18539	110MP
32-20738	123A
32-20739	159
32-23555-1	704
32-23555-2	704
32-23555-3	704
32-23555-4	704
32-29778-1	500A
32-29778-2	500A
32-29778-3	500A
32-29778-4	500A
32-33057-1	500A
32-33057-2	522
32-33057-3	500A
32-33057-4	500A
32-33057-5	500A
32-33057-6	500A
32-33094-1	522
32-33094-2	522
32-33094-3	522
32-33094-4	522
32-33094-5	522
32-33094-6	522
32-35391-1	500A
32-35894-1	500A
32-35894-2	522
32-35894-3	522
32-35894-4	522
32-35894-5	500A
32-35894-6	522
32-35894-7	522
32-39091-1	523/3306
32-39091-2	523/3306
32-39091-3	526A
32-39091-4	523/3306
32-39091-5	523/3306
32-39091-6	523/3306
32-39091-7	526A
32-39091-8	526A
32-39091-9	523/3306
32-39704-1	522
32-39704-2	522
32-43737-1	556
32-107261-1	910
32-805483-1	910
32-805483-2	910
32-807071-1	911
32-807072-1	909
32C(IC)	1050
32E64	129
32-P6KE18	4926
32R2	5986
32ST-JE9018H	108
32SZ-HZ20-04	5029A
32SZ-HZ20-04(AU)	5029A
32Z6	134A
32Z6A	134A
33-0002	116
33-0006	116
33-001-0	453
33-002-0	453
33-005-0	312
33-007-0	312
33-0023	116
33-0024	116
33-0025	138A
33-0026	116
33-0029	116
33-0030	116
33-0031	116(3)
33-0039	105
33-00234-B	175
33-00243	124
33-00706A	123A
33-00742	129
33-016	159
33-022-0	312
33-032-0	222
33-048	128
33-050	175
33-052	130
33-070	123A
33-071	123A
33-084	123A
33-086	159
33-090	184
33-096	185
33-0706	123A
33-2N-3644	159
33-2N-3906	159
33-4-3	358
33-4-3A	358
33-7-3	358
33-8-3	358
33-1000-00	102
33-1001-00	102
33-1002-00	131MP
33-1004-00	121
33-1009-01	102A
33-1019-00	102A
33-1020-00	102A
33-1021-00	102A
33-1390-1	HiDiv-12
33-1390-2	HiDiv-12
33-1390-3	HiDiv-12
33-1390-4	HiDiv-12
33-1390-6	HiDiv-12
33-1390-8	HiDiv-12
33-1390-9	HiDiv-12
33-1390-10	HiDiv-12
33-1390-11	HiDiv-12
33-1407-1	524V15
33B2(Zener)	5036A
33C(Zener)	5036A
33C(ZENER)	5037A
33G59019	113A
33G59024	116
33G59113	119
33G59121	116
33G59122	116
33H50	108
33K59	312
33R	5082A
33R-09	139A
33RECT-SI-1066	552
33ST-2SC710D(BCE)	85
33ST-2SD748-01	87
33-TIP-32	292
33Y(Zener)	5036A
33Z1	1V020
33Z6	134A
33Z6A	134A
34-001-0	109
34-003-0	109
34-007-0	116
34-0012	358
34-0037-102	177
34-016-0	109
34-026-0	116
34-028-0	109
34-029-0	614
34-030-0	139A
34-032-0	519
34-033-0	177
34-036-0	519
34-2N-3055	130
34-2N3563	108
34-2N-3643	123A
34-2N3904	123AP
34-2N-3904	123AP
34-2N-4401	123AP
34-2N-5190	184
34-2N-6044	259
34-6	160
34-34-6015-43	123A
34-74LS109(Atari)	74LS109A
34-119	160
34-143-12	159
34-194	941M
34-220	160
34-221	160
34-298	160
34-1000	130
34-1000A	130
34-1001	219
34-1002	152
34-1003	153
34-1006	157
34-1007	234
34-1008	234
34-1009	199
34-1010	123A
34-1011	106
34-1013	159
34-1014	123AP
34-1017	194
34-1019	199
34-1022	159
34-1026	175
34-1027	218
34-1028	130
34-1028A	130
34-1029	219
34-1041	726
34-2001-1	109
34-3015-28	159
34-3015-46	107
34-3015-47	107
34-3015-49	107
34-5080-0021	109
34-5081-0035	519
34-5082-0012	116
34-5082-0059	5013A
34-5082-0077	5010A
34-5082-0086	5011A
34-5083-0027	611
34-5170-0011	107
34-5170-0066	107
34-5171-0016	234
34-5172-0011	123A
34-5172-0049	85
34-5182-0016	116
34-6000-3	160
34-6000-4	102A
34-6000-5	102A
34-6000-6	102A
34-6000-7	102A
34-6000-8	102A
34-6000-9	160
34-6000-10	160
34-6000-11	160
34-6000-12	160
34-6000-13	160
34-6000-14	160
34-6000-15	102A
34-6000-16	160
34-6000-17	160
34-6000-18	160
34-6000-19	160
34-6000-20	160
34-6000-25	160
34-6000-26	160
34-6000-27	102A
34-6000-28	102A
34-6000-29	102A
34-6000-30	102A
34-6000-31	102A
34-6000-32	102A
34-6000-33	102A
34-6000-34	102A
34-6000-58	160
34-6000-59	160
34-6000-60	160
34-6000-61	160
34-6000-62	160
34-6000-63	160
34-6000-64	123A
34-6000-65	160
34-6000-66	160
34-6000-67	160
34-6000-68	160
34-6000-69	123A
34-6000-70	123A
34-6000-71	123A
34-6000-72	233
34-6000-76	160
34-6000-77	160
34-6000-78	160
34-6000-79	160
34-6000-80	160
34-6000-81	160
34-6000-82	160
34-6000-83	102A
34-6000-84	102A
34-6000-85	102A
34-6001-1	104
34-6001-3	108
34-6001-5	123A
34-6001-6	108
34-6001-7	102A
34-6001-8	102A
34-6001-9	102A
34-6001-10	102A
34-6001-11	102A
34-6001-12	102A
34-6001-13	102A
34-6001-14	102A
34-6001-15	159
34-6001-16	102A
34-6001-17	102A
34-6001-18	102A
34-6001-19	102A
34-6001-20	102A
34-6001-21	102A
34-6001-22	102A
34-6001-23	102A
34-6001-26	102A
34-6001-28	158(2)
34-6001-29	102A
34-6001-30	102A
34-6001-31	102A
34-6001-33	102A
34-6001-34	123A
34-6001-41	102A
34-6001-42	102A
34-6001-43	102A
34-6001-44	102A
34-6001-47	102A
34-6001-48	123A
34-6001-49	123A
34-6001-50	128
34-6001-51	128
34-6001-51MR-12	128
34-6001-52	123A
34-6001-53	123A
34-6001-54	123A
34-6001-55	123A
34-6001-56	123A
34-6001-57	123A
34-6001-58	123A
34-6001-60	123A
34-6001-61	123A
34-6001-62	123A
34-6001-63	123A
34-6001-64	191
34-6001-65	154
34-6001-66	158
34-6001-69	123A
34-6001-70	123A
34-6001-71	123
34-6001-72	102A
34-6001-73	123A
34-6001-74	123A
34-6001-76	102A
34-6001-77	123A
34-6001-78	128
34-6001-79	121
34-6001-80	128
34-6001-82	128
34-6001-83	128
34-6001-84	103A
34-6001-85	128
34-6001-86	129
34-6002-1	175
34-6002-2	121
34-6002-3	121
34-6002-4	121
34-6002-5	121
34-6002-6	121
34-6002-7	121
34-6002-8	121
34-6002-9	121
34-6002-10	121
34-6002-11	121
34-6002-13	121
34-6002-14	121
34-6002-17	104
34-6002-18	104
34-6002-18A	104
34-6002-19	121
34-6002-20	104
34-6002-21	124
34-6002-22	104
34-6002-22A	104
34-6002-24	127
34-6002-26	124
34-6002-28	175
34-6002-29	175
34-6002-30	281
34-6002-31	127
34-6002-32	130
34-6002-32A	130
34-6002-33	179
34-6002-34	121
34-6002-35	181
34-6002-36	180
34-6002-37	181
34-6002-38	180
34-6002-41	186
34-6002-42	187
34-6002-43	196
34-6002-46	124
34-6002-47	182
34-6002-48	183
34-6002-49	127
34-6002-50	152
34-6002-52	152
34-6002-54	152
34-6002-56	152
34-6002-57	153
34-6002-58	163A
34-6002-59	165
34-6002-61	162
34-6002-62	124
34-6002-63	165
34-6002-64	165
34-6005-1	160
34-6005-2	175
34-6005-3	175
34-6007-1	123A
34-6007-2	123A
34-6007-3	123A
34-6008	102A
34-6009	102A
34-6010	129 + 128(CP)
34-6015-1	123A
34-6015-2	123A
34-6015-3	123A
34-6015-4	123A
34-6015-5	123A
34-6015-6	123A
34-6015-7	123A
34-6015-8	107
34-6015-9	123A
34-6015-10	123A
34-6015-11	123A
34-6015-12	123AP
34-6015-13	123A
34-6015-14	123A
34-6015-15	319P
34-6015-16	319P
34-6015-17	319P
34-6015-18	161
34-6015-19	319P
34-6015-20	161
34-6015-21	123A
34-6015-22	161
34-6015-23	128
34-6015-24	128
34-6015-25	128
34-6015-26	159
34-6015-27	229
34-6015-28	191
34-6015-29	319P
34-6015-30	128
34-6015-31	161
34-6015-32	160
34-6015-33	160
34-6015-34	160
34-6015-35	160
34-6015-36	160
34-6015-37	233
34-6015-38	233
34-6015-39	160
34-6015-40	160
34-6015-41	123A
34-6015-42	159
34-6015-42A	123A
34-6015-43A	123A
34-6015-44	123A
34-6015-44A	102A
34-6015-46	229
34-6015-47	229
34-6015-48	229
34-6015-49	108
34-6015-50	107
34-6015-51	128
34-6015-52	229
34-6015-54	123A
34-6015-59	154
34-6015-60	123A
34-6015-61	233
34-6015-62	233
34-6015-63	123A
34-6015-64	171
34-6015-80	123A
34-6016-2	123A
34-6016-3	123A
34-6016-4	123A
34-6016-7	123A
34-6016-8	123A
34-6016-11	102A
34-6016-12	129
34-6016-14	123A
34-6016-15	159
34-6016-15A	159
34-6016-16	123A
34-6016-17	108
34-6016-18	123A
34-6016-19	123A
34-6016-22	128
34-6016-23	129
34-6016-23A	129
34-6016-24	123A
34-6016-25	123A
34-6016-26	123A
34-6016-27	128
34-6016-28	160
34-6016-29	160
34-6016-30	128
34-6016-31	210
34-6016-32	159
34-6016-32A	129
34-6016-33	128
34-6016-41	194
34-6016-47	159
34-6016-49	123A
34-6016-49A	123A
34-6016-50	102A
34-6016-51	192
34-6016-53	210
34-6016-54	211
34-6016-56	194
34-6016-59(NPN)	192
34-6016-59(PNP)	193
34-6016-60	159
34-6016-62	210
34-6016-63	123A
34-6016-64	234
34-6016-65	187
34-6017-3	123AP
34-6018-2	312
34-8001-43	126A
34-8002-1	109
34-8002-2	109
34-8002-3	109
34-8002-4	109
34-8002-5	109
34-8002-6	109
34-8002-7	109
34-8003	116
34-8022-1	109
34-8022-2	109
34-8022-3	109
34-8022-4	109
34-8022-5	109
34-8022-6	109
34-8022-6(Philco)	110MP
34-8022-7	109
34-8022-77	109
34-8027	112
34-8028	358
34-8034	113A
34-8034-1	116
34-8034-2	116
34-8034-3	116
34-8034-4	116
34-8034-4(Crystal)	358
34-8034-7	113A
34-8036-1	116
34-8036-2	116
34-8036-3	116
34-8036-4	116
34-8037	113A
34-8037-1	113A
34-8037-2	113A
34-8037-3	113A
34-8037-4	113A
34-8040-2	116
34-8042-1	116
34-8042-2	116
34-8042-3	116
34-8043-4	358
34-8047-1	178MP
34-8048-1	116
34-8048-2	116
34-8048-5	116
34-8050-2	116
34-8050-7	116
34-8050-10	125
34-8050-14	116
34-8051	116
34-8053-2	118
34-8053-3	118
34-8053-4	118
34-8053-7	118
34-8054-1	116
34-8054-2	116
34-8054-4	116
34-8054-5	116
34-8054-6	116
34-8054-6(Philco)	136A
34-8054-7	116
34-8054-8	558
34-8054-10	116
34-8054-11	116
34-8054-12	116
34-8054-13	116
34-8054-14	116
34-8054-15	116
34-8054-16	558
34-8054-17	515
34-8054-18	116
34-8054-23	116
34-8054-24	558
34-8054-25	558
34-8054-27	116
34-8055-2	116(3)
34-8055-3	116
34-8056-1	119
34-8056-13(Philco)	178MP
34-8057-3	110MP
34-8057-4	5076A
34-8057-5	177
34-8057-6	177
34-8057-7	135A
34-8057-8	178MP
34-8057-9	138A
34-8057-9(Philco)	139A
34-8057-10	5071A
34-8057-11	116
34-8057-12	145A
34-8057-13	177(2)
34-8057-14	142A
34-8057-15	119
34-8057-16	138A
34-8057-18	116
34-8057-22	506
34-8057-23	109
34-8057-24	506
34-8057-25	109
34-8057-26	109
34-8057-27	138A
34-8057-27(Philco)	139A
34-8057-28	116
34-8057-29	109
34-8057-30	109
34-8057-31	5080A
34-8057-32	136A
34-8057-33	142A
34-8057-34	178MP
34-8057-37	135A
34-8057-38	147A
34-8057-40	177
34-8057-41	142A
34-8057-42	5014A
34-8057-43	5027A
34-8057-44	5029A
34-8057-45	116
34-8057-46	5144A
34-8057-47	5133A
34-8057-49	5014A
34-8057-52	109
34-8057-53	142A
34-8057-55	5007A
34-8058	120
34-8058-1	120
34-8058-2	120
34-8058-7	120
34-8059-1	230
34-8059-2	231
34-8059-6	5457
34-8059-7	5457
34-8061-1	502
34-8062-1	505
34-8062-4	504
34-9037-1	113A
34-601703	172A
34B12-01	116
34E31	108
34H31	108
34M14Z	144A
34M14Z5	144A
34M14Z10	144A
34-MPS-A06	287
34-MPS-A42	287
34-MPS-A92	288
34P1AA	159
34P4	177
34R2	5990
34ST-2N6558	171
34ST-MPS9418AT	192
34SZ-UZ-12B	5021A
34SZ-UZ12B	5021A
34Z14D5	144A
34Z14D10	144A
34Z140	144A
35(RCA)	159
35-001-0	177
35-003-001	116
35-004-0	140A
35-010-04	519
35-013-0	611
35-014-0	156
35-020-21	128
35-025-0	116
35-026-0	116
35-106	2V150
35-106-2	1V150
35-106-5	1V300
35-106-6	2V025
35-696	5415
35-724	5332
35-821	5406
35-822	5416
35-1000	125
35-1003	125
35-1004	116
35-1005	116
35-1006	5892
35-1008	5802
35-1014	177
35-1029	125
35-210631-01	5635
35-210631-02	5635
35-39306001	123A
35-39306002	123A
35-39306003	123A
35-ALD	159
35B611	167
35BL611	167
35C(ZENER)	5037A
35C05	5980
35C05R	5981
35C10	5982
35C10R	5983
35C15	5986
35C15R	5987
35C20	5986
35C20R	5987
35C30	5988
35C30R	5991
35C40	5990
35C40R	5991
35C50	5992
35C50R	5993
35C60	5994
35C60R	5995
35C70	5998
35C70(Rect.)	5998
35C70R	5999
35C80	5998
35C80R	5999
35C90	6002
35C90R	6003
35C100	6002
35C100R	6003
35F016	201
35H5	5980
35H10	5986
35H10R	5987
35H20	5986
35H30	5990
35H40	5990
35HR5	5981
35HR10	5987
35HR20	5987
35HR30	5991
35HR40	5991
35-MCR106-1	5411
35P1	102
35P2	102
35P2C	102
35P4	177
35SI-UPC574J	615A
35SI-UPC580C	1196
35SI-VPC574J	615A
35T1	102
35TCRB	5541
35TCRC	5542
35TCRE	5543
35TCRG	5545
35TCRH	5545
35TCRI	5547
35TCRJ	5547
35TCRK	5548
35TCRL	5548
35Z6	5009A
35Z6A	5009A
36(Sears)	160
36-0041	1142
36-0083	1140
36-1	107
36-6015-46	107
36-6016-59	193
36-6343	142A
36-10010-01	123AP
36D-32	177
36E004-1	109
36J003-1	102A
36P1	102
36P1C	102
36P1F	102
36P2F	102
36P3	102
36P3A	102
36P3C	102
36P4	102
36P4C	102
36P5	102
36P5C	102
36P6C	102A
36P7	102A

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To Be Replaced	ECG Replacement
36P7C	102A
36P7T	102A
36P8	102A
36P8C	102A
36R2	5994
36R2S	5994
36RA50	5572
36RA60	5572
36RA80	5574
36RA100	5574
36RA110	5574
36RA120	5574
36RC10	5570
36RC20	5570
36RC30	5572
36RC40	5572
36RC60	5572
36RC80	5574
36RC100	5574
36RC110	5574
36RC120	5574
36REH60	5572
36REH80	5574
36REH100	5574
36REH120	5574
36SI-CA3065E	712
36ST-2SB857C	55
36T1	102
36Z6	135A
36Z6A	135A
37-8-01	358
37-8-1	358
37-8T26	6880
37-8T28	6889
37-74H04(Atari)	74H04
37-74LS00(Atari)	74LS00
37-74LS02(Atari)	74LS02
37-74LS04(Atari)	74LS04
37-74LS08(Atari)	74LS08
37-74LS10(Atari)	74LS10
37-74LS11(Atari)	74LS11
37-74LS14(Atari)	74LS14
37-74LS20(Atari)	74LS20
37-74LS27(Atari)	74LS27
37-74LS32(Atari)	74LS32
37-74LS42(Atari)	74LS42
37-74LS74(Atari)	74LS74A
37-74LS83(Atari)	74LS83A
37-74LS86(Atari)	74LS86
37-74LS90(Atari)	74LS90
37-74LS107(Atari)	74LS107
37-74LS109	74LS109A
37-74LS139(Atari)	74LS139
37-74LS153(Atari)	74LS153
37-74LS157(Atari)	74LS157
37-74LS161(Atari)	74LS161A
37-74LS163A(Atari)	74LS163A
37-74LS164(Atari)	74LS164
37-74LS170(Atari)	74LS170
37-74LS174(Atari)	74LS174
37-74LS175(Atari)	74LS175
37-74LS191(Atari)	74LS191
37-74LS193(Atari)	74LS193
37-74LS195(Atari)	74LS195A
37-74LS244(Atari)	74LS244
37-74LS245	74LS245
37-74LS251	74LS251
37-74LS253(Atari)	74LS253
37-74LS257(Atari)	74LS257
37-74LS259(Atari)	74LS259
37-74LS273(Atari)	74LS273
37-74LS367(Atari)	74LS367
37-74LS373	74LS373
37-74LS374(Atari)	74LS374
37-74LS393	74LS393
37-74LS670(Atari)	74LS670
37-74S00(Atari)	74S00
37-74S02(Atari)	74S02
37-74S04(Atari)	74S04
37-74S08(Atari)	74S08
37-74S74(Atari)	74S74
37-74S157(Atari)	74S157
37-78L05(Atari)	977
37-193MP	199
37-210	5697
37-309K(Atari)	309K
37-347	859
37-555(Atari)	955M
37-556(Atari)	978
37-566(Atari)	994M
37-4011(Atari)	4011B
37-4016(Atari)	4016B
37-4066(Atari)	4066B
37-4514B(Atari)	4514B
37-7400(Atari)	7400
37-7402(Atari)	7402
37-7404(Atari)	7404
37-7406(Atari)	7406
37-7407(Atari)	7407
37-7408(Atari)	7408
37-7410(Atari)	7410
37-7411(Atari)	7411
37-7413(Atari)	7413
37-7414(Atari)	7414
37-7417(Atari)	7417
37-7420(Atari)	7420
37-7425(Atari)	7425
37-7427(Atari)	7427
37-7430(Atari)	7430
37-7432(Atari)	7432
37-7442(Atari)	7442
37-7448(Atari)	7448
37-7450(Atari)	7450
37-7474(Atari)	7474
37-7475(Atari)	7475
37-7483(Atari)	7483
37-7485(Atari)	7485
37-7486(Atari)	7486
37-7490(Atari)	7490
37-7492(Atari)	7492
37-7493(Atari)	7493A
37-7497(Atari)	7497
37-7805(Atari)	960
37-7812(Atari)	966
37-7815(Atari)	968
37-7905(Atari)	961
37-7912(Atari)	967
37-7915(Atari)	969
37-9314(Atari)	8314
37-9316(Atari)	74161
37-9321(Atari)	8321
37-9602(Atari)	9602
37-14011(Atari)	4011B
37-14514B(Atari)	4514B
37-14584B	40106B
37-19201	234
37-21401	199
37-74107	74107
37-74107(Atari)	74107
37-74109	74109
37-74109(Atari)	74109
37-74125	74125
37-74125(Atari)	74125
37-74151	74151
37-74151(Atari)	74151
37-74153	74153
37-74153(Atari)	74153
37-74154	74154
37-74154(Atari)	74154
37-74157	74157
37-74157(Atari)	74157
37-74160	74160
37-74160(Atari)	74160
37-74161	74161
37-74161(Atari)	74161
37-74163	74163
37-74163(Atari)	74163
37-74164(Atari)	74164
37-74165	74165
37-74165(Atari)	74165
37-74174	74174
37-74174(Atari)	74174
37-74175	74175
37-74175(Atari)	74175
37-74191	74191
37-74191(Atari)	74191
37-74192	74192
37-74192(Atari)	74192
37-74193	74193
37-74193(Atari)	74193
37A-700-95	801
37A-700-96	1052
37A-700-97	1155
37A-700-98	85
37A-700-99	289A
37A-700-100	85
37A-700-101	293
37C-200-81	177
37C-200-82	5018A
37C-200-84	1248◆
37C-200-85	1170
37C-200-86	1194
37C-200-87	85
37C-200-88	289A
37C-200-89	85
37C-500-121	85
37C-500-122	289A
37C-500-123	85
37C-500-124	293
37C-500-125	1234
37C-500-126	801
37C-500-127	1052
37C-500-128	1155
37C-800-81	177
37C-800-82	5018A
37C-800-83	116
37C-800-85	1248◆
37C-800-86	1170
37C-800-87	1293
37C-800-89	85
37C-800-90	289A
37C-800-91	85
37H01	5192A
37H02	5200A
37H03	5232A
37H04	5174AK
37H05	5175AK
37H06	5188A
37H07	5224A
37H08	5186A
37H09	5229A
37-LM305	1928
37-LM311	922
37-LM319	919D
37-LM323K	931
37-LM324	987
37-LM339	834
37-LM340T15	968
37-LM380N	740A
37-MC3340	829
37-MC14028	4028B
37-MC14050	4050B
37RA50	5577
37RA60	5577
37RA80	5579
37RA100	5579
37RA110	5579
37RA120	5579
37RC10	5575
37RC20	5575
37RC30	5577
37RC40	5577
37RC60	5577
37RC80	5579
37RC100	5579
37RC110	5579
37RC120	5579
37-RC4136	997
37REH60	5577
37REH80	5579
37REH100	5579
37REH120	5579
37SZ-BZ-120	142A
37SZ-RD10EB	5019A
37T1	126A
37-TDA2002A	1232
37-TLO82CP	858M
37Z6	136A
37Z6A	136A
38	116
38-99(Trans)	128P
38-8057-6	519
38-11016	502
38A64C	138A
38A4148-000	501B
38A4148-001	501B
38A5576-000	5314
38A5577-000	188
38A5578-000	189
38C-200-101	612
38C-200-102	5018A
38C-200-103	109
38C-200-104	116
38C-200-105	1234
38C-200-106	1226
38C-200-107	1194
38C-200-108	1052
38C-200-109	451
38C-200-110	107
38C-200-111	85
38C-200-112	85
38C-200-113	293
38C-200-114	289A
38C-200-115	85
38P1	121
38P1C	121
38R2	5998
38R2S	5998
38ST-2SC1855	229
38T1	102
38Z6	137A
38Z6A	137A
39(Sharp)	142A
39-02	116
39-033-2	988
39-047-1	829
39-059-0	1214
39-060-0	1260
39-060-1	1261
39-061-0	1192
39-077-0	834
39-4400-951	1277
39A9	102
39A69-2	177
39F3423	3200
39P1	121
39P1C	121
39R-26	146A
39SD-1N4148	519
39ST-2SD820	165
39ST-2SD898B	89
39SZ-RD12FB	142A
39T1	102
39Y(ZENER)	5007A
39Z1	1V025
39Z6	5014A
39Z6A	5014A
40-0068-2	128
40-031-0	746
40-035-0	4011B
40-065-19-001	9961
40-065-19-002	9963
40-065-19-003	9949
40-065-19-004	9937
40-065-19-005	9944
40-065-19-006	9932
40-065-19-007	9948
40-065-19-008	9933
40-065-19-012	74H40
40-065-19-013	9946
40-065-19-014	9097
40-065-19-016	7440
40-065-19-027	7475
40-065-19-029	7486
40-065-19-030	7495
40-0502	117A
40-09297	519
40-09437	234
40-09952	234
40-601	102
40-693-053	565
40-8700-124K	2417
40-8700-124S	2358
40-8700-144K	2419
40-8700-144S	2360
40-8800-124K	2416
40-8800-124S	2357
40-8800-144K	2418
40-8800-144S	2359
40-8801-395	2334
40-8801-491	2338
40-8802-570	10
40-8804-353	2306
40-8900-005	256
40-8900-012	2310
40-8900-023	2319
40-8900-048	2311
40-8900-508	2318
40-8900-806	2315
40-8900-829	2314
40-8900-922	2316
40-8900-932	2317
40-8901-065	2304
40-8901-090	2307
40-8901-092	2330
40-8901-229	214
40-8901-230	215
40-8901-302	2329
40-8901-309	2326
40-8901-321	2340
40-8901-327	2336
40-8901-398	2302
40-8903-042	2308
40-8903-153	2309
40-8903-281	2328
40-8903-293	2332
40-8904-343	2305
40-9000-293	1749
40-9000-295	1750
40-9000-296	1681
40-9006-321	5424
40-9100-012	6085
40-9100-016	6244
40-9100-234	590
40-9101-620	6240
40-9102-545	6087
40-9103-020	6246
40-9103-045	6090
40-9103-759	1729
40-9104-060	1753
40-11253	234
40-86513-3	123A
40-102430	124
40A50	5980
40A100	5982
40A150	5986
40A200	5986
40A240SSR	A40240
40A300	5988
40A400	5990
40A500	5992
40A600	5994
40AS	116
40B5	116
40BS	116
40C	116
40C025	5567
40C025B	5567
40C050	5567
40C050B	5567
40C2PW8V1SP	106
40C10	5567
40C10B	5567
40C15	5567
40C15B	5567
40C20	5567
40C20B	5567
40C25	5568
40C25B	5568
40C30	5568
40C30B	5568
40C35	5568
40C35B	5568
40C40	5568
40C40B	5568
40C45	5568
40C45B	5568
40C50	5568
40C50B	5568
40C60	5568
40C60B	5568
40C70	5569
40C70B	5569
40C80	5569
40C80B	5569
40C90	5569
40C90B	5569
40C100	5569
40C100B	5569
40C110	5569
40C110B	5569
40C120	5569
40C120B	5569
40CO25	5567
40CO25B	5567
40CO50	5567
40CO50B	5567
40D240SSR	B40240
40D480SSR	B40480
40D1547	160
40D6665A03	116
40H	116
40H3	5874
40H3P	5858
40H3PN	5859
40HF5	5980
40HF10	5982
40HF15	5986
40HF20	5986
40HF30	5988
40HF40	5990
40HF50	5992
40HF60	5994
40HF70	5998
40HF80	5998
40HF90	6002
40HF100	6002
40HFL5	6006
40HFL5S	6006
40HFL5S02	6006
40HFL5S05	6006
40HFL10	6006
40HFL10S	6006
40HFL10S02	6006
40HFL10S05	6006
40HFL20	6006
40HFL20S	6006
40HFL20S02	6006
40HFL20S05	6006
40HFL30	6008
40HFL30S	6008
40HFL30S02	6008
40HFL30S05	6008
40HFL40	6008
40HFL40S	6008
40HFL40S02	6008
40HFL40S05	6008
40HFL60	6010
40HFL60S	6010
40HFL60S02	6010
40HFL60S05	6010
40HFLR5	6007
40HFLR5S	6007
40HFLR5S02	6007
40HFLR5S05	6007
40HFLR10	6007
40HFLR10S	6007
40HFLR10S02	6007
40HFLR10S05	6007
40HFLR20	6007
40HFLR20S	6007
40HFLR20S02	6007
40HFLR20S05	6007
40HFLR30	6009
40HFLR30S	6009
40HFLR30S02	6009
40HFLR30S05	6009
40HFLR40	6009
40HFLR40S	6009
40HFLR40S02	6009
40HFLR40S05	6009
40HFLR60	6011
40HFLR60S	6011
40HFLR60S02	6011
40HFLR60S05	6011
40HFR5	5981
40HFR10	5983
40HFR15	5987
40HFR20	5987
40HFR30	5989
40HFR40	5991
40HFR50	5993
40HFR60	5995
40HFR70	5999
40HFR80	5999
40HFR90	6003
40HFR100	6003
40HR3N	5821
40HR3P	5820
40J2	116
40J3P	5878
40JH3	6060
40JH3R	6061
40JZ	116
40K	116
40KR	116
40M	116
40M4.3ASZ5	5241A
40MQ20	6094
40MQ25	6094
40MQ30	6094
40MQ40	6094
40N1	116
40NJ	116
40P1	102
40P2	102
40P2(Power)	5874
40P3	5874
40Q3	5920
40Q4	5900
40R2S	6002
40R3	5990
40RCS5	5567
40RCS10	5567
40RCS20	5567
40RCS30	5568
40RCS40	5568
40RCS50	5568
40RCS60	5568
40RCS70	5569
40RCS80	5569
40RCS90	5569
40RCS100	5569
40RCS110	5569
40RCS120	5569
40RECT-S1-1002(AU)	552
40S3	5990
40S5	5838
40SB02S	6094
40SB02SA	6094
40SB03S	6094
40SB03SA	6094
40SB04S	6094
40SB04SA	6094
40SI-MC1364P	783
40ST-2SC2371L	157
40Y3P	116
41-001	120
41-032	116(4)
41-0318	130
41-0318A	130
41-0499	123A
41-0500	129
41-0500A	129
41-0606	198
41-0609	198
41-0905	142A
41-0906	5066A
41-0909	175
41B581014	128
41B581144-P001	175
41C(IC)	1093
41C-402	1095
41C-407	1003
41C-409	1110§
41-J2	116
41N	161
41N1	108
41N2	108
41N2A	108
41N2AA	108
41N2B	108
41N2M	161
41N3	108
41SI-HA1128	712
41SI-LM3065N	712
41Z6	5016A
41Z6A	5016A
42-051	125
42-1	1112
42-2	1111§
42-9029-31B	199
42-9029-31L	199
42-9029-31M	123A
42-9029-31P	199
42-9029-31Q	199
42-9029-31R	123A
42-9029-31V	123A
42-9029-40C	123A
42-9029-40F	234
42-9029-40L	123A
42-9029-40T	128
42-9029-40U	129
42-9029-40W	234
42-9029-40X	159
42-9029-40Y	123A
42-9029-60A	123A
42-9029-60B	234
42-9029-60C	123A
42-9029-60D	199
42-9029-60Q	159
42-9029-60W	129
42-9029-70C	123A
42-9029-70D	159
42-9029-70E	159
42-9029-70F	123A
42-9029-70G	129
42-9029-70J	128
42-9029-70K	128
42-9029-70P	123A
42-9029-70Q	234
42-14027	116
42-16599	121
42-17143	102
42-17443	116
42-17443A	116
42-17444	123
42-18109	176
42-18111	123
42-18310	124
42-19642	128
42-19643	129
42-19644	123
42-19645	125
42-19670	123
42-19671	102A
42-19681	110MP
42-19682	160
42-19683	108
42-19792	160
42-19840	123A
42-19862	103A
42-19862A	158
42-19863	102A
42-19863A	102A
42-19864	102A
42-19864A	102A
42-19865	116
42-19917	143A
42-20222	102A
42-20738	123
42-20739	129
42-20960	175
42-20961	130
42-20961A	130
42-21232	129
42-21233	128
42-21234	123A
42-21362	110MP
42-21400	116
42-21401	161
42-21402	161
42-21403	126A
42-21404	103A
42-21405	158
42-21406	102A
42-21407	123
42-21408	116
42-21443	121MP
42-21866	116
42-22008	159
42-22008A	159
42-22009	172A
42-22158	123A
42-22532	107
42-22533	123A
42-22534	102A
42-22535	158
42-22537	109
42-22538	177
42-22539(Transistor)	106
42-22539(Diode)	109
42-22540	119
42-22755	109
42-22778	160
42-22779	160
42-22780	160
42-22781	160
42-22784	160
42-22785	108
42-22786	123A
42-22787	123A
42-22809	123A
42-22810	159
42-22810A	159
42-22811	123A
42-22812	123A
42-22834	121MP
42-22835	116
42-22847	123A
42-23348	123A
42-23349	123A
42-23350	116
42-23350A	116
42-23459	152
42-23541	159
42-23541A	159
42-23542	123A
42-23622	102A
42-23960	107
42-23960P	107
42-23961	107
42-23961P	107
42-23962	107
42-23962P	107
42-23963	107
42-23963P	107
42-23964	123A
42-23964P	123A
42-23965	126A
42-23965P	160
42-23966	123A
42-23966P	123A
42-23967	158
42-23967P	158
42-23968	121
42-23968P	121
42-23969	109
42-23972	110MP
42-23975	116
42-23977	5809
42-24263	172A
42-24387	177
42-27202	116
42-27277	199
42-27278	116
42-27529	229
42-27530	229
42-27531	229
42-27532	229
42-27534	199
42-27535	199
42-27536	159
42-27537	289A
42-27538	153
42-27539	152
42-27541	142A
42-27542	601
42-27543	109
42-28056	123A
42-28057	158
42-28058	116
42-28199	109
42-28201	177
42-28202	116
42-28203	108
42-28204	108
42-28205	123A
42-28206	108
42-28207	123A
42-28208	159
42-28210	123A
42-28211	159
42-28212	184
42-28213	185
42-30092	199
42-84933E03	216
42A11	116
42A14	109
42A23	116
42B2	116
42B16	116
42J2	116
42R2	5874
42ST-2SD666C	382
42X25	116
42X32	116
42X210	103
42X230	102A
42X233	102
42X244	116
42X244B	116
42X245	116
42X245B	116
42X309	102
42X310	103
42X311	102
42Z6	139A
42-Z6A	139A
43-022861	108
43-023190	181
43-023212	123A
43-023221	123A
43-023222	129
43-023223	128

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
43-023843	130
43-023844	128
43-025763	108
43-025764	108
43-025765	108
43-025766	123A
43-025767	108
43-025834	131
43-0203845	129
43-540012	116
43A111449	160
43A113534	177
43A113446-1	519
43A113446-P1	519
43A114832-3	519
43A126932	128
43A128340-1	123A
43A128340-2	123A
43A128340-3	123A
43A128340-4	123A
43A128342-1	123A
43A128342-2	123A
43A128342-3	123A
43A128342-4	123A
43A128342-5	123A
43A128342-6	123A
43A128342-7	123A
43A144188-5	5675
43A145291-1	159
43A145291-2	159
43A162445P1	199
43A162455-1	128
43A165137P1	130
43A165137P3	130
43A165137P4	130
43A167207P1	159
43A167207P2	159
43A167229-01	177
43A167851	123A
43A167885-P1	181
43A167885-P2	181
43A167885-P3	181
43A167886P4	218
43A168016P1	123A
43A168064-1	159
43A168064P1	159
43A168135-1	9932
43A168135-2	9930
43A168135-3	9933
43A168135-4	9946
43A168135-6	9936
43A168135-7	9944
43A168135-8	9945
43A168135-9	9093
43A168135-10	9962
43A168440	912
43A168440-1	912
43A168481	941D
43A168481P1	941D
43A175989P1	519
43A176002	159
43A180002-P1	123A
43A180002-P2	123A
43A212040-1	909
43A212040-2	909D
43A212042P1	910
43A212042P2	910D
43A212042-P2	910D
43A212067	130
43A212090P1	199
43A223006P1	74H00
43A223007	7401
43A223008	74H01
43A223009	7402
43A223012	74H10
43A223015	7430
43A223017	74H40
43A223018	74H40
43A223025	7473
43A223026P1	7474
43A223028	7476
43A223029P1	7442
43A223030	7495
43A223031	7496
43A223033P1	7483
43A223034P1	7493A
43A223046-1	923
43A223060-1	128
43B140883-1	123A
43B168450-1	159
43B168495-1	159
43B168566-P1	159
43B168610	123A
43B168613-1	199
43C168567	123A
43C216408P1	74H00
43C216409P1	74H01
43C216410P1	74H04
43C216411P1	74H20
43C216414P1	74H51
43C216447	74193
43C216447P1	74193
43N3	123
43N6	123
43P1	100
43P2	102
43P3	100
43P4	102
43P4C	102
43P6	102
43P6A	102
43P6C	100
43P7	102
43P7A	102
43P7C	102
43ST-2SC535B	107
43ST-2SC1514-05	376
43ST-2SC1514-15	376
43SZ-RD6.2E	5013A
43SZ-YZ-063	5013A
43SZ-YZ063	5013A
43-VD-09	128
43X16A567	123
43Z6	140A
43Z6A	140A
44-13	126A
44-530	116
44-2020-07800	506
44-10143-01(Exidy)	7406
44-10146-01(Exidy)	968
44-10551-01(Exidy)	955M
44-10672-01	960
44-10673-01	968
44-10674-01	969
44-10682-01	74LS27
44-10684-01	74LS75
44-10685-01	74LS85
44-10686-01	74LS86
44-10687-01	74LS107
44-10688-01	74LS151
44-10691-01	74LS164
44-10692-01	74LS194A
44-10693-01	74LS257
44-10694-01	74LS259
44-10695-01	74LS298
44-10696-01	74LS377
44-10698-01	74S00
44-10699-01	74S02
44-10701-01	74S08
44-10702-01	74S10
44-10704-01	74S113
44-10705-01	74S158
44-10713-01	996
44-10715-01	861
44-10716-01	955M
44-10717-01	2041§
44-10718-01	857M
44-10913-01	994M
44-10952-01(Exidy)	7404
44-44886G01	289A
44-82999G03	5517
44A-1A5	121
44A319819-1	128
44A332168-001	941
44A332168-002	941
44A332169-002	941
44A333413	923
44A333463-001	123A
44A333464	159
44A333464-1	159
44A335854-001	912
44A353980-002	175
44A354637-001	175
44A355565-001	130
44A358624-003	129
44A359497-001	128
44A359497-002	128
44A390202-001	909
44A390202-003	909
44A390205	716
44A390243-001	175
44A390244-001	130
44A390247	123A
44A390248-001	159
44A390249	123A
44A390251	123A
44A390251-001	123A
44A390256-001	159
44A390261	159
44A390264-001	128
44A391505	129
44A391593-001	181
44A393605	941D
44A393611	923D
44A393611-001	923D
44A395909-1	181
44A395986-001	152
44A395992-001	128
44A395992-002	128
44A395994-001	123A
44A397905	159
44A-417014-001	181
44A417031-001	159
44A417032-001	152
44A417033-001	130
44A417034	192
44A417063-001	128
44A417716	130
44A417716-001	130
44A417756-1	197
44A417779-001	941M
44A418041-001	159
44A4417714	181
44A4417714-001	181
44A355565001	130
44B1	738
44B1B	738
44B1Z	738
44B238203-1	159
44B238208-001	175
44B238208-002	175
44B238246	159
44B311097	123A
44B238208002	175
44P1	160
44R2	5858
44R2R	5859
44ST-2SB568C	398
44ST-2SB649AC	374
44ST-CDG00	177
44SZ-WZ-063	5013A
44T-100-112	177
44T-100-113	116
44T-100-114	109
44T-100-116	140A
44T-100-117	136A
44T-100-119	1104
44T-100-120	1155
44T-100-121	229
44T-100-122	312
44T-100-123	199
44T-100-124	295
44T-100-125	235
44T-100-126	123AP
44T-100-127	107
44T-100-128	199
44T-100-129	295
44T-100-130	293
44T-300-91	614
44T-300-92	139A
44T-300-93	140A
44T-300-94	138A
44T-300-96	177
44T-300-97	109
44T-300-99	1104
44T-300-100	964
44t-300-101	829
44T-300-102	1155
44T-300-104	229
44T-300-105	312
44T-300-106	199
44T-300-107	295
44T-300-108	295
44T-300-109	235
44T-300-111	199
44T-300-112	199
44T-300-113	312
45A2FX355	116
45AN4AA	123A
45B1AH	804
45B1D	804
45B1Z	804
45B17	804
45M10	432/6154
45M20	432/6154
45M30	432/6154
45M40	432/6154
45M60	432/6156
45M80	432/6158
45M100	432/6158
45MA10	432/6155
45MA20	432/6155
45MA30	432/6155
45MA40	432/6155
45MA60	432/6157
45MA80	432/6159
45MA100	432/6159
45N1	103
45N2	103
45N2A	103A
45N2M	123A
45N3	123A
45N4	123A
45N4M	123A
45NP	108
45SD-W005M	5304
45ST-2SC454C	85
45ST-2SC1106	94
45SZ-RD5.1FB	135A
45X1A502C	102
45X1A520C	102A
45X2	100
46-06311-3	107
46-29-6	712
46-34-3	116
46-67-3	125
46-86-3	116
46-119-3	161
46-163-3	102A
46-423-2	290A
46-840-3	102A
46-861-3	112
46-862-3	160
46-864-3	108
46-865-3	160
46-865-7-3	552
46-866-3	160
46-867-3	154
46-868-3	160
46-869-3	102A
46-1340-3	711
46-1343-3	1003
46-1346-3	711
46-1347-3	710
46-1348-3	710
46-1352-3	707
46-1356-3	710
46-1357-3	1004
46-1361-3	712
46-1365-3	749
46-1366-3	748A
46-1369-3	1004
46-1370-3	1109
46-1382-3	1108
46-1383-3	1018
46-1384-3	712
46-1391-3	1230
46-1392-3	1010
46-1393-3	1130
46-1394-3	1131
46-1395-3	1134
46-1396-3	1128
46-1397-3	1132§
46-1398-3	1133
46-1399-3	OBS-NLA
46-5002-1	703
46-5002-2	703
46-5002-3	717
46-5002-4	703
46-5002-5	782§
46-5002-6	711
46-5002-7	703
46-5002-8	748A
46-5002-8B	748A
46-5002-9	718
46-5002-10	706
46-5002-11	790
46-5002-12	714
46-5002-13	715
46-5002-14	739
46-5002-15	712
46-5002-16	780
46-5002-17	746
46-5002-18	747
46-5002-19	779A
46-5002-20	923D
46-5002-21	782§
46-5002-23	740A
46-5002-26	712
46-5002-27	779A
46-5002-28	749
46-5002-30	799
46-5002-31	1062
46-5002-32	779A
46-5002-33	731
46-5290-0042	1465
46-6661-2	117A
46-8257-3	123A
46-8601-3	116
46-8610-3	102A
46-8611	102A
46-8611-3	102A
46-8611-4	116
46-8612-3	160
46-8613	112
46-8613-3	126A
46-8614-3	101
46-8615-3	121
46-8616-3	110MP
46-8617-3	121
46-8619	116(3)
46-8619-3	109
46-8620-3	506
46-8621-3	166
46-8622-3	127
46-8623-3	109
46-8624-3	123A
46-8625	112
46-8625-1	126A
46-8625-2	126A
46-8625-3	126A
46-8625-4	126A
46-8625-5	126A
46-8625-6	126A
46-8629	107
46-8631-3	102A
46-8634-3	121
46-8636-3	126A
46-8638-3	121
46-8643	112
46-8643-3	112
46-8644-3	109
46-8646	222
46-8646-3	109
46-8647	107
46-8647-3	116
46-8660-3	102A
46-8661-3	116
46-8664-3	102A
46-8665-3	102A
46-8666-3	102A
46-8668-3	102A
46-8671-3	103A
46-8672-3	161
46-8676-3	177
46-8677-2	108
46-8677-3	316
46-8679-1	102A
46-8679-2	102A
46-8679-3	102A
46-8680-1	102A
46-8680-2	102A
46-8680-3	102A
46-8681-1	102A
46-8681-2	102A
46-8681-3	158
46-8682-2	123A
46-8682-3	199
46-8687-3	116
46-8688-3	112
46-8689-3	116
46-8694-3	115
46-8695-3	123A
46-8697-3	116
46-13101-3	1080
46-13103-3	1094
46-13104-3	1121
46-13105-3	1122
46-13119-3	1159
46-13121-3	712
46-13124-3	738
46-13125-3	1183
46-13131-3	1009
46-13133-3	1200
46-13143-1	1196
46-13143-3	1196
46-13145-3	712
46-13148-3	1564
46-13149-3	1662
46-13152-3	1470
46-13153-3	1521
46-13154-3	568
46-13162-3	1598
46-13163-3	1268
46-13164-3	1588
46-13165-3	1601
46-13166-3	1599
46-13167-3	1594
46-13168-3	1592
46-13169-3	1584
46-13171-3	1596
46-13172-3	1263
46-13173-3	1087
46-13174-9	1586
46-13175-3	1605
46-13176-3	1454
46-13177-3	2060
46-13180-3	1216
46-13184-3	1186
46-13185-3	1187
46-13188-3	1545
46-13199-3	4069
46-13207-3	568
46-13208-3	1430
46-13216-3	1532
46-13223-3	1245
46-13225-3	1556
46-13226-3	966
46-13233-3	1590
46-13234-3	568
46-13237-3	1479
46-13238-3	1532
46-13239-3	1445
46-13247-3	834
46-13248-3	1441
46-13249-3	1484
46-13252-3	1635
46-13257-3	4081B
46-13258-3	4011B
46-13267-3	1430
46-13272-3	4001B
46-13273-3	1170
46-13279-3	928M
46-13296-3	4066B
46-13297-3	928M
46-13299-3	1582
46-13307-3	2077
46-13309-3	2084
46-13312-3	1414
46-13313-3	4013B
46-13319-3	4069
46-13322-3	1466
46-13327-3	1445
46-13338-3	1617
46-13339-3	1556
46-13341-3	1454
46-13345-3	778A
46-13351-3	1465
46-13352-3	1409
46-13356-3	1547
46-13379-3	1483
46-13383-3	1512
46-13392-3	1563
46-13393-3	1575
46-13404-3	778A
46-13406-3	1439
46-13411-3	1479
46-13413-3	1004
46-13414-3	1196
46-13428-3	1479
46-13446-3	1425
46-13448-3	1668
46-13452-3	1595
46-13455-3	74LS123
46-13461-3	1331
46-13462-3	1486
46-13463-3	1514
46-13466-3	1758
46-13484-3	1558
46-13487-3	4028B
46-13491-3	4520B
46-13495-3	943M
46-13502-3	2076
46-13504-3	1603
46-13514-3	1609
46-13527-3	1538
46-13528-3	1615
46-13537-3	834
46-13538-3	1471
46-13546-3	1553
46-13547-9	1656
46-13550-3	1440
46-13551-3	1410
46-13552-3	1299
46-13557-3	1469
46-13561-3	1236
46-13567-3	1608
46-13573-3	1745
46-13581-3	1658
46-13588-3	1548
46-13588-9	1548
46-13590-3	1576
46-13593-3	74LS74A
46-13604	1673
46-13604-3	1673
46-13605-3	4011B
46-13629-3	1591
46-13633-3	1600
46-13634-3	1554
46-13645-3	1657
46-13648-3	1515
46-13649-3	1746
46-13660-3	1679
46-13662-3	4053B
46-13679-3	987
46-13689-3	1716
46-13704-3	1538
46-13728-3	1386
46-13730-3	4052B
46-13732-3	1477
46-13755-3	1562
46-13763-3	1628
46-13769-3	1660
46-13771-3	1686
46-13775-3	1260
46-13776-3	1261
46-13796-3	1636
46-13815-3	1714S
46-13816-3	4071B
46-13830-3	1573
46-13839-3	1542
46-13840-3	1661
46-13842-3	1550
46-13911-3	1741♦
46-13912-3	1656♦
46-13922-3	1373
46-13925-3	40174B
46-13938-3	1673
46-13951-3	74LS05
46-13969-3	1685
46-13975-3	1558
46-13980-3	1679
46-13998-3	1459
46-16261	116
46-16261-3	116
46-24850-3	552
46-36682-3	85
46-37328-3	2302
46-41763C01	5072A
46-61249-3	116
46-61267-3	177
46-61307-3	177
46-67120A13	116
46-80309-3	177
46-81187-3	171
46-84120-3	108
46-85285-3	108
46-86101-3	107
46-86102-3	126A
46-86105-3	119
46-86106-3	506
46-86107-3	161
46-86108-3	161
46-86109-3	107
46-86110-3	107
46-86112-2	161
46-86112-3	319P
46-86113-3	161
46-86114-3	161
46-86115-3	103A
46-86116-3	117A
46-86117-3	161
46-86118-3	161
46-86119-3	161
46-86120-3	107
46-86121-3	123A
46-86122-3	123A
46-86123-3	160
46-86125-3	131
46-86126-3	107
46-86127-3	107
46-86130-3	286
46-86131-3	233
46-86132-3	289A
46-86133-3	107
46-86134-3	112
46-86135-3	131
46-86136-3	121
46-86138-3	119
46-86139-3	116
46-86140-3	108
46-86141-3	125
46-86143-3	123A
46-86144-3	123A
46-86145-3	123A
46-86146-3	125
46-86147-3	125
46-86148	125
46-86148-3	116
46-86149-3	116
46-86150-3	117A
46-86151-3	117A
46-86152-3	123A
46-86163-3	102A
46-86165-3	102A
46-86168-3	177
46-86169-3	123A
46-86170-3	159
46-86171-3	123A
46-86172-3	107
46-86173-3	154
46-86177-3	116
46-86178-3	178MP
46-86179-3	506
46-86180-3	118
46-86182-3	154
46-86183-3	154
46-86184	177
46-86184-3	177
46-86185-3	115
46-86186-3	177
46-86187-3	177
46-86189-3	175
46-86192-3	123A
46-86194-3	5073A
46-86195-3	102A
46-86196-3	158
46-86198-3	176
46-86199-3	116
46-86200-3	110MP
46-86201-3(Centering)	507
46-86201-3(Power)	116
46-86207-3	107
46-86208-3	108
46-86209-3	107
46-86210-3	154
46-86211-3	103A
46-86212-3	116
46-86213-3	121
46-86214-3	109
46-86220-3	113A
46-86224-3	161
46-86225-3	138A
46-86226-3	175
46-86227-3	502
46-86228-3	123A
46-86229-3	159
46-86229-3A	159
46-86230-3	159
46-86231-3	123A
46-86232-3	154
46-86233-3	128
46-86234-3	184
46-86235-3	185
46-86237-3	502
46-86238-3	159
46-86238-3A	159
46-86239-3	107
46-86240-3	108
46-86244-3	108
46-86247-2	123A
46-86247-3	123A
46-86249-3	612
46-86250-3	177
46-86251-3	107
46-86252-3	289A
46-86253-3	109
46-86254-3	178MP
46-86256-1	126A
46-86256-2	126A
46-86256-3	102A
46-86257-3	123A
46-86261-3	116
46-86262-3	108
46-86264-3	116(2)
46-86265-3	107
46-86266-3	109
46-86267-3	116
46-86268-3	123A
46-86269-3	108
46-86270-3	116(3)
46-86271-3	116
46-86274-3	123A
46-86279-3	502
46-86280-3	506
46-86281-3	506
46-86282-3	506
46-86283-3	159
46-86284-3	139A
46-86285-3	161
46-86286-3	112
46-86288-3	112
46-86289-3	614
46-86290-3	116(3)
46-86291-3	502
46-86292-3	504
46-86293-3	159
46-86294-3	505
46-86295-3	107
46-86296-3	143A
46-86299-3	107
46-86300-3	160
46-86301-3	107
46-86302-3	107
46-86303-3	116(2)
46-86304-3	114
46-86307-3	116
46-86308-3	506
46-86309-1	519
46-86309-3	519
46-86309-31	177
46-86310-3	123A
46-86312-3	113A
46-86313-3	503
46-86314-3	108
46-86314-3A	108
46-86316-3	459
46-86317-3	152
46-86318-3	154
46-86319-3	157
46-86320-3	506
46-86321-3	116
46-86322-3	116
46-86323-3	140A
46-86324-3	506
46-86326-3	116
46-86327-3	171
46-86328-3	506
46-86329-3	5077A
46-86330-3	501B
46-86331-3	506
46-86332-3	113A
46-86334-3	504
46-86335-3	152
46-86336-3	113A
46-86338-3	177
46-86339-3	116
46-86341-3	144A
46-86343-3	177
46-86344-3	171
46-86345-3	287
46-86346-3	171
46-86347-3	196
46-86348-3	152
46-86349-3	175

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To Be Replaced	ECG Replacement
46-86349-9	175
46-86350-3	175
46-86351-3	116
46-86352-3	107
46-86353-3	199
46-86354-3	107
46-86355-3	116
46-86357-3	108
46-86358-3	116
46-86360-3	186
46-86364-3	116
46-86365-3	116
46-86371-3	128
46-86373-3	102A
46-86374-3	152
46-86375-3	123A
46-86376-3	123A
46-86377-3	159
46-86378-3	123A
46-86379-3	142A
46-86380-3	178MP
46-86381	128
46-86381-3	128
46-86382-3	506
46-86383-3	116
46-86384-3	124
46-86386-3	124
46-86387-3	124
46-86388-3	130
46-86389-3	165
46-86390-3	164
46-86391-3	506
46-86392-3	5027A
46-86393-2	506
46-86393-3	506
46-86394-3	137A
46-86395-3	506
46-86396-3	221
46-86397-3	108
46-86399-3	159
46-86400-3	152
46-86401-3	144A
46-86402-3	116
46-86403-3	129
46-86404-3	123A
46-86405-3	128
46-86406-3	129
46-86407-3	123A
46-86408-3	123A
46-86409-3	123A
46-86411-3	185
46-86412-3	295
46-86415-3	165
46-86416-3	116
46-86419-3	123A
46-86420-3	116
46-86421-3	139A
46-86422-3	177
46-86424-3	159
46-86425-3	129
46-86426-3	128
46-86427-3	128
46-86428-3	177
46-86429-3	290A
46-86430-3	102A
46-86431-3	177
46-86432-3	5096A
46-86433-3	116
46-86434-3	199
46-86435-3	107
46-86436-3	177
46-86437-3	116
46-86438-3	116
46-86439-3	124
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46-86442-3	5072A
46-86444-3	513
46-86446-3	124
46-86446-9	124
46-86447-3	5083A
46-86451-3	504
46-86454-3	504
46-86455-3	162
46-86456-3	138A
46-86457-3	5013A
46-86458-3	5074A
46-86459-3	196
46-86460-3	5070A
46-86461-3	238
46-86461-9	382
46-86462-3	5074A
46-86463-3	116
46-86464-3	145A
46-86466-3	198
46-86467-3	5096A
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46-86474-3	615A
46-86475-3	162
46-86476-3	175
46-86476-9	175
46-86477-3	165
46-86481-3	177
46-86482-2	198
46-86482-3	198
46-86483-3	5072A
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46-86484-3	109
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46-86487-3	5074A
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46-86492-9	165
46-86493-3	162
46-86494-3	558
46-86496-3	175
46-86497-3	116
46-86499-3	552
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46-86501	137A
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46-86504-3	5074A
46-86505-3	198
46-86505-9	376
46-86506-3	198
46-86507-1	552
46-86507-3	552
46-86508-3	198
46-86509-3	198
46-86511-3	506
46-86511-3 (Tripler)	500A
46-86512-3	229
46-86513-2	199
46-86513-3	85
46-86513-4	199
46-86514-3	159
46-86515-3	153
46-86516-3	152
46-86517-3	129
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46-86523-2	142A
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46-86525-3	506
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46-86529-3	5081A
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46-86530-3	5143A
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46-86531-3 (Final IF)	233
46-86533-3	375
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46-86536-3	199
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46-86543-3	199
46-86545-3	289A
46-86546-3	193
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46-86551-3	290A
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46-86553-3	125
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46-86556-3	198
46-86556-3(ZENER)	5071A
46-86557-3	238
46-86558-3	156
46-86559-3	5012A
46-86560-3	525
46-86561-3	94
46-86561-9	94
46-86562-3	125
46-86563-3	238
46-86564-3	94
46-86565-3	290A
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46-86567-3	376
46-86569-3	5465
46-86571-3	6402
46-86572-3	289A
46-86573-3	288
46-86574-3	290A
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46-86578-3	290A
46-86579-3	85
46-86581-3	153
46-86582-3	5013A
46-86583-3	188
46-86584-3	189
46-86587-3	5021A
46-86589-3	289A
46-86590-3	94
46-86590-9	94
46-86591-3	399
46-86596-3	85
46-86600-3	290A
46-86614-3	382
46-86616-3	196
46-86618-3	552
46-86620-9	389
46-86621-3	369
46-86622-3	525
46-86627-3	5025A
46-86628-3	399
46-86629-3	274
46-86630-3	399
46-86636-3	290A
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46-86642-3	5009A
46-86646-3	375
46-86646-9	375
46-86647-3	399
46-86648-3	399
46-86648-3(ECB)	287
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46-86649-3	5019A
46-86654-3	5031A
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46-86681-9	89
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46-86683-3	5019A
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46-86705-3	613
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46-86724-3	382
46-86730-3	16◆
46-86734-3	125
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46-86743-3	89
46-86746-3	166
46-86748-3	398
46-86749-3	288
46-86751-3	399
46-86752-3	552
46-86753-3	89
46-86753-9	89
46-86754-3	390
46-86754-9	394#
46-86769-3	580
46-86770-3	152
46-86774-3	109
46-86781-3	5024A
46-86793-3	85
46-86794-3	5013A
46-86797-3	5014A
46-86803-3	294
46-86805-3	290A
46-86807-3(SGD)	459
46-86823-3	552
46-86831-3	107
46-86843-3	374
46-86849-9	241
46-86854-3	389
46-86860-3	253#
46-86863-3(SGD)	459
46-86870-3	85
46-86879-3	5008A
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46-86907-3	90
46-86908-3	234
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46-86910-3	185
46-86912-3	5011T1
46-86914-3	140A
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46-86916-3	5313◆
46-86921-3	5014A
46-86922-3	5020A
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46-86924-3	159
46-86925-3	5014A
46-86930-3	290A
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46-131237-3	1744
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46-131516-3	1902
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46-133011-3	1691
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46-133073-3	1228
46-133083-3	1377
46-133085-3	1561
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46-136284-P1	923
46-136284-P2	923D
46-156741P2	941D
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46-861010-3	379
46-861011-3	373
46-861012-3	374
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46-861015-3	148A
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46-861017-3	198
46-861018-3	198
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46-861031-3	398
46-861037-3	85◆
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46-861097-3	56
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46-861113.3	5011T1
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46-861264-3	165
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46-861272-3	157
46-861274-3	519
46-861281-3	135A
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46-861332-3	5012A
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46AR2	116
46AR3	116
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46AR5	116
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46AR7	116
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46AR12	116
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46BR63	125
46BR64	125
46BR68	125
46BX2	116
46BX3	116
46C(IC)	1077
46R2	5882
46R2R	5863
46R2S	5862
46SI-SAF1039P	1760
46ST-MPS9700F	123AP
47-2	112
47-2(Bradford)	108
47-4	112
47-96	229
47-3011(Exidy)	219
47-3041(Exidy)	130
47-86569-3	5463
47-155039	109
47A287-10	152
47C(IC)	1076
47P1	121
47Z1	1V030
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48-00155372(BCE)	85
48-00155400(BCE)	85
48-00155401	16
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48-00155403(BCE)	85
48-00355052	229
48-01	116
48-01-003	473
48-01-003B	473
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48-01-007	128
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48-01-017	107
48-01-027	161
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48-01-041	350
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48-01-048	479
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48-01-D84	320
48-03-002	159
48-03-041840-2	130
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48-03-05013702	128
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48-03-10744702	192
48-03-10744802	129
48-05-001	116
48-05-011	177
48-06-001	109
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48-03003A01	235
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48-03003A04	159
48-03003A05	123AP
48-03003A06	294
48-03003A07	123A
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48-36P3	102
48-39P1	121
48-39P3	102
48-43P3	102
48-43P4	102
48-45N2	199
48-56P1	100
48-57B2	121
48-57B42	121
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48-191A11	116
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48-971A04	108
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48-1005	116
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48-1050-SL12324	9946
48-1050-SL12325	9962
48-1050-SL12326	9093
48-1050-SL12327	9099
48-2000(Exidy)	7400
48-2005(Exidy)	7402
48-2011(Exidy)	74S04
48-2013(Exidy)	7406
48-2015(Exidy)	7407
48-2020(Exidy)	7408
48-2035(Exidy)	7420
48-2045(Exidy)	7427
48-2055(Exidy)	7432
48-2067(Exidy)	7474
48-2071(Exidy)	74LS112A
48-2079(Exidy)	8318
48-2080(Exidy)	74151
48-2090(Exidy)	74157
48-2095(Exidy)	74161
48-2100(Exidy)	74166
48-2115(Exidy)	74193
48-2210(4 PIN)	909D
48-2210(8 PIN)	975
48-2212(Exidy)	978
48-2215(Exidy)	978
48-2217(Exidy)	967
48-2221(Exidy)	829
48-2302(Exidy)	74LS04
48-2305(Exidy)	74LS74A
48-2307(Exidy)	74LS138
48-2308(Exidy)	74LS161A
48-2314(Exidy)	74LS374
48-2316(Exidy)	74LS21
48-2321(Exidy)	74LS139
48-2322(Exidy)	74LS153
48-2328(Exidy)	74LS241
48-2332(Exidy)	74LS11
48-2333(Exidy)	74LS174
48-2334(Exidy)	2114
48-2337(Exidy)	961
48-2338(Exidy)	966
48-2340(Exidy)	74LS14
48-2341(Exidy)	74LS86
48-2342(Exidy)	987
48-2350(Exidy)	74LS245
48-2503P01	611
48-3003A02	293
48-3003A03	107
48-3003A04	106
48-3003A05	123A
48-3003A06	159
48-3003A09	312
48-3003A10	222
48-3003A11	123A
48-3003A12	123A
48-4073P01	116
48-4285P01	235
48-4937	233
48-6502(Exidy)	6502
48-6712	113A
48-6712A02	178MP
48-6712A11	177
48-6720A02	177
48-8213H07	5224A
48-8213H08	5186A
48-8240C06	116
48-8240C07	519
48-8240C08	116
48-8240C09	177
48-8240C10	506
48-8240C11	519
48-8240C12	506
48-8240C13	177
48-8240C14	519
48-8240C15	177
48-8240C16	519
48-8240C17	519
48-8240C18	519
48-8369E62	179
48-8375D02	5455
48-8398E83	160
48-8401A02	154
48-8613	112
48-8613-3	126A
48-8619-3	109
48-9032A39	586
48-9042A79	116
48-9109(Exidy)	8080A
48-9112(Exidy)	990
48-10001-A01	116
48-10001-A03	116
48-10001-A030-1	116
48-10062A01	116

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
48-10062A01A	116
48-10062A02	116
48-10062A04	116
48-10062A05	116
48-10062A05A	116
48-10073A01	102A
48-10073A02	102
48-10074A01	102A
48-10074A02	102
48-10074A03	102A
48-10075A01	121MP
48-10075A02	121MP
48-10075A03	121MP
48-10075A04	121MP
48-10075A05	121MP
48-10075A06	121MP
48-10075A07	121MP
48-10075A08	121MP
48-10079A01	160
48-10079A02	160
48-10103A01	121MP
48-10103A02	121MP
48-10103A03	121MP
48-10103A04	121MP
48-10103A05	121MP
48-10103A07	121MP
48-10103A08	121MP
48-10103A09	121MP
48-10103A10	121MP
48-10346A02	507
48-10577A01	177
48-10577A02	177
48-10577A04	125
48-10577A11	178MP
48-10577A13	105
48-10577A13(Diode)	177
48-10641D62	137A
48-10813A01	5013A
48-12091A	181
48-12443	102A
48-13001A01	124
48-13309X3	152
48-13470	108
48-13481	123A
48-13707	220
48-14784J03	184
48-17162A06	102A
48-17162A10	158
48-17162A13	124
48-17162A17	102A
48-17162A22	102A
48-17271A03	102A
48-21598B01	102A
48-21785J61	311
48-22310K51	311
48-32000	142A
48-34816	177
48-37312	242
48-40004S04	108
48-40004S06	235
48-40004S07	123AP
48-40004S09	159
48-40004S11	152
48-40004S22	184
48-40059U06	5012A
48-40059U34	5020A
48-40118B01	159
48-40118B01A	159
48-40149P01	199
48-40170G01	85
48-40170-G01	199
48-40171G01	123A
48-40172G01	131
48-40212	128
48-40235G01	116
48-40235G02	552
48-40246-G01	199
48-40246G01	199
48-40246G02	123A
48-40247G02	199
48-40382J01	186
48-40383J01	187
48-40458A04	136A
48-40458A06	5072A
48-40458A064	5072A
48-40477U01	116
48-40531T01	555
48-40606J01	123A
48-40606J02	199
48-40607J01	199
48-40627U01	85
48-40627U02	85
48-40732P01	229
48-40732P02	107
48-40734P01	295
48-40738P01	177
48-40739P01	116
48-40764P01	235
48-40830T01	85
48-40832T01	5029A
48-40833T01	156
48-40887T01	280
48-41266G01	506
48-41349J02	199
48-41508A02	116
48-41763C01	139A
48-41763C02	5072A
48-41763C03	139A
48-41763C1	5072A
48-41768G01	109
48-41768G02	109
48-41784J03	184
48-41784J04	184
48-41785J03	185
48-41785J04	187A
48-41815J02	85
48-41816J01	85
48-41816J02	107
48-41816J03	229
48-41873J01	5072A
48-41873J02	139A
48-41873J03	140A
48-41884J03	184
48-42098B01	159
48-42098B01A	159
48-42182U01	199
48-42191G01	85
48-42191G03	85
48-42503P01	612
48-42884P01	295
48-42885P01	235
48-42899J01	177
48-43191G01	107
48-43238G01	290A
48-43238G02	159
48-43239G02	289A
48-43240G01	152
48-43240G02	152
48-43241G01	153
48-43241G02	153
48-43265G01	116
48-43351A01	102A
48-43351A02	107
48-43351A03	108
48-43351A04	108
48-43351A05	108
48-43354A81	123A
48-43354A82	123A
48-43354A83	158
48-43467J01	312
48-43991J01	108
48-43992J01	108
48-44080J01	601
48-44080J05	139A
48-44125A07	125
48-44160U01	85
48-44160U02	85
48-44211G01	295
48-44300A06	140A
48-44578J01	199
48-44580J01	229
48-44580J02	229
48-44883G01	152
48-44884G01	153
48-44884P01	85
48-44885G01	85
48-44885G02	123A
48-44885P01	290A
48-44886G01	289A
48-44886P01	454
48-44887G0	116
48-44887P01	85
48-44888P01	229
48-44889P01	107
48-44890P01	236♦
48-44891P01	236♦
48-44892P01	373
48-44895P01	289A
48-44897P01	519
48-44898P01	116
48-44899P01	177
48-44901P01	139A
48-44902P01	519
48-44905P01	1192
48-44976P01	616
48-45315G01	229
48-45315G03	229
48-45323G01	612
48-46669H01	177
48-57120A01	116
48-60022A13	123A
48-60022A14	175
48-60022A97	109
48-60022A98	116
48-60077A06	109
48-60154A01	110MP
48-61074B01	109
48-61767B01	109
48-62334A01	110MP
48-62334A02	109
48-63005A66	123A
48-63005A72	123A
48-63006A56	109
48-63026A45	124
48-63026A46	108
48-63026A47	123A
48-63026A48	123A
48-63029A16	160
48-63029A17	158
48-63029A18	102
48-63029A19	102
48-63029A20	109
48-63029A60	160
48-63029A90	126A
48-63029A91	102
48-63029A92	100
48-63029A93	102
48-63029A94	102
48-63044A05	102A
48-63075A72	160
48-63075A73	160
48-63075A74	126A
48-63075A75	160
48-63075A76	100
48-63075A78	109
48-63076A52	123A
48-63076A81	107
48-63076A82	107
48-63076A83	123A
48-63077A03	100
48-63077A10	123A
48-63077A11	109
48-63077A29	108
48-63077A30	123A
48-63077A31	123A
48-63077A32	109
48-63078A52	107
48-63078A54	107
48-63078A59	100
48-63078A60	100
48-63078A61	100
48-63078A62	158
48-63078A63	160
48-63078A64	100
48-63078A65	126A
48-63078A66	158
48-63078A68	158
48-63078A69	158
48-63078A70	123A
48-63078A71	123A
48-63078A86...103A + 102A(CP)	
48-63079A97	123A
48-63081A82	160
48-63082A15	100
48-63082A16	158
48-63082A24	126A
48-63082A25	123A
48-63082A26	123A
48-63082A27	123A
48-63082A45	123A
48-63082A71	123A
48-63084A03	102A
48-63084A04	102A
48-63084A05	102A
48-63084A06	109
48-63086A16	116
48-63086A19	158
48-63590A01	109
48-64169	116
48-64978A10	121MP
48-64978A11	121MP
48-64978A24	121MP
48-64978A27	160
48-64978A28	160
48-64978A29	160
48-64978A39	222
48-64978A40	159
48-64978A40A	159
48-64978A41	159
48-64978A41A	159
48-65108A23	102A(2)
48-65108A62	102A(2)
48-65112A65	108
48-65112A67	108
48-65112A68	161
48-65112A73	112
48-65113A84	112
48-65113A88	108
48-65118A64	108
48-65123A67	108
48-65123A94	123A
48-65123A95	108
48-65132A79	160
48-65144A72	108
48-65145A74	116
48-65146A61	161
48-65146A62	161
48-65146A63	161
48-65147A72	123A
48-65173A78	161
48-65174A24	161
48-65177A77	129
48-65177A77A	129
48-65831A02	115
48-65837A02	109
48-65937A02	109
48-66037A03	116
48-66037A04	116
48-66037A05	116
48-66037A08	116
48-66037A10	116
48-66037A12	116
48-66544A88	358
48-66629A02	116
48-66629A03	116
48-66629A05	116
48-66629A06	116
48-66653A001	116(3)
48-66653A002	116(3)
48-66653A003	118
48-66653A005	118
48-66653A02	120
48-66653APT001	120
48-66653APT003	118
48-66653APT015	118
48-66653APT0U1	120
48-66653APT1003	118
48-66654A02	116
48-66865A01	358
48-66865A02	358B
48-66865A03	358B
48-66865A04	358B
48-67020A11	109
48-67120A01	116
48-67120A02	177(2)
48-67120A03	177
48-67120A04	125
48-67120A05	125
48-67120A06	116
48-67120A07	116
48-67120A08	119
48-67120A09	109
48-67120A10	125
48-67120A11	177
48-67120A13	177
48-67120AB	177
48-67926A01	116
48-68688A79	116
48-68688A79B	116
48-69394A01	123A
48-69723A01	513
48-69723A02	513
48-69723AD2-185	513
48-69723B02	513
48-80311A82	143A
48-80313A46	507
48-82095C01	116
48-82095C02	116
48-82095C03	116
48-82095C64	116
48-82137H01	5192A
48-82137H02	5200A
48-82137H03	5232A
48-82137H04	5174AK
48-82137H05	5175AK
48-82137H06	5188A
48-82137H07	5224A
48-82137H09	5229A
48-82139G01	109
48-82139G02	109
48-82178A01	109
48-82178A02	109
48-82178A03	109
48-82178A04	109
48-82178A05	109
48-82178A06	109
48-82178A07	109
48-82178A08	109
48-82178A09	109
48-82178A10	109
48-82178A11	109
48-82178A12	109
48-82178A13	109
48-82190H09	614
48-82196B01	5806
48-82196D26	109
48-82256C01	5013A
48-82256C02	5014A
48-82256C05	5045A
48-82256C06	5074A
48-82256C07	5009A
48-82256C08	141A
48-82256C09	5016A
48-82256C10	144A
48-82256C11	5019A
48-82256C12	5011A
48-82256C13	5023A
48-82256C14	5024A
48-82256C15	5010A
48-82256C16	5016A
48-82256C17	5021A
48-82256C18	5018A
48-82256C19	5014A
48-82256C20	5033A
48-82256C22	139A
48-82256C23	5014A
48-82256C24	5027A
48-82256C25	5021A
48-82256C26	5005A
48-82256C27	151A
48-82256C28	140A
48-82256C29	5090A
48-82256C30	5096A
48-82256C31	5031A
48-82256C32	5019A
48-82256C33	5002A
48-82256C34	5020A
48-82256C35	135A
48-82256C36	5083A
48-82256C37	5071A
48-82256C38	5018A
48-82256C39	5079A
48-82256C40	140A
48-82256C42	5082A
48-82256C43	139A
48-82256C44	5015A
48-82256C45	5017A
48-82256C46	5067A
48-82256C47	5014A
48-82256C48	5022A
48-82256C49	5031A
48-82256C50	5022A
48-82256C51	135A
48-82256C53	5077A
48-82256C54	142A
48-82256C56	139A
48-82256C57	5079A
48-82256C58	5086A
48-82256C59	145A
48-82292A01	109
48-82292A02	109
48-82292A03	109
48-82292A04	109
48-82292A05	109
48-82358D38	101
48-82383B05	116
48-82392B01	177
48-82392B02	177
48-82392B03	177
48-82392B04	177
48-82392B05	177
48-82392B06	177
48-82392B07	177
48-82392B08	177
48-82392B09	177
48-82392B10	177
48-82392B11	177
48-82392B12	177
48-82392B13	177
48-82392B14	177
48-82392B15	177
48-82420C01	177
48-82420C02	177
48-82420C03	519
48-82420C04	519
48-82420C05	177
48-82464E01	5804
48-82466H	125
48-82466H01	116
48-82466H02	116
48-82466H03	116
48-82466H04	116
48-82466H06	116
48-82466H07	116
48-82466H12	506
48-82466H13	506
48-82466H14	506
48-82466H15	506
48-82466H16	506
48-82466H18	506
48-82466H19	506
48-82466H21	506
48-82466H25	506
48-82466H28	506
48-82525G03	5806
48-82533D03	5081A
48-82533D07	5090A
48-82541F30	159
48-82541F31	123A
48-82554F33	6401
48-82580B01	116
48-82732C04	5944
48-82751K01	121
48-82854F31	184
48-82965F	5635
48-83042A53	5089A
48-83042H29	5155A
48-83042H52	121
48-83114H70	123
48-83131C34	101
48-83131C35	102
48-83131C36	102A
48-83192A14	103
48-83192A42	101
48-83192A46	108
48-83192A48	108
48-83192A49	160
48-83192A50	108
48-83192A88	126A
48-83193A63	128
48-83193A75	179
48-83307B01	5485
48-83358H07	116
48-83461E01	5075A
48-83461E02	5022A
48-83461E03	5066A
48-83461E04	5093A
48-83461E06	5096A
48-83461E07	5075A
48-83461E08	147A
48-83461E09	5090A
48-83461E10	5010A
48-83461E11	5082A
48-83461E12	146A
48-83461E14	5096A
48-83461E15	5018A
48-83461E16	5095A
48-83461E17	5001A
48-83461E18	5027A
48-83461E19	5067A
48-83461E20	146A
48-83461E21	5129A
48-83461E22	5029A
48-83461E23	510
48-83461E24	5028A
48-83461E25	5014A
48-83461E26	5031A
48-83461E27	5012A
48-83461E28	5141A
48-83461E30	148A
48-83461E31	5022A
48-83461E32	5016A
48-83461E33	5027A
48-83461E34	5117A
48-83461E35	5137A
48-83461E36	137A
48-83461E37	5077A
48-83461E38	136A
48-83461E39	5135A
48-83461E40	5010A
48-83461E41	135A
48-83461E42	5071A
48-83461E44	5115A
48-83624E03	5075A
48-83624E20	5198A
48-83624E43	109
48-83624E64	116
48-83624E82	149A
48-83624E91	116
48-83697E22	5834
48-83697E23	5801
48-83697E33	5801
48-83698E10	121
48-83698E14	105
48-83698E18	123
48-83698E24	102
48-83698E26	100
48-83698E27	123
48-83698E28	128
48-83698E29	160
48-83698E30	160
48-83698E31	108
48-83698E32	108
48-83698E33	160
48-83698E34	159
48-83698E35	128
48-83698E41	100
48-83698E42	100
48-83698E43	102
48-83698E44	126A
48-83698E46	121
48-83698E47	121
48-83698E48	121
48-83698E50	102
48-83698E51	100
48-83698E52	102
48-83698E53	160
48-83698E54	121
48-83698E55	121
48-83698E56	179
48-83698E57	179
48-83698E58	179
48-83698E59	179
48-83698E60	179
48-83698E61	179
48-83698E63	179
48-83698E64	179
48-83698E65	179
48-83698E66	160
48-83698E67	126A
48-83698E74	213
48-83698E75	213
48-83698E82	123A
48-83698E84	123A
48-83698E97	123A
48-83698E98	213
48-83699E03	104
48-83699E04	104
48-83699E06	102
48-83699E08	179
48-83699E09	105
48-83699E10	105
48-83699E14	5079A
48-83699E21	102A
48-83699E30	175
48-83699E50	121
48-83699E61	179
48-83699E64	159
48-83699E78	5254A
48-83699E81	126A
48-83741C01	5465
48-83750G01	123A
48-83750G02	121
48-83750G03	195A
48-83750G04	123A
48-83750G06	160
48-83819K44	5000A
48-83827D04	101
48-83827D07	316
48-83827D08	123A
48-83827D09	5050A
48-83875D01	5454
48-83875D03	5543
48-83875D04	5431
48-83875D05	5422
48-83875D06	5455
48-84018A08	159
48-84018A09	159
48-84066A57	123AP
48-84200D77	5006A
48-84200D78	5016A
48-84209D15	177
48-84209D18	159
48-84209D71	5103A
48-84209D72	177
48-84254C94	286
48-84254C99	5084A
48-84256C88	312
48-84256C90	123A
48-84300A83	159
48-84302A01	104
48-84302A07	116
48-84302A22	101
48-84302A23	121
48-84302A36	129
48-84302A45	160
48-84302A46	128
48-84302A47	123A
48-84302A48	123A
48-84302A49	284
48-84302A50	284
48-84302A51	128
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To Be Replaced	ECG Replacement
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48-90232A04	108
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48-125233	101
48-125234	101
48-125235	101
48-125236	101
48-125237	100
48-125238	100
48-125239	100
48-125240	100
48-125242	100
48-125252	105
48-125266	121
48-125267	121
48-125271	158
48-125276	158
48-125278	126A
48-125282	102A
48-125285	102A
48-125286	105
48-125288	121
48-125294	102A
48-125296	100
48-125298	121
48-125299	105
48-125332	121
48-127021	5071A
48-128093	126A
48-128094	158
48-128095	126A
48-128096	126A
48-128219	160
48-128239	101
48-128303	100
48-129934	121
48-129935	121
48-129936	121
48-129937	121
48-134101	126A
48-134173	123A
48-134190A1G	161
48-134302	121
48-134372	126A
48-134387	109
48-134404	126A
48-134405	126A
48-134406	126A
48-134407	158
48-134408	102A
48-134411	160
48-134412	160
48-134413	160
48-134414	126A
48-134415	100
48-134416	100
48-134417	100
48-134418	100
48-134419	100
48-134420	100
48-134421	100
48-134422	100
48-134423	100
48-134424	100
48-134425	100
48-134426	100
48-134427	100
48-134428	100
48-134429	100
48-134430	105
48-134431	176
48-134432	100
48-134433	100
48-134434	126A
48-134439	160
48-134442	107
48-134443	100
48-134444	100
48-134445	100
48-134446	100
48-134447	121
48-134448	121
48-134449	121
48-134450	100
48-134451	121
48-134452	121
48-134454	126A
48-134456	126A
48-134457	126A
48-134458	100
48-134459	127
48-134462	100
48-134463	121
48-134464	123A
48-134465	123A
48-134466	100
48-134467	5896
48-134468	100
48-134469	100
48-134470	100
48-134471	100
48-134472	100
48-134473	100
48-134474	100
48-134475	100
48-134476	100
48-134477	100
48-134478	129
48-134478A	129
48-134479	126A
48-134480	126A
48-134481	126A
48-134482	158
48-134483	158
48-134484	160
48-134485	160
48-134486	160
48-134487	121
48-134488	121
48-134493	121
48-134494	100
48-134495	100
48-134496	100
48-134499	100
48-134500	100
48-134501	100
48-134504	160
48-134506	160
48-134507	160
48-134508	126A
48-134509	100
48-134510	100
48-134511	102
48-134512	100
48-134514	126A
48-134519	121
48-134520	101
48-134521	126A
48-134522	126A
48-134523	121
48-134524	160
48-134525	159
48-134525A	159
48-134526	160
48-134535	100
48-134536	126A
48-134537	109
48-134538	100
48-134539	100
48-134540	100
48-134541	100
48-134542	100
48-134543	100
48-134544	100
48-134545	126A
48-134547	126A
48-134548	126A
48-134552	144A
48-134553	100
48-134554	100
48-134555	100
48-134556	100
48-134557	100
48-134558	100
48-134559	100
48-134560	121
48-134561	126A
48-134562	100
48-134563	100
48-134564	100
48-134565	100
48-134567	100
48-134570	121
48-134571	121
48-134572	102A
48-134573	102
48-134574	121
48-134575	121
48-134576	126A
48-134577	126A
48-134578	126A
48-134579	160

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
48-134582	121
48-134583	121
48-134584	176
48-134585	176
48-134587	109
48-134588	109
48-134590	123A
48-134591	126A
48-134592	121
48-134597	102A
48-134598	109
48-134599	102A
48-134600	126A
48-134601	126A
48-134602	126A
48-134603	100
48-134604	100
48-134605	126A
48-134606	121
48-134607	102A
48-134610	100
48-134611	121
48-134612	121
48-134613	121
48-134620	121
48-134621	102A
48-134622	105
48-134623	127
48-134625	100
48-134626	100
48-134630	195A
48-134631	100
48-134632	102A
48-134633	158
48-134634	121
48-134635	126A
48-134636	100
48-134637	100
48-134638	121
48-134639	121
48-134640	179
48-134641	100
48-134643	148A
48-134644	121
48-134645	121
48-134646	121
48-134647	121
48-134648	154
48-134649	121
48-134651	121
48-134652	127
48-134653	139A
48-134654	123A
48-134655	100
48-134656	100
48-134657	100
48-134659	144A
48-134661	121
48-134663	147A
48-134664	123A
48-134665	123A
48-134666	123A
48-134667	123A
48-134668	123A
48-134669	123A
48-134670	121
48-134671	156
48-134672	121
48-134673	123A
48-134674	123A
48-134675	123A
48-134676	160
48-134677	160
48-134678	160
48-134679	160
48-134680	126A
48-134681	126A
48-134682	126A
48-134683	126A
48-134684	126A
48-134689	128
48-134690	123A
48-134691	123A
48-134692	179
48-134693	160
48-134694	160
48-134695	179
48-134696	121
48-134697	126A
48-134698	135A
48-134699	150A
48-134700	101
48-134701	130
48-134701A	130
48-134702	159
48-134702A	159
48-134703	123A
48-134704	150A
48-134705	123A
48-134706	108
48-134709	108
48-134711	126A
48-134713	108
48-134714	123A
48-134715	130
48-134715A	130
48-134717	108
48-134718	123A
48-134719	108
48-134720	123A
48-134721	123A
48-134722	121
48-134723	121
48-134724	108
48-134725	108
48-134726	123A
48-134727	104
48-134728	151A
48-134729	179
48-134730	121
48-134731	104
48-134732	123A
48-134733	123A
48-134733A	123A
48-134734	123A
48-134734A	123A
48-134737	123A
48-134738	121
48-134739	123A
48-134739A	124
48-134740	179
48-134741	179
48-134742	179
48-134743	179
48-134744	121
48-134745	159
48-134745A	159
48-134746	121
48-134747	104MP
48-134748	179
48-134749	179
48-134750	121
48-134751	121
48-134752	179
48-134753	179
48-134756	161
48-134757	121
48-134758	121
48-134759	121
48-134760	179
48-134761	179
48-134763	121
48-134764	121
48-134765	123A
48-134766	121
48-134767	121
48-134768	123A
48-134769	116
48-134772	108
48-134773	108
48-134774	108
48-134775	123A
48-134776	123A
48-134777	108
48-134779	108
48-134780	108
48-134781	177
48-134782	123A
48-134783	108
48-134784	108
48-134785	123A
48-134786	108
48-134787	108
48-134788	179
48-134789	107
48-134790	116
48-134791	123A
48-134792	6400B
48-134795	126A
48-134796	126A
48-134797	126A
48-134798	126A
48-134800	108
48-134801	123A
48-134804	123A
48-134805	229
48-134806	108
48-134807	123A
48-134808	123A
48-134809	123A
48-134810	199
48-134811	123A
48-134813	199
48-134814	108
48-134815	159
48-134815A	159
48-134816	177
48-134817	123A
48-134818	108
48-134819	154
48-134820	108
48-134821	108
48-134822	123A
48-134823	199
48-134824	123A
48-134825	229
48-134826	108
48-134827	108
48-134828	108
48-134829	159
48-134829A	159
48-134830	159
48-134830A	234
48-134831	234
48-134831A	234
48-134832	234
48-134832A	234
48-134833	159
48-134833A	159
48-134837	107
48-134838	128
48-134839	123A
48-134840	123A
48-134841	123A
48-134842	123A
48-134843	154
48-134844	123A
48-134845	107
48-134846	287
48-134847	123A
48-134848	123A
48-134850	141A
48-134851	141A
48-134852	123A
48-134853	154
48-134854	123A
48-134855	108
48-134856	176
48-134857	229
48-134858	147A
48-134859	126A
48-134860	126A
48-134861	126A
48-134862	126A
48-134865	159
48-134865A	159
48-134866	159
48-134866A	159
48-134867	159
48-134867A	159
48-134868	159
48-134868A	159
48-134869	159
48-134869A	159
48-134870	159
48-134870A	159
48-134871	159
48-134871A	159
48-134872	124
48-134879	108
48-134880	126A
48-134882	130
48-134884	130
48-134885	124
48-134888	121
48-134889	123A
48-134891	108
48-134892	108
48-134893	108
48-134894	123A
48-134895	123A
48-134896	123A
48-134897	123A
48-134898	154
48-134899	123A
48-134900	162
48-134901	163A
48-134902	108
48-134903	123A
48-134904	107
48-134904A1G	107
48-134904F	107
48-134905	123A
48-134906	123A
48-134907	104
48-134908	108
48-134909	159
48-134909A	159
48-134910	159
48-134910A	159
48-134910F	159
48-134911	159
48-134912	5072A
48-134913	159
48-134913A	159
48-134914	159
48-134914A	159
48-134915	159
48-134915A	159
48-134916	178MP
48-134917	178MP
48-134918	123A
48-134919	154
48-134920	124
48-134921	506
48-134922	107
48-134923	107
48-134924	107
48-134925	107
48-134926	107
48-134927	154
48-134928	123A
48-134929	123A
48-134930	121
48-134931	101
48-134932	233
48-134932(3rd IF)	233
48-134933	123A
48-134933E	123A
48-134934	127
48-134935	123A
48-134936	107
48-134937	108
48-134938	121
48-134939	506
48-134940	159
48-134940A	159
48-134941	128
48-134942	123A
48-134943	159
48-134943A	159
48-134944	312
48-134945	107
48-134946	108
48-134947	121
48-134948	108
48-134949	108
48-134950	108
48-134951	129
48-134951A	129
48-134952	123A
48-134953	128
48-134954	110MP
48-134955	149A
48-134956	100
48-134957	139A
48-134958	116
48-134959	116
48-134960	108
48-134961	107
48-134962	107
48-134963	107
48-134964	107
48-134965	107
48-134966	107
48-134967	159
48-134967A	159
48-134969	130
48-134970	123A
48-134971	148A
48-134972	124
48-134973	159
48-134973A	159
48-134974	121
48-134975	159
48-134975A	159
48-134977	121
48-134978	506
48-134979	108
48-134980	123A
48-134981	107
48-134982	128
48-134983	108
48-134985	108
48-134987	185
48-134988	123A
48-134989	159
48-134989A	159
48-134990	116
48-134991	135A
48-134992	123A
48-134993	136A
48-134994	123A
48-134995	389
48-134996	123A
48-134997	123AP
48-134998	157
48-136665	123A
48-137000	143A
48-137001	127
48-137002	154
48-137003	123A
48-137004	108
48-137005	128
48-137006	108
48-137007	123A
48-137008	130
48-137008A	130
48-137010	123A
48-137011	190
48-137013	123A
48-137014	123A
48-137015	199
48-137017	144A
48-137019	123A
48-137020	159
48-137020A	159
48-137021	159
48-137022	123A
48-137023	312
48-137024	5400
48-137025	104
48-137026	104
48-137027	130
48-137027A	130
48-137028	5130A
48-137029	116
48-137030	241
48-137031	121
48-137032	159
48-137032A	159
48-137033	108
48-137034	146A
48-137035	154
48-137036	130
48-137036A	130
48-137037	184
48-137039	176
48-137040	107
48-137041	128
48-137043	123A
48-137044	123A
48-137045	159
48-137045A	159
48-137046	159
48-137047	123A
48-137048	144A
48-137049	180
48-137053	130
48-137053A	130
48-137055	108
48-137056	123A
48-137057	123A
48-137058	6400B
48-137059	107
48-137061	159
48-137062	5033A
48-137065	6407
48-137066	106
48-137067	159
48-137067A	159
48-137068	159
48-137068A	159
48-137069	159
48-137069A	159
48-137070	220
48-137071	107
48-137072	123A
48-137073	123A
48-137074	116
48-137075	107
48-137076	107
48-137077	107
48-137079	130
48-137079A	130
48-137080	197
48-137081	502
48-137082	503
48-137083	123A
48-137088	128
48-137089	123A
48-137090	159
48-137090A	159
48-137091	188
48-137092	188
48-137093	190
48-137095	184
48-137096	123A
48-137098	5800
48-137101	123A
48-137102	104
48-137104	108
48-137105	108
48-137106	123A
48-137107	123A
48-137108	123AP
48-137109	123A
48-137110	123A
48-137111	123A
48-137112	506
48-137113	191
48-137114	505
48-137115	123AP
48-137116	181
48-137118	121
48-137119	121
48-137120	121
48-137121	179
48-137122	121
48-137123	121
48-137124	121
48-137125	179
48-137126	108
48-137127	159
48-137127A	159
48-137128	184
48-137130	139A
48-137132	146A
48-137133	507
48-137134	163A
48-137136	108
48-137137	123A
48-137138	123A
48-137139	123A
48-137140	108
48-137142	5444
48-137143	116
48-137144	108
48-137145	184
48-137146	184
48-137147	184
48-137148	184
48-137149	188
48-137153	185
48-137154	185
48-137155	185
48-137156	185
48-137157	185
48-137158	108
48-137160	189
48-137164	139A
48-137165	6400B
48-137166	108
48-137167	178MP
48-137168	189
48-137169	188
48-137170	5011A
48-137171	123AP
48-137171D	123A
48-137172	123A
48-137173	159
48-137173A	159
48-137174	123A
48-137175	130
48-137175A	130
48-137176	159
48-137176A	159
48-137177	142A
48-137178	127
48-137179	163A
48-137180	130
48-137180A	130
48-137183	5882
48-137184	5485
48-137185	197
48-137188	141A
48-137190	108
48-137191	108
48-137192	123A
48-137193	158
48-137194	108
48-137195	159
48-137196	108
48-137197	161
48-137198	116
48-137199	102
48-137200	184
48-137202	188
48-137203	163A
48-137205	125
48-137206	123A
48-137207	124
48-137208	116
48-137209	143A
48-137210	137A
48-137211	184
48-137212	125
48-137213	104
48-137214	131
48-137215	104
48-137216	104
48-137217	104
48-137218	104
48-137219	104
48-137220	104
48-137234	127
48-137235	127
48-137238	194
48-137239	191
48-137240	189
48-137251	130
48-137256	185
48-137257	123A
48-137258	185
48-137259	197
48-137260	123A
48-137265	123A
48-137266	147A
48-137267	131
48-137268	131
48-137269	131
48-137270	131
48-137271	131
48-137272	142A
48-137277	184
48-137278	194
48-137279	5014A
48-137280	5400
48-137281	5404
48-137282	6400B
48-137290	125
48-137291	116
48-137295	5404
48-137297	141A
48-137298	144A
48-137299	109
48-137300	199
48-137301	125
48-137302	125
48-137303	185
48-137304	185
48-137306	5030A
48-137307	128
48-137308	131
48-137309	196
48-137310	197
48-137311	241
48-137312	153
48-137313	219
48-137314	189
48-137315	128
48-137316	125
48-137317	123A
48-137318	159
48-137319	188
48-137320	189
48-137321	193
48-137322	5011A
48-137323	184
48-137324	159
48-137325	199
48-137326	162
48-137327	5804
48-137328	5016A
48-137329	104
48-137330	5024A
48-137331	242
48-137332	194
48-137333	130
48-137334	141A
48-137336	123A
48-137337	5010A
48-137338	5487
48-137339	108
48-137340	5804
48-137341	165
48-137342	127
48-137342-P47	127
48-137343	312
48-137344	130
48-137347	552
48-137348	552
48-137349	5442
48-137350	123A
48-137351	229
48-137352	108
48-137353	123A
48-137354	123A
48-137355	108
48-137364	154
48-137365	144A
48-137366	159
48-137367	127
48-137368	130
48-137369	241
48-137370	242
48-137371	108
48-137372	108
48-137373	123A
48-137374	123A
48-137375	108
48-137376	108
48-137377	123A
48-137378	123A
48-137379	159
48-137380	159
48-137381	159
48-137382	159
48-137383	159
48-137384	123A
48-137385	177
48-137386	194
48-137387	137A
48-137388	108
48-137390	199
48-137391	159
48-137392	172A
48-137393	5019A
48-137394	5024A
48-137395	5404
48-137396	152
48-137397	513
48-137398	123A
48-137399	123A
48-137400	107
48-137415	154
48-137421	5072A
48-137437	152
48-137472	183
48-137473	184
48-137476	191
48-137483	108
48-137487	614
48-137488	222
48-137491	161
48-137495	109
48-137497	109
48-137498	123A
48-137500	123A
48-137501	185
48-137502	159
48-137504	159
48-137505	188
48-137506	152
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48-137551	506
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48-137561	185
48-137562	242
48-137563	143A
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48-137567	222
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48-137610	189
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48-155002	502
48-155005	175
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48-155013	196
48-155014	197
48-155030	116
48-155034	198
48-155035	290A
48-155037	116
48-155039	110MP
48-155040	116
48-155041	552
48-155042	186A
48-155043	198
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48-155045	290A
48-155046	297
48-155047	519
48-155048	5074A
48-155050	5404
48-155051	399
48-155052	605A
48-155053	130
48-155054	149A
48-155056	552
48-155057	116
48-155058	238
48-155059	198
48-155060	519
48-155061	109
48-155062	152
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48-155065	290A
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48-155067	130

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To Be Replaced	ECG Replacement
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48-155085	116
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48-155108	506
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48-155113	5404
48-155114	109
48-155116	187A
48-155117	297
48-155118	283
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48-155122	294
48-155123	192
48-155124	389
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48-155126	552
48-155127	5069A
48-155128	552
48-155130	198
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48-155133	198
48-155136	552
48-155138	116
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48-155141	85
48-155144	615A
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48-155148	601
48-155150	289A
48-155152	525
48-155153	198
48-155154	199
48-155156	290A
48-155157	247
48-155158	5092A
48-155159	177
48-155160	519
48-155166	5071A
48-155172	19
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48-155179	552
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48-155183	519
48-155184	5013A
48-155185	5010A
48-155189	165
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48-155197	165
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48-155253	5089A
48-155255	116
48-155258	519
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48-155364	293
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48-155383	239
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48-355006	234
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48-355009	109
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48-355016	116
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48-355035	177
48-355036	177
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48-355038	198
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48R869205	121
48R869206	6400B
48R869209	195A
48R869225	175
48R869241	121
48R869244	130
48R869250	102
48R869251	105
48R869255	121
48R869256	6401
48R869257	129
48R869264	6400B
48R869301	175
48R869302	130
48R869306	314
48R869312	123A
48R869321	130
48R869325	123A
48R869329	123A
48R869334	159
48R869338	199
48R869384	199
48R869389	289A
48R869412	234
48R869413	159
48R869416	199
48R869432	129
48R869436	121
48R869444	123A
48R869467	234
48R869491	195A
48R869519	195A
48R869520	129
48R869521	192
48R869525	123A
48R869550	121
48R869562	128
48R869563	123A
48R869568	123A
48R869570	123A
48R869571	159
48R869580	350
48R869582	185
48R869583	351
48R869586	359

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
48R869625	356
48R869640	188
48R869641	189
48R869649	159
48R869659	350
48R869665	320
48R869676	196
48R869711	320
48R869740	366
48R869741	366
48R869755	367
48R869765	350
48R869767	123A
48R869773	316
48R869775	351
48R869844	316
48R869847	317
48R869851	366
48R869859	341
48R969681	129
48R8430266	5065A
48R8430267	5802
48S00155035	290A
48S00155039	109
48S00155060	519
48S00155073	85
48S00155077	519
48S00155087	229
48S00155093	85
48S00155094	85
48S00155114	109
48S00155131	605A
48S00155137	552
48S00155144	615A
48S00155146	5013A
48S00155166	5071A
48S00155172	19
48S00155172(BCE)	290A
48S00155177	116
48S00155222	399
48S00155258	519
48S00155267	5633
48S00155293	16
48S00155293(BCE)	85
48S00155294(BCE)	290A
48S00155295	5014A
48S00155296	552
48S00155307	85
48S00155322	3074
48S00155329	199
48S00155330	145A
48S00155334	519
48S00155343	19
48S00155364	293
48S00155365	85
48S00155372(BCE)	85
48S00155380	290A
48S00155400	16
48S00155400(BCE)	85
48S00155401(BCE)	85
48S00155402	16◆
48S00155402(BCE)	85
48S00155403(BCE)	85
48S00355052	229
48S50	218
48S191A02	116
48S191A05	506
48S191A05A	506
48S191A07	116
48S191A08	506
48S4076P01	235
48S4219G01	107
48S4324aG01	153
48S4328G02	153
48S4531G03	229
48S10346A02	109
48S10577A01	177
48S10577A02	177
48S10577A11	177
48S10577A11(Transistor)	105
48S10577A11(Diode)	177
48S10577A13(Transistor)	105
48S10577A13(Diode)	177
48S10641D62	137A
48S13270	131
48S14873J01	5072A
48S40149P01	199
48S40170G01	85
48S40170GO1	199
48S40235G02	116
48S40246G01	199
48S40247G01	199
48S40247G03	199
48S40247G04	199
48S40382J01	186
48S40383J01	187
48S40606J02	199
48S40607J01	199
48S40662G02	152
48S40662G05	152
48S40732P01	229
48S40734P01	295
48S40738P01	177
48S40739P01	116
48S41784J03	184
48S41784J04	184
48S41785J03	185#
48S41815J02	85
48S41873J01	5016A
48S41873J02	139A
48S41873J03	140A
48S42191G01	107
48S42885P01	235
48S42976J01	1052
48S43191G01	107
48S43238G01	290A
48S43238G02	290A
48S43239G02	289A
48S43240G01	152
48S43240G02	152
48S43241G01	153
48S43467J01	312
48S43720J01	290A
48S43720J02	290A
48S43991J01	108
48S43992J01	108
48S44080J01	600
48S44578J01	85
48S44580J01	85
48S44580J02	229
48S44657G01	1022
48S44883G01	152
48S44884G01	153
48S44885G01	123A
48S44885G02	123A
48S44886G01	289A
48S44886G02	289A
48S44886G03	289A
48S44886G04	289A
48S45315G01	229
48S45315G03	229
48S45323G01	612
48S90343A87	3120
48S90380A55	3120
48S90478A30	5010A
48S90478A34	3121
48S134761	104MP
48S134810	123AP
48S134811	123AP
48S134815	159
48S134816	177
48S134830	159
48S134831	159
48S134832	159
48S134900	162
48S134901	163A
48S134902	108
48S134903	123A
48S134916	113A
48S134917	178MP
48S134919	154
48S134921	116
48S134932	233
48S134933	123A
48S134936	196
48S134939	116
48S134944	312
48S134946	108
48S134960	108
48S134970	108
48S134979	108
48S134981	161
48S134988	192
48S134989	193
48S134995	389
48S134997	123AP
48S137000	142A
48S137006	108
48S137015	199
48S137021	5072A
48S137032	159
48S137041	128
48S137082	503
48S137107	123A
48S137110	123A
48S137114	505
48S137115	123A
48S137127	159
48S137133	177
48S137134	389
48S137167	178MP
48S137168	189
48S137169	188
48S137170	5011A
48S137171	123A
48S137172	123A
48S137173	159
48S137174	123A
48S137266	147A
48S137272	147A
48S137299	109
48S137300	123A
48S137309	152
48S137310	153
48S137311	152
48S137312	153
48S137315	123A
48S137317	123A
48S137323	196
48S137330	145A
48S137341	165
48S137343	312
48S137344	130
48S137347	552
48S137348	552
48S137364	191
48S137369	152
48S137370	153
48S137386	194
48S137397	513
48S137442	5080A
48S137476	191
48S137498	123A
48S137512	247
48S137524	163A
48S137528	124
48S137530	123A
48S137533	506
48S137535	124
48S137539	165
48S137543	123A
48S137546	506
48S137548	162
48S137551	506
48S137572	188
48S137638	6402
48S137639	46
48S137643	153
48S155001	165
48S155002	502
48S155005	175
48S155006	154
48S155013	152
48S155025	280
48S155030	116
48S155034	198
48S155035	290A
48S155037	116
48S155039	109
48S155040	116
48S155041	116
48S155042	186A
48S155043	198
48S155044	175
48S155045	234
48S155046	297
48S155047	177
48S155048	5074A
48S155050	5404
48S155051	287
48S155052	605A
48S155053	130
48S155054	149A
48S155056	552
48S155057	116
48S155058	238
48S155059	198
48S155060	519
48S155061	109
48S155062	152
48S155063	116
48S155065	290A
48S155066	153
48S155067	130
48S155068	5633
48S155069	198
48S155070	198
48S155071	85
48S155072	198
48S155073	85
48S155074	186A
48S155075	239
48S155076	165
48S155077	519
48S155078	109
48S155079	116
48S155080	5070A
48S155081	5074A
48S155083	125
48S155084	5074A
48S155087	229
48S155088	123A
48S155089	199
48S155090	238
48S155091	291
48S155092	5404
48S155093	85
48S155094	85
48S155095	194
48S155096	198
48S155099	116
48S155100	116
48S155103	142A
48S155104	145A
48S155105	162
48S155106	116
48S155107	552
48S155108	552
48S155110	198
48S155111	186A
48S155114	109
48S155116	187A
48S155117	297
48S155118	283
48S155121	293
48S155122	294
48S155123	192
48S155126	116
48S155127	5069A
48S155128	506
48S155131	605A
48S155136	552
48S155137	552
48S155139	506
48S155140	243
48S155141	85
48S155144	615A
48S155150	289A
48S155160	519
48S155166	5071A
48S155172	19
48S155172(BCE)	290A
48S155177	116
48S155179	552
48S155180	5092A
48S155183	519
48S155189	165
48S155193	116
48S155195	552
48S155199	5013A
48S155201	552
48S155207	5010A
48S155212	125
48S155213	376
48S155222	399
48S155223	552
48S155224	165
48S155225	5070A
48S155238	125(2)
48S155239	116(2)
48S155241	247
48S155249	228A
48S155258	519
48S155259	376◆
48S155263	145A
48S155267	5633
48S155275	6402
48S155279	605A
48S155280	5010T1
48S155281	5012A
48S155282	5015A
48S155284	290A
48S155285	290A
48S155286	377
48S155289	525
48S155292	116
48S155293	16
48S155293(BCE)	85
48S155294	19
48S155294(BCE)	290A
48S155295	5014A
48S155296	552
48S155298	5020A
48S155299	5011A
48S155302	171
48S155305	198
48S155307	85
48S155310	125
48S155311	5071A
48S155312	5074A
48S155314	148A
48S155317	140A
48S155320	85
48S155323	5019A
48S155324	125
48S155325	5016A
48S155329	199
48S155330	145A
48S155333	375
48S155334	519
48S155337	377
48S155343	19
48S155364	293
48S155365	85
48S155372	85
48S155376	116
48S155377	3041
48S155378	5030A
48S155380	290A
48S155382	261
48S155383	239
48S155387	5025A
48S155400	16
48S155400(BCE)	85
48S155401	16
48T44a70T01	140A
48T40059U06	5012A
48T40059U31	5019T1
48T40059U34	5020A
48T40235U01	116
48T40477U01	116
48T40627U01	85
48T40627U02	85
48T40734P01	295
48T42182U01	199
48T42620F02	152
48T42884P01	295
48T42885P01	235
48T43525F02	85
48T43526F02	290A
48T43738P01	6402
48T44160U01	85
48T44160U02	85
48T66544A88	358
48-V34816	177
48X00155039	109
48X90210A03	377
48X90210A05	5004A
48X90210A06	519
48X90210A10	2303
48X90210A12	5020A
48X90210A13	5006A
48X90210A14	399
48X90210A16	12
48X90210A32	5013A
48X90210A68	590
48X90210A69	591
48X90223A25	377
48X90223A61	377
48X90223A62	261#
48X90223A63	89
48X90223A64	552
48X90223A65	552
48X90223A66	5037A
48X90223A67	5012A
48X90223A68	5424#
48X90223A88	140A
48X90223A90	5019T1
48X90223A92	125
48X90223A93	2302
48X90223A94	19
48X90223A95	16
48X90223A96	107
48X90223A97	399
48X90223A98	399
48X90223A99	5004A
48X90229A02(BCE)	85
48X90229A03	377#
48X90229A04	399
48X90229A05	89
48X90229A06	293
48X90229A09	5010A
48X90229A15(BCE)	90
48X90229A17	85
48X90229A18	290A
48X90229A19	290A
48X90229A20	289A
48X90229A36	5020A
48X90229A37	399
48X90229A38(ECB)	46
48X90229A45	290A
48X90229A46	89
48X90229A50	5009A
48X90229A52	290A
48X90229A53	157
48X90229A58	5020A
48X90229A73	116
48X90229A78	5019A
48X90229A79	5077A
48X90229A81	5072A
48X90229A84	373
48X90229A87	5077A
48X90229A93	91
48X90229A95	5012A
48X90232A40	85
48X90232A47	56
48X90232A68	5013T1
48X90232A72	5024A
48X90232A74	5015A
48X90232A75	55#
48X90232A78	552
48X90232A80	56
48X90232A83	519
48X90232A84	137A
48X90232A89	5024A
48X90232A90	605A
48X90232A91	5031A
48X90232A92	5016A
48X90232A93	142A
48X90232A94	125
48X90232A95	558
48X90232A96	5010A
48X90232A97	5002A
48X90232A98	5030A
48X90232A99	399
48X90233A17	555
48X90233A26	375
48X90233A27	198◆
48X90233A28	377
48X90233A39	5022A
48X90233A40	19
48X90233A40(BCE)	290A
48X90233A41	5011A
48X90233A50	5010A
48X90233A53	109
48X90233A67	112
48X90233A90	10
48X90233A97	5033A
48X90234A05	503
48X90234A31	289A
48X90234A59	85
48X90234A66	112
48X90234A67	519
48X90235A09	605A
48X90235A25	552
48X90235A26	5020A
48X90235A51	5424#
48X90235A52	19
48X90235A53	198
48X90235A54	377#
48X90235A55	116
48X90235A59	5016A
48X90235A60	558
48X90235A62	116
48X90235A70	22
48X90235A72	519
48X90237A19	289A
48X90237A20	289A
48X90237A60	152
48X90237A62	125
48X90237A63	5015A
48X90237A64	5014A
48X90237A65	5021A
48X90237A66	519
48X90288A45	552
48X90343A02	107
48X90343A07	290A
48X90343A39	5013A
48X90343A54	552
48X90343A81	293
48X90343A83	289A
48X90380A03	51
48X90380A04	294
48X90380A05	552
48X90380A06	5009A
48X90380A07	5031A
48X90380A08	558
48X90380A09	5010A
48X90380A29	601
48X90380A30	5024A
48X90380A46	605A
48X90380A47	5011A
48X90380A74	16
48X90380A76	290A
48X90380A77	294
48X90380A78	16
48X90380A80	18
48X90380A85	5018A
48X90420A01	85
48X90420A24	85
48X90420A28	290A
48X90420A29	19
48X90420A31	107
48X90420A41(BCE)	16
48X90420A42(BCE)	19
48X90420A43	293
48X90420A53	605A
48X90420A56	377
48X90420A74	198
48X90420A83	91
48X90420A85	552
48X90420A86	552
48X90420A87	552
48X90420A88	146A
48X90420A90	389
48X90420A92	157#
48X90420A98	552
48X90432A01	269A
48X90432A14	290A
48X90432A15	116
48X90432A32	15
48X90432A34(BCE)	85
48X90432A35	18
48X90432A36	18
48X90432A37	199
48X90432A39	586
48X90432A41	5024A
48X90432A42	5011A
48X90432A54	290A
48X90432A55	19
48X90432A56	19
48X90432A57	85
48X90445A11	15
48X90445A17	16
48X90445A33	107
48X90445A34	85
48X90445A40	5005A
48X90445A51	5020A
48X90445A52	5020A
48X90445A60	552
48X90445A63	152
48X90445A71	157
48X90445A74	85
48X90445A91	16◆
48X90445A93	253
48X90445A94	5025A
48X90445A96	552
48X90445A97	615A
48X90456A04(BCE)	290A
48X90456A07	21
48X90456A11	18
48X90456A12	199
48X90456A15	116
48X90456A16	5011A
48X90456A24	519
48X90456A32	152
48X90456A34	615A
48X90456A35	552
48X90456A54	293
48X90456A70	552
48X90456A71	5021A
48X90456A72	519
48X90456A73	5009A
48X90456A75	198
48X90456A76	184
48X90456A77	389
48X90456A80	5029A
48X90456A94	552
48X90456A95	116
48X90456A96	5014A
48X90478A04	16◆
48X90478A05	90
48X90478A06	242
48X90478A10	552
48X90478A12	5013A
48X90478A13	5014A
48X90478A15	391
48X90478A16	391
48X90478A17	242
48X90478A18	91
48X90478A20	261
48X90478A21	289A
48X90478A22	261
48X90478A23	377
48X90478A24	90
48X90478A26	5314
48X90478A27	125(2)
48X90478A28	125(2)
48X90478A29	5022A
48X90478A30	5010A
48X90478A41	5025A
48X90478A45	290A
48X90478A46	294
48X90478A47	19
48X90478A48	290A
48X90478A49	85
48X90478A50	196
48X90478A51	373#
48X90478A52	85
48X90478A53	16◆
48X90478A54	289A
48X90478A55	152
48X90478A56	54
48X90478A57	116
48X90478A60	125
48X90478A61	5010A
48X90478A65	375
48X90478A68	85
48X90478A69	85
48X90478A70	605A
48X90478A71	5010A
48X90478A72	5014A
48X90478A73	5014A
48X90478A75	552
48X90478A76	5016A
48X90478A77	5029A
48X90478A78	5020A
48X90478A91	5010A
48X90478A94	21
48X90488A01	519
48X90488A06	3022
48X90488A16(BCE)	290A
48X90488A17(BCE)	85
48X90488A19	18
48X90488A32	552
48X90488A42	399
48X90488A44	5025A
48X90488A45	552
48X90488A46	5016A
48X90488A47	116(2)
48X90488A48	116(2)
48X90488A49	399
48X90488A50	184
48X90488A51	389
48X90488A61	321
48X90488A62	152
48X90488A66	389
48X90488A67	125
48X90488A68	5020A
48X90488A69	116
48X90488A77	605A
48X90543A05	5033A
48X90543A06	5013A
48X90543A15	558
48X90549A71	293
48X90562A02	116
48X90562A04	109
48X97046A48	158
48X97046A51	108
48X97046A52	128
48X97046A53	102A
48X97046A54	102A
48X97046A55	102A
48X97046A60	123A
48X97046A61	123A
48X97046A62	123A
48X97048A06	109
48X97048A10	116
48X97048A19	109
48X97162A01	108
48X97162A02	108
48X97162A04	108
48X97162A05	123A
48X97162A06	102A
48X97162A07	102A
48X97162A09	108
48X97162A10	108
48X97162A21	123A
48X97162A36	158
48X97162A37	158
48X97168A01	109
48X97168A03	109
48X97168A04	109
48X97172A01	116
48X97177H01	312
48X97238A01	126A
48X97238A02	126A
48X97238A03	126A
48X97238A04	123A
48X97238A05	102
48X97238A06	131MP
48X97239A01	109
48X155166	5071A
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48X155238	116(2)
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49-3112	116
49-61963	5444
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49-155114	109
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49A0006-000	7420
49A0010	9944
49A0012-000	7474
49A0103-001	923
49A0510	9944
49C(IC)	1086*
49L-4A5	102A
49P1C	121
49RECT-S1-154	552
49RECT-SI-154	552
49S1	177
49SD-1N60P	109
49ST-2SC1213D-24	289A
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50-30715-08	290A
50-30727-05	398
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50-40101-04	108
50-40101-05	108
50-40102-04	123A
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50-40105-08	123A
50-40106-09	159
50-40201-08	123A
50-40201-09	123A
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50-40204-10	159
50-40205-09	129
50-40306-07	293
50-40708-06	85
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50-40708-09	85
50-40711-06	399
50-40711-07	399
50-40712-08	289A
50-40724-03	89

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50-40726-05	375
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50-40733-04	399
50-40734-08	2330♦
50-40735-07	31
50-41001-01	389
50-51001-01(GSD)	451
50-70784-15	229
50-81402-04	123A
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50A-5-S001(Stern)	931
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50A102	126A
50A103	129
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50A5	116
50B5	116
50B54	102A
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50B173-S	102A
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50B364	158
50B415	158
50B423	102A
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50C380-OR	107
50C394-0	107
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50C401	130
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50C784	108
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51-90305A87	712
51-90305A88	1615
51-90305A90	749
51-90305A91	712
51-90305A92	1587
51-90433A07	1402
51-90433A10	4069
51-90433A11	4050B
51-90433A12	9403
51-90433A13	4016B
51-90433A27	958
51-90433A28	1414
51-90433A30	958
51-90433A32	1428
51-90433A33	1400
51-90433A34	1422
51-90433A35	1419
51-90433A46	778A
51-90433A52	1620
51-90433A53	1607
51-90433A54	1234
51-90433A57	1060
51-90433A60	1162
51-90433A62	1550
51-90433A63	2061§
51-90433A66	1187
51-90433A99	1621
51-90458A01	1422
51-90458A06	1613
51-90458A07	834
51-90458A28	1930
51-90458A30	1440
51-90458A34	2207
51-90458A37	1452
51-90458A50	1440
51-90458A51	712
51-90458A52	1295
51-90458A55	1546
51-90458A56	1427
51-90458A65	1217
51-90458A66	1218
51-90458A67	1659
51-90458A70	1060
51-90458A71	1618
51-90458A72	1610
51-90458A75	1629
51-90458A78	1270
51-90458A80	1625
51-90458A82	1568
51-90458A83	778A
51-90458A84	778A
51-90458A88	4066B
51-90458A94	834
51-90480A07	960
51-90480A08	960
51-90480A09	1563
51-90480A16	4066B
51-90480A18	4009?B
51-90480A20	1409
51-90480A31	1529

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
51-90480A33	1609
51-90480A46	962
51-90480A51	1425
51-90480A52	1439
51-90480A56	1410
51-90480A57	1410
51-90480A64	1551
51-90480A65	1727
51-90480A66	966
51-90480A87	1367
51-90480A93	1629
51-90480A94	1231
51-90480A95	1546
51-90480A96	1674
51-90495A17	7406
51-90495A36	1560
51-90495A87	1612
51-90495A88	1747
51-90495A90	1683
51-90495A91	7416
51-90507A20	1234
51-90507A24	962
51-90507A35	9403
51-90507A39	928M
51-90507A40	928M
51-90507A59	943M
51-90507A60	1630
51-90507A71	1659
51-90507A84	4001B
51-90507A85	4071B
51-90507A87	1628
51-90507A92	4015B
51-90507A93	4024B
51-90507A97	4002B
51-90507A98	4012B
51-90507A99	4069
51-90508A35	9403
51-90518A07	960
51-90518A08	4040B
51-90518A10	1659
51-90518A11	1217
51-90518A28	4528B
51-90518A34	40097B
51-90518A36	4011B
51-90518A49	960
51-90518A54	1682
51-90518A69	955M
51-90518A71	2079
51-90518A84	1435
51-90518A97	1611
51-90528A01	928M
51-90528A21	1367
51-90528A26	986
51-90528A27	1747
51-90528A28	1683
51-90528A29	966
51-90528A32	834
51-90528A35	1176§
51-90528A36	1546
51-90528A39	986
51-90528A41	1742
51-90528A49	960
51-90528A80	778A
51-90538A18	4027B
51-90538A22	966
51-90538A24	1561
51-90538A89	960
51-90544A55	1729
51-90555A53	1683
51-90555A60	4053B
51-110276A01	704
51-42908501	801
51-43639802	755
51A180-4	161
51A524004-01	941D
51C42908J01	801
51C43684B	735
51C43684B01	755
51C43684B02	755
51D0177A02	748A
51D170	102
51D176	102A
51D188	100
51D189	100
51D70177A01	798
51D70177A02	748A
51D70177A03	738
51D70177B02	748A
51G10679A03	738
51G10679A13	748A
51GX3	120
51GX14	120
51HQ045	6094
51IN60P	109
51IS34S	109
51M33801A01	1162
51M70177A01	798
51M70177A02	748A
51M70177A03	738
51M70177A05	749
51M70177A07	767§
51M70177B01	798
51M70177B02	748A
51N3M	180
51P2	126A
51P4	126A
51R04488D03	727
51-R800-65C01	1288
51R8432A09	772A
51R40000S13	1232
51R80065C01	1288
51R84320A	1115A
51R84320A02	724
51R84320A03	912
51R84320A05	912
51R84320A09	772A
51R84320A16	912
51R84320A32	916
51R84320A58	708
51RC10	5570
51RC20	5570
51RC30	5572
51RC40	5572
51RC50	5572
51RC60	5572
51RC80	5574
51S01422A	718
51S1S34	109
51S10G55A13	748A
51S1056FA01	722
51S1056GA01	722
51S10072A01	736
51S10276A01	704
51S10302A01	703
51S10382A	718
51S10382A01	718
51S10393A01	748A
51S10408A01	710
51S10422A	718
51S10422A01	718
51S10425A01	798
51S10427A02	718
51S10432A01	717
51S10437A01	718
51S10534A01	755
51S10534A03	755
51S10534A04	735
51S10536A01	912
51S10541A01	917
51S10553A01	917
51S10559A	722
51S10559A01	722
51S10566A01	722
51S10566A02	722
51S10592A01	722
51S10594A01	723
51S10600A	753
51S10600A01	753
51S10611A09	760
51S10611A10	OBS-NLA
51S10611A11	7400
51S10611A12	7404
51S10611A15	7450
51S10611A16	7475
51S10617A01	718
51S10619A01	723
51S10631A01	708
51S10636A	772A
51S10636A01	772A
51S10637A01	781
51S10638A01	789
51S10650A01	778A
51S10655A01	798
51S10655A01-3	798
51S10655A03	738
51S10655A03A	738
51S10655A05	749
51S10655A14	831§
51S10655A17	4001B
51S10655A18	4011B
51S10655A19	4013B
51S10655A22	920
51S10655B01	798
51S10655B03	738
51S10655B13	712
51S10655C05	749
51S10658A01	788
51S10672A	736
51S10672A01	736
51S10711A01	743
51S10715A01	941M
51S10830A	1115
51S13747A01	529
51S13747A02	529
51S13747A03	529
51S13749A46	1174
51S13753A01	1196
51S13753A02	1164
51S13753A03	1161
51S13753A04	1162
51S13753A05	1250
51S13753A06	1173
51S13753A07	712
51S13753A08	1168
51S13753A09	712
51S13753A1	1164
51S13753A6A	986
51S13753A10	1164
51S13753A11	712
51S13753A12	4511B
51S13753A13	834
51S13753A20	1176§
51S13753A22	1410
51S13753A23	1415
51S13753A25	1406
51S13753A27	1437
51S13753A28	1410
51S13753A33	4042B
51S13753A37	1682
51S13753A40	1231
51S13753A41	834
51S13753A43	4511B
51S13753A46	1174
51S13753A47	984
51S13753A48	1401
51S13753A49	1403
51S13753A50	986
51S13753A53	1669
51S13753A55	1550
51S13753A60	1401
51S13753A64	986
51S13753A67	1373
51S13753A68	1663
51S23753A47	984
51S40464P01	801
51S42211P01	1659
51S42908J01	801
51S44789J01	1234
51S44789J02	1234
51S44837J03	1239
51S44837J04	1239
51S70177A01	798
51S90266A14	778A
51S90266A22	1560
51S90266A45	928M
51S90266A54	778A
51S90266A72	1623
51S90305A16	1614§
51S90305A20	1123
51S90305A21	1263
51S90305A22	1264
51S90305A23	1265
51S90305A24	1266
51S90305A25	1267
51S90305A26	1268
51S90305A27	1269
51S90305A28	1223
51S90305A34	1408
51S90305A37	1427
51S90305A39	1405
51S90305A40	1428
51S90305A41	1425
51S90305A43	1412
51S90305A44	1419
51S90305A45	1622
51S90305A61	712
51S90305A62	1408
51S90305A65	1439
51S90305A66	1450
51S90305A69	1444
51S90305A73	1421
51S90305A78	1248
51S90305A79	1224
51S90305A82	1442
51S90305A83	1249
51S90305A88	1615
51S90305A91	712
51S90305A92	1587
51S90433A07	1402
51S90433A27	958
51S90433A32	1428
51S90433A33	1400
51S90433A34	1422
51S90433A35	1419
51S90433A46	778A
51S90433A52	1620
51S90433A53	1607
51S90433A54	1234
51S90433A55	1419
51S90433A57	1060
51S90433A60	1162
51S90433A99	1621
51S90458A01	1423
51S90458A06	1613
51S90458A07	834
51S90458A28	1930
51S90458A34	2207
51S90458A37	1452
51S90458A50	1440
51S90458A51	712
51S90458A56	1427
51S90458A65	1217
51S90458A66	1218
51S90458A70	1060
51S90458A75	1629
51S90458A78	1270
51S90458A80	1625
51S90458A82	1568
51S90458A84	778A
51S90458A88	4066B
51S90480A09	1563
51S90480A16	4066B
51S90480A18	40097B
51S90480A31	1529
51S90480A33	1609
51S90480A46	962
51S90480A51	1425
51S90480A52	1410
51S90480A64	1551
51S90480A66	966
51S90480A87	1367
51S90480A93	1629
51S90480A94	1231
51S90480A96	1674
51S90495A36	1560
51S90495A87	1612
51S90507A20	1234
51S90507A24	962
51S90507A39	928M
51S90507A40	928M
51S90507A59	943M
51S90507A60	1630
51S90507A71	1659
51S90507A84	4001B
51S90507A85	4071B
51S90507A87	1628
51S90507A92	4015B
51S90507A93	4024B
51S90507A97	4002B
51S90507A98	4012B
51S90507A99	4069
51S90508A35	9403
51S90518A07	960
51S90518A08	4040B
51S90518A10	1659
51S90518A11	1217
51S90518A34	40097B
51S90518A36	4011B
51S90518A49	960
51S90518A54	1682
51S90518A84	1435
51S90518A97	1611
51S90528A01	928M
51S90528A21	1367
51S90528A26	986
51S90528A27	1747
51S90528A28	1683
51S90528A29	966
51S90528A32	834
51S90528A35	1176§
51S90528A36	1546
51S90528A39	986
51S90528A41	1742
51S90528A49	960
51S90528A80	778A
51S90538A18	4027B
51S90538A22	966
51S90538A24	1561
51S90538A89	960
51S90544A55	1729
51S90555A53	1683
51S90555A60	4053B
51S110276A01	704
51T40064T01	1432
51T40113T01	2003
51T40114T01	2004
51T40167F01	4001B
51T40167F02	4011B
51T40242T01	4011B
51T40243T01	4001B
51T40378U01	1436
51T40389U01	4013B
51T40476U01	4093B
51T40947T01	1278
51T41263F01	1533
51T41809P01	2001
51T42261F01	1461
51T42265U01	1478
51T42459F01	1398
51T42684U01	1534
51T43199U01	1399
51T43452U01	1534
51T43453U01	1499
51T44157U01	1579
51T44262U01	1468
51T44774P01	1290
51T44795P01	1260
51T44795P02	1261
51T403389U01	4013B
51X13753A03	1161
51X13753A04	1162
51X13753A05	1250
51X13753A06	1173
51X13753A07	712
51X13753A08	1168
51X13753A09	712
51X13753A11	712
51X13753A20	1176§
51X13753A22	1410
51X13753A23	1415
51X13753A24	1299
51X13753A25	1406
51X13753A27	1437
51X13753A37	1682
51X13753A53	1669
51X13753A60	1401
51X13753A67	1373
51X13753A68	1663
51X13753A69	1726
51X90266A14	778A
51X90266A22	1560
51X90266A45	928M
51X90266A54	778A
51X90266A72	1623
51X90305A20	1123
51X90305A21	1263
51X90305A22	1264
51X90305A23	1265
51X90305A24	1266
51X90305A25	1267
51X90305A26	1268
51X90305A27	1269
51X90305A28	1223
51X90305A34	1408
51X90305A37	1427
51X90305A39	1405
51X90305A40	1428
51X90305A41	1425
51X90305A43	1412
51X90305A44	1419
51X90305A45	1622
51X90305A46	9402
51X90305A59	615A
51X90305A61	712
51X90305A62	1408
51X90305A65	1439
51X90305A66	1450
51X90305A69	1444
51X90305A73	1421
51X90305A78	1248
51X90305A79	1224
51X90305A82	1442
51X90305A83	1249
51X90305A88	1615
51X90305A91	712
51X90305A92	1587
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51X90433A28	1414
51X90433A32	1428
51X90433A33	1400
51X90433A34	1422
51X90433A35	1419
51X90433A52	1620
51X90433A53	1607
51X90433A54	1234
51X90433A57	1060
51X90433A60	1162
51X90458A05	1314
51X90458A06	1613
51X90458A07	834
51X90458A09	4011B
51X90458A30	1440
51X90458A37	1452
51X90458A50	1440
51X90458A51	712
51X90458A52	1295
51X90458A55	1546
51X90458A56	1427
51X90458A67	1659
51X90458A70	1060
51X90458A71	1618
51X90458A72	1610
51X90458A75	1629
51X90458A78	1270
51X90458A80	1625
51X90458A81	1700
51X90458A82	1568
51X90458A83	778A
51X90458A84	778A
51X90458A85	4012B
51X90458A86	4025B
51X90458A87	4049
51X90458A88	4066B
51X90458A89	4078B
51X90458A90	4528B
51X90458A93	834
51X90458A94	834
51X90458A95	7416
51X90458A96	7406
51X90458A98	962
51X90480A07	960
51X90480A08	960
51X90480A09	1563
51X90480A11	4011B
51X90480A12	4011B
51X90480A13	4012B
51X90480A14	4025B
51X90480A15	4049
51X90480A16	4066B
51X90480A17	4078B
51X90480A18	40097B
51X90480A20	1409
51X90480A31	1529
51X90480A32	1718
51X90480A33	1609
51X90480A46	962
51X90480A51	1425
51X90480A52	1439
51X90480A56	1410
51X90480A57	1410
51X90480A64	1551
51X90480A65	1727
51X90480A66	966
51X90480A87	1367
51X90480A92	1705
51X90480A93	1629
51X90480A94	1231
51X90480A95	1546
51X90480A96	1674
51X90495A17	7406
51X90495A88	1747
51X90495A90	1683
51X90495A91	7416
51X90507A20	1234
51X90507A24	962
51X90507A28	1715
51X90507A39	928M
51X90507A40	928M
51X90507A46	1689
51X90507A60	1630
51X90507A71	1659
51X90507A77	1710
51X90507A78	1712
51X90507A80	1713
51X90507A83	1715
51X90507A84	4001B
51X90507A85	4071B
51X90507A87	1628
51X90507A92	4015B
51X90507A93	4024B
51X90507A97	4002B
51X90507A98	4012B
51X90507A99	4069
51X90508A35	9403
51X90518A07	960
51X90518A08	4040B
51X90518A09	1704
51X90518A10	1659
51X90518A11	1217
51X90518A19	1711
51X90518A28	4528B
51X90518A34	40097B
51X90518A36	4011B
51X90518A49	960
51X90518A54	1682
51X90518A69	955M
51X90518A71	2079
51X90518A84	1435
51X90528A01	928M
51X90528A21	1367
51X90528A26	986
51X90528A27	1747
51X90528A28	1683
51X90528A29	966
51X90528A32	834
51X90528A35	1176§
51X90528A36	1546
51X90528A39	986
51X90528A41	1742
51X90528A49	960
51X90528A80	778A
51X90538A18	4027B
51X90538A22	966
51X90538A24	1561
51X90538A89	960
51X90544A55	1729
51X90555A53	1683
51X90555A60	4053B
51Z6	5111A
51Z6A	5111A
52-010-106-0	294
52-010-109-0	288
52-010-120-0	232
52-010-151-0	282§
52-020-108-0	123A
52-020-114-0	85
52-020-115-2	85
52-020-158-0	123A
52-020-166-0	229
52-020-167-0	229
52-020-168-0	199
52-020-169-0	229
52-020-173-0	299
52-020-189-0	85
52-020-189-1	85
52-020-195-0	85
52-020-201-0	229
52-020-203-0	85
52-025-004-0	390
52-025-006-0	152
52-025-012-0	293
52-025-012-1	293
52-025-012-2	293
52-040-009-0	1003
52-040-010-0	1006
52-040-015-0	1135
52-040-025-0	1195
52-040-025-1	1195
52-040-027-0	4011B
52-040-036-1	788
52-040-048-0	801
52-040-049-0	1194
52-040-051-0	1290
52-040-057-0	1543
52-040-067-0	1293
52-040-068-0	1458
52-045-001-0	1000
52-050-009-0	612
52-050-021-0	109
52-051-004-0	109
52-051-008-0	109
52-051-009-0	612
52-051-017-0(Silicon)	177
52-051-017-0(Germanium)	109
52-051-022-0	177
52-051-024-0	519
52-052-004-0	110MP
52-053-005-0	147A
52-053-013-0	139A
52-053-017-0	139A
52-053-019-0	5011A
52-053-030-0	140A
52-054-037-0	116
52-054-041-0	116
52-062-007-0	601
52-4	157
52-9(AOC)	116
52A011	116
52A011-1	125
52A4	177
52A15	109
52A26	137A
52BBIA	116
52C04	102A
52D189	158
52DS-18	116
52HQ030	6094
52HQ035	6094
52HQ040	6094
52HQ045	6094
52SD1	116
52ST-2SD467C	85
52ST-JE9018H	108
52TA7611AP-S	1413
52Z6	5173A
52Z6A	5173A
53-0051-2	116
53-0082-3	125
53-0082-1003	117A
53-0086-1	116
53-0088-1	116
53-0088-2	117A
53-0088-3	125
53-0088-1002	125
53-0088-1003	125
53-0088-1004	125
53-0094-1	116
53-0095-1	116
53-0098-1	116
53-0099-1	116
53-0099-3	116
53-0099-4	116
53-0106-1	116
53-0106-1001	125
53-0109-1	116
53-0111-1	117A
53-0111-1001	125
53-0113-1	116
53-0119-1	503
53-0120-1	116
53-0122-1	117A
53-0132-1	118
53-0136T	125
53-1086	116
53-1110	123A
53-1173	172A
53-1362	186
53-1487	1113
53-1516	159
53-1517	5455
53-1519	109
53-1967	186
53A001-1	109
53A001-2	110MP
53A001-3	116
53A001-4	125
53A001-5	5071A
53A001-9	116
53A001-10	142A
53A001-12	116
53A001-32	177
53A001-33	144A
53A001-34	125
53A001-35	116
53A001-36	177
53A002-1	116
53A006-1	109
53A008-1	109
53A009-1	113A
53A0081	109
53A010-1	116
53A014-1	506
53A015-1	506
53A017-1	506
53A018-1	178MP
53A019-1	177
53A020-1	177
53A022-2	109
53A022-3	178MP
53A022-4	116
53A022-5	506
53A022-6	139A
53A022-7	139A
53A022-10	502
53A030-1	177
53A-1-0137(Stern)	159
53B001-1	109
53B001-2	109
53B001-3	109
53B001-5	116(2)
53B001-6	116
53B001-7	177
53B003-1	116
53B003-2	116(2)
53B004-1	109
53B005-2	109
53B007-1	109
53B008-1	112
53B010-1	109
53B010-2	109
53B010-3	116
53B010-4	116
53B010-5	156
53B010-6	177
53B010-7	110MP
53B010-8	506
53B010-9	507
53B011-1	116(3)
53B011-2	116
53B011-3	118
53B012-1	165
53B013-1	177
53B014-1	177
53B015-1	138A
53B018-1	166
53B019-1	502
53B019-2	116
53B019-3	113A
53B020-2	116
53C001-1	109
53C001-3	177
53C001-6	112
53C001-7	125(2)
53C001-8	125(2)
53C001-10	5013A
53C001-17	519
53C001-19	109
53C002-1	169
53C003-1	116
53C005-3	116
53C006-1	109
53C006-2	109
53C006-52	109
53C007-1	116
53C008-1	178MP
53C009-1	116
53C009-2	109
53C011-4	502
53C012-1	116
53C013-1	134A
53C014-1	116
53C015-1	116
53C016-1	116
53C017-1	116
53C020-1	109
53C021-1	169
53C022-1	116
53CD01-1	109
53D001-4	177
53D001-7	116
53D001-8	177
53D002-1	109
53D002-2	109
53D003-1	116
53D003-2	116
53E001-1	109
53E003-1	109

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53E003-2	177
53E006-1	109
53E010-1	116
53E011-1	166
53E011-2	137A
53F001-1	116
53F002-1	116
53H001-1	116
53H001-2	109
53J001-1	156
53J002-1	156
53J002-2	117A
53J003-1	116
53J003-2	177
53J004-1	137A
53J004-2	143A
53J004-3	138A
53K001-2	109
53K001-4	5070A
53K001-5	109
53K001-6	116
53K001-7	116
53K001-8	116
53K001-9	117A
53K001-11	116
53K001-14	139A
53K001-15	614
53K001-17	614
53K001-18	5018A
53K001-19	109
53K001-20	109
53L001-5	506
53L001-10	109
53L001-14	506
53L001-15	177
53N001-2	116
53N001-3	116
53N001-4	5080A
53N001-5	177
53N001-7	109
53N001-9	5081A
53N002-2	116
53N003-1	109
53N003-2	109
53N003-3	110MP
53N004-5	109
53N004-6	109
53N004-7	116
53N004-8	116
53N004-9	116
53N004-10	110MP
53N004-11	109
53N004-12	177
53N004-14	109
53N49	105
53P151	123
53P153	121
53P157	102
53P158	123
53P159	123
53P161	123
53P162	123
53P163	123
53P165	123
53P166	129
53P169	128
53P170	129
53SZ-BZ-110	5074A
53SZ-HZ9B3	5018A
53SZ-RD11FB	5074A
53T001-1	109
53T001-3	116
53T001-4	109
53T001-5	109
53T001-6	109
53T001-7	177
53U001-1	109
53U001-2	177
53V001-2	109
53W001-2	614
53W001-5	177
53W001-6	116
53W001-7	519
53Y001-0	116
53Y001-1	116
53Z6	5174A
53Z6A	5174A
54	108
54-1	123A
54A	123A
54B	123A
54BLK	108
54BLU	123A
54BRN	108
54C	123AP
54D	123AP
54E	287
54F	123A
54GRN	123A
54ORN	108
54RED	108
54SI-TA7075P	1080
54ST-2SC1815Y(AU)E	85
54V001-2	109
54WHT	123A
54YEL	123A
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54Z6A	5175A
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55-0014	OBS-NLA
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55-1031	158
55-1032	103A
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55-1082	123A
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55C120F	5579
55P2	126A
55P3	126A
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55Z6A	5176A
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56-45	5079A
56-46	139A
56-47	146A
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56-63	5071A
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56-71	5071A
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56-76	5084A
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56-79	5084A
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56-602	109
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56-4829	199
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56-4831	294
56-4832	177
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56-4839	116
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56-8087C	107
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56-8088C	107
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56-8091C	102A
56-8091D	102A
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56-8092A	102A
56-8092B	102A
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56-8098C	159
56-8099	158
56-8100	103A
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56-8100B	103A
56-8100C	103A
56-8100D	103A
56-8101	158
56-8196	199
56-8197	199
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56-8199	116
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56A-1-4053(Stern)	4053B
56A-1-7401(Stern)	7401
56A-1-7406(Stern)	7406
56A-1-7474(Stern)	7474
56A-1-LS02(Stern)	74LS02
56A-1-LS04(Stern)	74LS04
56A-1-LS08(Stern)	74LS08
56A-1-LS10(Stern)	74LS10
56A-1-LS14(Stern)	74LS14
56A-1-LS20(Stern)	74LS20
56A-1-LS27(Stern)	74LS27
56A-1-LS32(Stern)	74LS32
56A-1-LS74(Stern)	74LS74A
56A-1-LS75(Stern)	74LS75
56A-1-LS86(Stern)	74LS86
56A-1-LS109(Stern)	74LS109A
56A-1-LS139(Stern)	74LS139
56A-1-LS153(Stern)	74LS153
56A-1-LS155(Stern)	74LS155
56A-1-LS161(Stern)	74LS161A
56A-1-LS244(Stern)	74LS244
56A-1-LS257(Stern)	74LS257
56A-1-LS273(Stern)	74LS273
56A-1-LS367(Stern)	74LS367
56A-1-S001(Stern)	3880
56A-2-0339(Stern)	834
56A-2-0555(Stern)	955M
56A-2-1458(Stern)	778A
56A-2-2002(Stern)	1232
56A-2-3340(Stern)	829
56A3-1	712
56A4-1	714
56A5-1	715
56A-5-7812(Stern)	966
56A-5-7815(Stern)	968
56A-5-7905(Stern)	961
56A6-1	790
56A-6-2114(Stern)	2114
56A-6-S001(Stern)	2104
56A7-1	147A
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56A24-1	793
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56A49-2	854§
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56A141-1	1743
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56B3-1	712
56B4-1	714
56B5-1	715
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56P2	160
56P3	160
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56R-114-72	109
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56R-114-77	451
56R-114-78	107
56R-114-79	85
56R-114-80	289A
56R-114-81	85
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56ST-MJE9742	157
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56SZ-WZ120(AU)	5021A
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57-0005452	123A
57-0005503	123A
57-000901504	123A
57-01491-B	123A
57-01491-C	128
57-01494C	128
57-1	116
57-2	116
57-6	116
57-12	116
57-13	116
57-15	116
57-17	116
57-18	5980
57-20	116
57-21	116
57-22	116
57-23	116
57-24	116
57-25	117A
57-26	117A
57-27	116
57-28	116
57-29	117A
57-31	116
57-32	113A
57-33	116
57-38	116(3)
57-39	5524
57-42	156
57-42A	156
57-43	117A
57-46	116
57-49	117A
57-52	173BP§
57-55	5402
57-56	173BP§
57-58	116
57-59	116
57-60	116
57-61	231
57-62	230
57-64	125
57-65	116
57-83	532
57-90	530
57-98	530
57-100(MAG-Zener)	5019A
57-100(NAP-Zener)	5019A
57-110(NAP-Zener)	5020A
57-120	5021A
57-120(MAG-Zener)	5021A
57-160(MAG-Zener)	5025A
57-200(NAP-Zener)	5029A
57-220(NAP-Zener)	5030A
57-249(NAP-Zener)	5000A
57-330(MAG-Zener)	5036A
57-439(MAG-Zener)	5008A
57-439(NAP-Zener)	5008A
57-569(MAG-Zener)	5011A
57-629(NAP-Zener)	5013A
57-689(MAG-Zener)	5014A
57-829(MAG-Zener)	5016A
57-4015-27	102A
57-4015-28	158
57-4018-60	130
57A1-1	109
57A1-2	109
57A1-3	103A
57A1-4	103A
57A1-5	103A
57A1-6	103A
57A1-7	158
57A1-8	102A
57A1-9	160
57A1-10	160
57A1-11	102
57A1-12	160
57A1-13	160
57A1-14	102A
57A1-15	160
57A1-16	160
57A1-17	158
57A1-18	158
57A1-19	158
57A1-20	158
57A1-21	158
57A1-22	160
57A1-23	102A
57A1-24	160
57A1-25	160
57A1-26	102A
57A1-27	102A
57A1-28	102A
57A1-29	OBS-NLA
57A1-30	160
57A1-31	160
57A1-32	160
57A1-33	160
57A1-34	102A
57A1-35	160
57A1-36	160
57A1-37	160
57A1-38	158
57A1-40	102A
57A1-41	160
57A1-42	158
57A1-43	102A
57A1-44	102A
57A1-45	160
57A1-46	160
57A1-47	160

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
57A1-48	160
57A1-49	160
57A1-50	160
57A1-51	123A
57A1-52	106
57A1-53	102A
57A1-54	109
57A1-56	158
57A1-57	160
57A1-58	102A
57A1-59	102A
57A1-60	158
57A1-61	160
57A1-62	109
57A1-63	117A
57A1-64	109
57A1-65	112
57A1-66	102A
57A1-67	160
57A1-68	102A
57A1-69	160
57A1-70	102A
57A1-71	102A
57A1-72	160
57A1-73	160
57A1-74	160
57A1-75	123A
57A1-76	159
57A1-76A	159
57A1-77	158
57A1-78	103A
57A1-79	102A
57A1-80	160
57A1-81	160
57A1-82	102A
57A1-83	102A
57A1-84	160
57A1-85	160
57A1-86	160
57A1-87	160
57A1-89	160
57A1-90	102A
57A1-91	102A
57A1-92	102A
57A1-93	102A
57A1-94	160
57A1-95	102A
57A1-96	160
57A1-97	102A
57A1-98	160
57A1-99	160
57A1-100	160
57A1-101	160
57A1-102	160
57A1-103	160
57A1-104	102A
57A1-105	102A
57A1-106	102A
57A1-107	160
57A1-108	160
57A1-109	160
57A1-110	160
57A1-111	102A
57A1-112	160
57A1-113	160
57A1-114	160
57A1-115	160
57A1-116	102A
57A1-117	102A
57A1-118	102A
57A1-119	121
57A1-120	160
57A1-121	102A
57A1-122	154
57A1-123	123A
57A1-124	123A
57A2-1	126A
57A2-15	102A
57A2-19	126A
57A2-22	160
57A2-23	102A
57A2-24	102A
57A2-25	158
57A2-26	160
57A2-27	123A
57A2-28	123A
57A2-29	102A
57A2-30	160
57A2-31	160
57A2-32	102A
57A2-33	102A
57A2-34	102A
57A2-35	160
57A2-36	102A
57A2-37	160
57A2-38	128
57A2-39	102A
57A2-40	160
57A2-41	160
57A2-42	160
57A2-43	102A
57A2-44	102A
57A2-45	102A
57A2-46	102A
57A2-47	175
57A2-48	160
57A2-49	103A + 102A(CP)
57A2-50	160
57A2-51	160
57A2-52	102A
57A2-58	175
57A2-59	123A
57A2-60	102A
57A2-61	158
57A2-62	123A
57A2-63	123A
57A2-64	123A
57A2-65	160
57A2-66	160
57A2-67	160
57A2-68	160
57A2-70	159
57A2-70A	159
57A2-71	159
57A2-71A	159
57A2-72	102A
57A2-73	123A
57A2-75	160
57A2-77	160
57A2-78	102A
57A2-80	160
57A2-83	102A
57A2-84	175
57A2-85	123A
57A2-87	123A
57A2-88	102A
57A2-89	160
57A2-90	160
57A2-93	160
57A2-97	123A
57A2-101	123A
57A2-102	123A
57A2-103	123A
57A2-104	160
57A2-105	160
57A2-113	123A
57A2-116	123A
57A2-126	123A
57A2-149	160
57A2-153	123A
57A2-157	160
57A2-158	160
57A2-159	160
57A2-192	123A
57A2.4	102A
57A3-1	123A + 159(CP)
57A3-2	123A + 159(CP)
57A3-3	103A + 102A(CP)
57A3-4	102A
57A3-5	102A
57A3-6	102A
57A3-7	104MP
57A3-8	104MP
57A3-9	104MP
57A3-10	104MP
57A3-11	104MP
57A3-12	121MP
57A3-13	123A + 159(CP)
57A4-1	121
57A4-2	121
57A4-4	121
57A5	103
57A5-1	126A
57A5-2	126A
57A5-3	102A
57A5-4	126A
57A5-5	102A
57A5-6	108
57A5-7	108
57A5-8	108
57A5-9	126A
57A5-10	126A
57A6(PNP)	102
57A6(NPN)	199
57A6-1	102
57A6-2	121
57A6-3	121
57A6-4	123A
57A6-5	103A
57A6-6	103
57A6-6A	100
57A6-6B	100
57A6-6C	100
57A6-7	123
57A6-8	121
57A6-9	123A
57A6-10	124
57A6-11	123A
57A6-12	121
57A6-14	124
57A6-15	129
57A6-16	126A
57A6-17	123
57A6-18	123A + 159(CP)
57A6-19(Diode)	120
57A6-19(Transistor)	123
57A6-20	103A
57A6-21	103A
57A6-22	102
57A6-23	121
57A6-24	124
57A6-25	102A
57A6-26	129
57A6-26A	129
57A6-27	123
57A6-28	123A + 159(CP)
57A6-29	123
57A6-30	123
57A6-31	129
57A6-31A	129
57A6-32	123
57A6-33	129
57A6-33A	129
57A6-34	129 + 128(CP)
57A7-1	108
57A7-2	108
57A7-3	108
57A7-4	108
57A7-5	108
57A7-6	108
57A7-7	108
57A7-8	128
57A7-9	123A
57A7-10	123A
57A7-15	123A
57A7-17	123A
57A7-18	123A
57A7-20	123A
57A9-1	160
57A9-2	121
57A10-1	108
57A10-2	108
57A10A-8-6	108
57A11-1	123A
57A12-1	154
57A12-2	154
57A12-3	175
57A12-4	128
57A12-5	175
57A14-1	128
57A14-2	128
57A14-3	128
57A15-1	123A
57A15-2	123A
57A15-3	123A
57A15-4	123A
57A15-5	159
57A15-50	159
57A16	126A
57A16-1	123A
57A19	159
57A19-1	159
57A19-1A	159
57A19-2	159
57A19-3	159
57A19-10	159
57A19-20	159
57A19-30	159
57A20-1	108
57A21	107
57A21-1	108
57A21-2	108
57A21-3	108
57A21-4	108
57A21-5	108
57A21-6	108
57A21-7	108
57A21-8	123A
57A21-9	108
57A21-10	108
57A21-12	107
57A21-13	107
57A21-14	107
57A21-15	108
57A21-16	161
57A21-17	161
57A21-18	161
57A21-45	107
57A22-1	179
57A22-2	179
57A23	129
57A23-1	129
57A23-2	129
57A23-3	129
57A24	161
57A24-1	123A
57A24-2	123A
57A24-3	123A
57A24-4	123A
57A27-1	123A
57A27-2	108
57A28	704
57A29	706
57A29-1	706
57A29-2	706
57A31-1	312
57A31-4	312
57A32-1	724
57A32-2	1142
57A32-3	1039
57A32-10	722
57A32-11	1075A
57A32-16	722
57A32-19	1103
57A32-21	799
57A32-22	720
57A32-25	1124
57A32-27	1124
57A32-28	1142
57A32-29	1142
57A32-32	801
57A33-1	123A + 159(CP)
57A68	102A
57A100-3	103A + 102A(CP)
57A100-5	103A + 102A(CP)
57A100-7	102A
57A100-11	131
57A100-385	103A + 102A(CP)
57A101-4	108
57A102-4	161
57A103-4	161
57A104-1	154
57A104-2	154
57A104-3	154
57A104-4	154
57A104-5	154
57A104-6	154
57A104-7	154
57A104-8	154
57A104-8-6	128
57A105-12	123A
57A106-12	159
57A107-1	1545
57A107-2	108
57A107-3	108
57A107-4	108
57A107-5	108
57A107-6	108
57A107-8	108
57A108-1	106
57A108-2	106
57A108-3	106
57A108-4	106
57A108-5	106
57A108-6	106
57A108-6-8	129
57A108-6A	159
57A108-7	106
57A108-8	106
57A109-9	128
57A110-9	129
57A111-9	129 + 128(CP)
57A112-9	129
57A112-9A	129
57A113-9	128
57A114-9	129
57A114-9A	129
57A115-9	129
57A115-9A	129
57A116-9	129
57A116-9A	129
57A117-9	123A
57A118-12	123A
57A119-2	161
57A119-12	123A
57A120-12	123A
57A121-9	123A
57A122-9	129
57A122-9A	159
57A123-10	175
57A124-10	104
57A125-9	123A
57A126	102
57A126-12	107
57A127	157
57A128-9	128
57A129-9	128
57A130	126A
57A130-9	129
57A130-9A	159
57A131	126A
57A131-10	128
57A132	126A
57A132-9	160
57A132-10	129
57A132-29	1142
57A133-12	159
57A134-12	108
57A135-12	123A
57A136-1	154
57A136-2	154
57A136-3	154
57A136-4	154
57A136-5	154
57A136-6	154
57A136-7	154
57A136-8	154
57A136-9	154
57A136-10	154
57A136-11	154
57A136-12	123A
57A137-12	159
57A137-12A	159
57A138-4	319P
57A138-4(3RD IF)	233
57A138-4(Last IF)	233
57A138-4-6	319P
57A139-1	161
57A139-2	161
57A139-3	161
57A139-4	319P
57A139-4-6	108
57A140-12	123A
57A141-1	108
57A141-2	108
57A141-3	108
57A141-4	161
57A142-1	108
57A142-2	199
57A142-3	108
57A142-4	233
57A142-4(3RDIF)	233
57A142-7	161
57A143	102
57A143-1	108
57A143-2	108
57A143-3	108
57A143-4	108
57A143-5	108
57A143-6	108
57A143-7	108
57A143-8	108
57A143-9	108
57A143-10	108
57A143-11	108
57A143-12	199
57A144-12	199
57A145-12	159
57A145-12A	159
57A146-12	108
57A147-12	159
57A147-12A	159
57A148-1	102A
57A148-2	129
57A148-3	129
57A148-4	129
57A148-5	129
57A148-6	129
57A148-7	129
57A148-8	129
57A148-9	129
57A148-10	129
57A148-11	129
57A148-12	159
57A148-12A	129
57A149-12	312
57A150-12	312
57A151-6	108
57A152-1	123A
57A152-2	123A
57A152-3	123A
57A152-4	123A
57A152-5	123A
57A152-6	123A
57A152-7	123A
57A152-8	123A
57A152-9	123A
57A152-10	123A
57A152-11	123A
57A152-12	108
57A153-1	123A
57A153-2	123A
57A153-3	123A
57A153-4	123A
57A153-5	123A
57A153-6	123A
57A153-7	123A
57A153-8	123A
57A153-9	123A
57A155-10	175
57A156	128
57A156-9	123A
57A157	159
57A157-9	159
57A157-9A	159
57A157-90	159
57A158-1	124
57A158-2	124
57A158-3	124
57A158-5	124
57A158-6	124
57A158-7	124
57A158-8	124
57A158-9	124
57A158-10	124
57A159-12	159
57A159-12A	159
57A160-1	108
57A160-2	108
57A160-3	108
57A160-4	108
57A160-8	154
57A164-4	161
57A166-12	123A
57A167-9	192
57A168	126A
57A168-9	193
57A169	102
57A170	102
57A172-8	190
57A174-8	159
57A175-12	159
57A177-12	161
57A178-12	159
57A179-4	107
57A180	160
57A180-4	229
57A180-4(3RDIF)	233
57A181-12	123AP
57A182-12	123AP
57A183-11	154
57A184	160
57A184-1	123AP
57A184-12	123A
57A185-12	159
57A186	126A
57A186-11	165
57A186-12	165
57A187	160
57A187-12	291
57A188	160
57A188-12	292
57A189	102
57A189-8	159
57A191-12	123A
57A192-10	124
57A192-11	171
57A193-11	171
57A194-11	154
57A194-11(Pulse)	154
57A194-12	5404
57A195-10	124
57A196-10	94
57A197-12	159
57A198-11	165
57A199-4	123A
57A199-11	165
57A200-12	123A
57A201-13	123A
57A201-14	159
57A202-13	123A
57A203-14	123A
57A204-14	123A
57A205-14	375
57A206-14	398
57A207-8	154
57A208-8	171
57A211-8	190
57A213-11	165
57A214-12	188
57A215-12	159
57A216-12	159
57A219-14	289A
57A220-14	290A
57A235-12	159
57A236-11	171
57A240-14	290A
57A241-14	289A
57A243-10	5404
57A244-14	196
57A245-14	197
57A249-4	161
57A250-14	152
57A251-14	197
57A252-1	123A
57A253-14	123A
57A256-10(Horiz.)	283
57A256-10(REG)	94
57A258-8	159
57A259-10	5404
57A261-10	154
57A263-11	238
57A265-4	123A
57A267-4	222
57A268-9	123A
57A273-14	263
57A274-14	262
57A277-14	398
57A278-14	375
57A279-4	376
57A279-14	376
57A280-14	289A
57A281-14	159
57A282-12	123A
57A283-11	154
57A285-10	5609
57A286-10	152
57A287-10	152
57A288-10	153
57A289-10	152
57A290-12	312
57A294-12	123AP
57A295-8	171
57A296-10	375
57A302-10	283
57A303-10	152
57A305-12	159
57A309-12	461
57A310-14	292
57A311-14	291
57A312-11	171
57A313-11	165
57A315-10	197
57A401-11	379
57A402-4	161
57A402-L	107
57A403-12	159
57A404-12	297
57A405-12	298
57A413-1	287
57A418-10	86
57A419-GR	85
57A419-GY	85
57A419-P	85
57A419-P-Q	85
57A419-Q	85
57A419-Y	85
57A420-GR	290A
57A420-P-Q	290A
57A420-Q	290A
57A421-11	379
57A422-8	399
57A423-8	255
57A423-8(Plastic)	399
57A424-11	89
57A428-8	375
57A428-12	375
57A428-12P	375
57A429-8	398
57A429-12	398
57A429-12P	398
57A433-1	100
57A434-1	123A
57A458-Q	290A
57A459-Y	399
57A460-11	2302
57A460-12	2302
57A485-1	398
57A493-10	287
57A1127	102A
57A1130	160
57A1131	160
57A1132	160
57A1143	102A
57A1186	160
57A2141-14	128
57B2-1	160
57B2-2	160
57B2-3	158
57B2-4	158
57B2-5	103
57B2-6	102A
57B2-7	158
57B2-8	103A
57B2-9	160
57B2-10	158
57B2-11	160
57B2-12	102A
57B2-13	160
57B2-14	160
57B2-15	158
57B2-16	158
57B2-17	160
57B2-18	160
57B2-19	160
57B2-20	160
57B2-21	158
57B2-22	160
57B2-23	102A
57B2-24	102A
57B2-25	158
57B2-26	160
57B2-27	123A
57B2-28	123A
57B2-29	102A
57B2-30	160
57B2-31	160
57B2-32	102A
57B2-33	102A(2)
57B2-34	102A
57B2-35	160
57B2-36	102A
57B2-37	160
57B2-38	128
57B2-39	102A
57B2-40	160
57B2-41	160
57B2-42	160
57B2-43	102A
57B2-44	102A
57B2-45	102A
57B2-46	102A(2)
57B2-47	175
57B2-48	160
57B2-49	103A + 102A(CP)
57B2-50	160
57B2-51	160
57B2-52	102A
57B2-58	175
57B2-59	123A
57B2-60	102A
57B2-61	158(2)
57B2-62	123A
57B2-63	123A
57B2-64	123A
57B2-65	160
57B2-66	160
57B2-67	160
57B2-68	160
57B2-70	159
57B2-70A	159
57B2-71	159
57B2-71A	159
57B2-72	102A
57B2-73	123A
57B2-75	160
57B2-77	160
57B2-78	102A
57B2-80	160
57B2-83	102A
57B2-84	175
57B2-85	123A
57B2-87	123A
57B2-88	102A
57B2-89	160
57B2-90	160
57B2-93	160
57B2-97	123A
57B2-101	123A
57B2-102	123A
57B2-103	123A
57B2-104	160
57B2-105	160
57B2-113	123A
57B2-116	123A
57B2-126	123A
57B2-149	160
57B2-153	123A
57B2-157	160
57B2-158	160
57B2-159	160
57B2-192	123A
57B3-2	123A + 159(CP)
57B3-4	102A
57B3-5	102A
57B3-6	102A
57B3-7	104MP
57B3-8	104MP
57B3-9	104MP
57B3-10	104MP
57B3-11	104MP
57B3-12	121MP
57B4-1	121
57B4-2	121
57B4-4	121
57B6	102
57B21	108
57B21-1	108
57B21-2	108
57B21-3	108
57B21-4	108
57B21-5	108
57B21-6	161
57B21-7	161
57B21-9	107
57B21-12	108
57B21-13	108
57B21-14	108
57B21-15	108
57B21-16	108
57B21-17	161
57B21-18	108
57B100-3	103A + 102A(CP)
57B100-5	103A + 102A(CP)
57B100-7	102A
57B100-11	131
57B100-385	103A + 102A(CP)
57B101-4	108
57B102-4	161
57B103-4	161
57B104-8	154
57B105-12	123A
57B106-12	159
57B107-1	1545
57B107-8	123A

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
57B108-6	159
57B108-6A	159
57B109-9	128
57B110-9	129
57B111-9	129 + 128(CP)
57B112-9	129
57B112-9A	129
57B113-9	128
57B114-9	129
57B114-9A	129
57B115-9	129
57B115-9A	129
57B116-9	129
57B116-9A	129
57B117-9	123A
57B118-12	123A
57B119-2	161
57B119-12	123A
57B120-12	123A
57B121-9	123A
57B122-9	159
57B122-9A	159
57B123-10	175
57B124-10	104
57B125-9	123A
57B126-12	123A
57B128-9	128
57B129-9	123A
57B130-9	159
57B130-9A	159
57B131-10	152
57B132-10	153
57B133-12	159
57B134-12	108
57B135-12	123A
57B136-1	154
57B136-2	154
57B136-3	154
57B136-4	154
57B136-5	154
57B136-6	154
57B136-7	154
57B136-8	154
57B136-9	154
57B136-10	154
57B136-11	154
57B136-12	123A
57B137-12	159
57B137-12A	159
57B138-4	319P
57B138-4(Last IF)	233
57B139-4	319P
57B140-12	123A
57B141-1	108
57B141-2	108
57B141-3	108
57B141-4	161
57B142-1	108
57B142-2	108
57B142-3	108
57B142-4	233
57B143-1	108
57B143-2	108
57B143-3	108
57B143-4	108
57B143-5	108
57B143-6	108
57B143-7	108
57B143-8	108
57B143-9	108
57B143-10	108
57B143-11	108
57B143-12	123A
57B144-12	123A
57B145-12	159
57B145-12A	159
57B146-12	123A
57B147-12	159
57B147-12A	159
57B148-1	129
57B148-2	129
57B148-3	129
57B148-4	129
57B148-5	129
57B148-6	129
57B148-7	129
57B148-8	129
57B148-9	129
57B148-10	129
57B148-11	129
57B148-12	129
57B148-12A	129
57B149-12	312
57B150-12	312
57B151-6	108
57B152-1	123A
57B152-2	123A
57B152-3	123A
57B152-4	123A
57B152-5	123A
57B152-6	123A
57B152-7	123A
57B152-8	123A
57B152-9	123A
57B152-10	123A
57B152-11	123A
57B152-12	108
57B153-1	123A
57B153-2	123A
57B153-3	123A
57B153-4	123A
57B153-5	123A
57B153-6	123A
57B153-7	123A
57B153-8	123A
57B153-9	123A
57B155-10	175
57B156-9	123A
57B157-9	159
57B157-9A	159
57B158-1	124
57B158-2	124
57B158-3	124
57B158-4	124
57B158-5	124
57B158-6	124
57B158-7	124
57B158-8	124
57B158-9	124
57B158-10	175
57B159-12	159
57B159-12A	159
57B160-1	108
57B160-2	108
57B160-3	108
57B160-4	108
57B160-5	108
57B160-6	108
57B160-7	108
57B160-8	108
57B163-12	129
57B163-12A	129
57B165-11	128
57B166-12	108
57B167-9	128
57B168	102A
57B168-9	129
57B169	102A
57B169-12	312
57B170	102A
57B170-9	128
57B171-9	129
57B172-8	190
57B175-9	130
57B175-9A	130
57B175-12	159
57B178-12	159
57B179-4	107
57B180	160
57B180-4	233
57B181-12	123AP
57B182-12	123A
57B184	160
57B184-1	123AP
57B184-12	123A
57B185-12	159
57B186-11	238
57B187	160
57B187-12	291
57B188	160
57B188-12	292
57B189-8	159
57B191-12	123A
57B192-10	124
57B193-11	171
57B194-11	123A
57B194-12	154
57B195-10	124
57B196-10	94
57B197-12	159
57B198-11	165
57B199-11	165
57B200-12	123A
57B201-14	159
57B202-13	123A
57B203-14	199
57B205-14	375
57B206-14	398
57B207-8	154
57B208-8	171
57B211-8	190
57B213-11	165
57B214-12	188
57B215-12	159
57B216-12	159
57B219-14	289A
57B220-14	290A
57B235-12	159
57B236-11	171
57B240-14	290A
57B241-14	289A
57B243-10	5404
57B244-14	196
57B245-14	197
57B249-4	161
57B250-14	152
57B251-14	197
57B253-14	123A
57B256-10	94
57B258-8	159
57B261-10	154
57B263-11	238
57B265-4	123A
57B267-4	222
57B268-4	123A
57B268-9	123A
57B273-14	263
57B274-14	262
57B277-14	398
57B278-14	375
57B279-4	376
57B279-14	376
57B280-14	289A
57B281-14	290A
57B282-12	123A
57B283-11	154
57B285-10	5609
57B286-10	152
57B287-10	152
57B288-10	197
57B289-10	152
57B290-12	312
57B295-8	171
57B296-10	375
57B302-10	153
57B303-10	152
57B310-14	398
57B311-14	375
57B315-10	197
57B316-10	86
57B402-4	107
57B402-L	107
57B413-1	287
57B418-10	86
57B419-GR	85
57B419-GY	85
57B419-P	85
57B419-P-Q	85
57B419-Q	85
57B419-Y	85
57B420-GR	290A
57B420-P-Q	290A
57B420-Q	290A
57B421-11	379
57B422-8	399
57B423-8	255
57B423-8(Plastic)	399
57B424-11	89
57B428-8	375
57B428-12	375
57B428-12P	398
57B429-8	398
57B429-12	398
57B429-12P	398
57B433-1	100
57B434-1	123A
57B458-Q	290A
57B459-Y	399
57B460-11	2302
57B460-12	2302
57B485-1	398
57B493-10	287
57B1127	102A
57B1130	160
57B1131	160
57B1143	102A
57B1186	160
57C5	103
57C5-1	126A
57C5-3	102A
57C5-4	126A
57C5-5	102A
57C5-6	108
57C5-7	108
57C5-8	108
57C5-9	126A
57C5-10	126A
57C6	199
57C6-1	102
57C6-2	121
57C6-3	121
57C6-4	123A
57C6-5	103A
57C6-6	103
57C6-6A	100
57C6-6B	100
57C6-6C	100
57C6-7	123
57C6-8	121
57C6-9	123A
57C6-10	124
57C6-11	123A
57C6-12	121
57C6-14	124
57C6-15	129
57C6-16	126A
57C6-17	123
57C6-19	123
57C6-20	103A
57C6-21	103A
57C6-22	102
57C6-23	121
57C6-24	124
57C6-25	102A
57C6-26	129
57C6-26A	129
57C6-27	123
57C6-28	123A + 159(CP)
57C6-29	123
57C6-30	123
57C6-31	129
57C6-31A	129
57C6-32	123
57C6-33	129
57C6-33A	129
57C6-34	129 + 128(CP)
57C7-1	108
57C7-2	108
57C7-3	108
57C7-4	108
57C7-5	108
57C7-6	108
57C7-7	108
57C7-8	128
57C7-9	123A
57C7-10	123A
57C7-15	123A
57C7-17	123A
57C7-18	123A
57C7-20	123A
57C9-2	121
57C10-1	108
57C10-2	108
57C11-1	123A
57C12-1	154
57C12-2	154
57C12-3	175
57C12-4	128
57C12-5	175
57C14-1	128
57C14-2	128
57C14-3	128
57C15-1	123A
57C15-2	123A
57C15-3	123A
57C15-4	123A
57C15-5	159
57C15-50	159
57C16	126A
57C16-1	123A
57C19-1	159
57C19-1A	159
57C20-1	108
57C21	107
57C21-5	107
57C22-1	179
57C22-2	179
57C23	129
57C23-1	129
57C23-2	129
57C23-3	129
57C24-1	123A
57C24-2	123A
57C24-3	123A
57C24-4	123A
57C27-1	123A
57C27-2	108
57C28	704
57C29	706
57C29-1	706
57C29-2	706
57C68	102A
57C107-1	1545
57C109-9	128
57C110-9	129
57C121-9	123A
57C122-9	129
57C142-4	161
57C148-12	129
57C148-12A	129
57C156-9	123A
57C157-9	159
57C157-90	159
57C164-4	161
57C179-4	107
57C181-12	123AP
57C182-12	123AP
57C184-1	123AP
57C196-10	94
57C205-14	375
57C206-14	398
57C208-8	171
57C263-11	238
57C277-14	398
57C278-14	375
57C279-4	376
57C279-14	376
57C283-11	154
57C285-10	5609
57C296-10	375
57C402-L	107
57C413-1	287
57C418-10	86
57C419-GR	85
57C419-GY	85
57C419-P	85
57C419-P-Q	85
57C419-Q	85
57C419-Y	85
57C420-GR	290A
57C420-P-Q	290A
57C420-Q	290A
57C421-11	379
57C422-8	399
57C423-8	255
57C423-8(Plastic)	399
57C424-11	89
57C428-8	375
57C428-12	375
57C428-12P	375
57C429-8	398
57C429-12	398
57C429-12P	398
57C433-1	100
57C434-1	123A
57C458-O	290A
57C459-Y	399
57C460-11	2302
57C460-12	2302
57C485-1	398
57C493-10	287
57D1-1	109
57D1-2	109
57D1-3	103A
57D1-4	103A
57D1-5	103A
57D1-6	103A
57D1-7	158
57D1-8	102A
57D1-9	160
57D1-10	160
57D1-11	102
57D1-12	160
57D1-13	160
57D1-14	102A
57D1-15	160
57D1-16	160
57D1-17	158
57D1-18	158
57D1-19	158
57D1-20	158
57D1-21	158
57D1-22	160
57D1-23	102A
57D1-24	160
57D1-25	160
57D1-26	102A
57D1-27	102A
57D1-28	102A
57D1-30	160
57D1-31	160
57D1-32	160
57D1-33	160
57D1-34	102A
57D1-35	160
57D1-36	160
57D1-37	160
57D1-38	158
57D1-40	102A
57D1-41	160
57D1-42	158
57D1-43	102A
57D1-44	102A
57D1-45	160
57D1-46	160
57D1-47	160
57D1-48	160
57D1-49	160
57D1-50	160
57D1-51	123A
57D1-52	106
57D1-53	102A
57D1-54	109
57D1-55	123A + 159(CP)
57D1-56	158
57D1-57	160
57D1-58	102A
57D1-59	102A
57D1-60	158
57D1-61	160
57D1-62	109
57D1-63	117A
57D1-64	109
57D1-65	112
57D1-66	102A
57D1-67	160
57D1-68	102A
57D1-69	160
57D1-70	102A
57D1-71	102A
57D1-72	160
57D1-73	160
57D1-74	160
57D1-75	123A
57D1-76	159
57D1-76A	159
57D1-77	158
57D1-78	103A
57D1-79	102A
57D1-80	160
57D1-81	160
57D1-82	102A
57D1-83	102A
57D1-84	160
57D1-85	160
57D1-86	160
57D1-87	160
57D1-89	160
57D1-90	102A
57D1-91	102A
57D1-92	102A
57D1-93	102A
57D1-94	160
57D1-95	102A
57D1-96	160
57D1-97	102A
57D1-98	160
57D1-99	160
57D1-100	160
57D1-101	160
57D1-102	160
57D1-103	160
57D1-104	102A
57D1-105	102A
57D1-106	102A
57D1-107	160
57D1-108	160
57D1-109	160
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57D1-112	160
57D1-113	160
57D1-114	160
57D1-115	160
57D1-116	102A
57D1-117	102A
57D1-118	102A
57D1-119	121
57D1-120	160
57D1-121	102A
57D1-122	154
57D1-123	123A
57D1-124	123A
57D3-6	102
57D4-1	121
57D4-2	121
57D5-1	126A
57D5-2	126A
57D5-4	126A
57D6-4	123A
57D6-10	124
57D6-12	121
57D6-19	123
57D9-1	160
57D9-2	121
57D14-1	123A
57D14-2	123A
57D14-3	123A
57D19	159
57D19-1	159
57D19-2	159
57D19-3	159
57D19-10	159
57D19-20	159
57D19-30	159
57D24	161
57D24-1	108
57D24-2	108
57D24-3	108
57D29-2	706
57D68	102
57D107-1	1545
57D107-8	108
57D126	102
57D127	157
57D130	126A
57D131	126A
57D132	126A
57D132-9	160
57D136-12	123A
57D143	102
57D156	102
57D168	126A
57D169	102
57D170	102
57D179-4	107
57D180	100
57D181-12	123AP
57D184	100
57D186	126A
57D187	126A
57D189	102
57D196-10	94
57D205-14	375
57D206-14	398
57D208-8	171
57D263-11	238
57D277-14	398
57D278-14	375
57D279-4	376
57D279-14	376
57D283-11	154
57D285-10	5609
57D296-10	375
57D402-L	107
57D413-1	287
57D418-10	86
57D419-GR	85
57D419-GY	85
57D419-P	85
57D419-P-Q	85
57D419-Q	85
57D419-Y	85
57D420-GR	290A
57D420-P-Q	290A
57D420-Q	290A
57D421-11	379
57D422-8	399
57D423-8	255
57D423-8(Plastic)	399
57D424-11	89
57D428-8	375
57D428-12	375
57D428-12P	375
57D429-8	398
57D429-12	398
57D429-12P	398
57D433-1	100
57D434-1	123A
57D458-O	290A
57D459-Y	399
57D460-11	2302
57D460-12	2302
57D485-1	398
57D493-10	287
57D1127	102
57D1130	160
57D1131	160
57D1132	160
57D1143	102
57D1186	160
57DG-23	121
57DG-32	121
57L1-1	160
57L1-2	160
57L1-3	160
57L1-4	160
57L1-6	102A
57L1-7	158(2)
57L1-8	102A
57L1-9	160
57L1-10	160
57L1-11	160
57L1-12	160
57L2-1	128
57L2-2	123A
57L3-1	123A
57L3-4	123A
57L5-1	104
57L103-13	717
57L105-12	128
57L106-9	312
57M1-1	160
57M1-2	160
57M1-3	160
57M1-4	160
57M1-5	102A
57M1-6	102A
57M1-7	158(2)
57M1-8	158
57M1-9	160
57M1-10	160
57M1-11	160
57M1-12	160
57M1-13	129
57M1-13A	129
57M1-14	123A
57M1-15	123A
57M1-16	103A
57M1-17	160
57M1-18	103A
57M1-19	123A
57M1-20	123A
57M1-21	129
57M1-21A	129
57M1-22	129
57M1-23	123A
57M1-24	123A
57M1-25	129
57M1-25A	129
57M1-26	123A
57M1-27	123A
57M1-28	123A
57M1-29	123A
57M1-30	123A
57M1-31	123A
57M1-32	123A
57M1-33	128
57M1-34	128
57M1-35	158
57M2-1	103A
57M2-2	103A
57M2-3	158
57M2-4	158
57M2-6	103A
57M2-7	128
57M2-8	158
57M2-9	103A
57M2-10	129
57M2-10A	129
57M2-11	128
57M2-14	128
57M2-15	129
57M2-15A	129
57M2-16	154
57M2-17	154
57M2-18	128
57M2-506	103A + 158(CP)
57M3-1	130
57M3-1A	130
57M3-2	130
57M3-3	128
57M3-4	130
57M3-4A	130
57M3-5	175
57M3-6	130
57M3-6A	130
57M3-7	104
57M3-8	104
57M3-9N	155
57M3-9P	131
57M3-10N	155
57M3-10P	131
57M3-11	155
57M3-12	131
57P1	102
57RECT-1021(AU)	552
57RECT-SI-1021(AU)	552
57S-06	5070A
57SI-HA11423	1471
57ST-3SK60	454♦
57X11	505
57Z6	5178A
57Z6A	5178A
58-000516	724
58-1(Truetone)	123A
58B2-14	160
58R-104-02	85
58R-104-81	614
58R-104-82	109
58R-104-83	177
58R-104-84	5018A
58R-104-85	1234
58R-104-86	1226
58R-104-87	1155
58R-104-88	451
58R-104-89	107
58R-104-90	85
58R-104-91	289A
58R-104-93	293
58R-300-81	612
58R-300-82	177
58R-300-83	5018A
58R-300-85	1248♦
58R-300-86	1285
58R-300-87	1286
58R-300-88	451
58R-300-89	107
58R-300-90	85
58R-300-91	289A
58R-300-92	85
58SI-LM393N	943M
58SI-LM393P	943M
58ST-2SA1029C	290A
58ST-2SC2344E	375
58ST-MPS9418AS	192
58SZ-RD6.2EB3	5013A
58T	457
58Z6	5180A
58Z6A	5180A
59	5910
59B402781	OBS-NLA
59B402787	9914
59B402788	9974S
59E001-1	177

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
59P2C	102A
59SD-1N34A(AU)	109
59SI-LM393N	943M
59SI-UPA53C	2084
59ST-BC548B(CBE)	123AP
59T27RB	5266AK
59Z6	5120A
59Z6A	5120A
60-83893E01	128P
60-83924L02	129P
60-211040	181
60BC15	6026
60C	116
60D	116
60DC15	6026
60DE10	125
60F1	5842
60F5	5862
60FC15	6034
60GC15	6034
60H	116
60H3P	5862
60H3PN	5863
60HF5	6020
60HF10	6022
60HF15	6026
60HF20	6026
60HF25	6034
60HF30	6034
60HF35	6034
60HF40	6034
60HF45	6040
60HF50	6040
60HF60	6040
60HF80	6042
60HF100	6044
60HFR5	6021
60HFR10	6027
60HFR15	6027
60HFR20	6027
60HFR25	6035
60HFR30	6035
60HFR35	6035
60HFR40	6035
60HFR45	6041
60HFR50	6041
60HFR60	6041
60HFR80	6043
60HFR100	6045
60HR3N	5823
60HR3P	5822
60J1	5806
60J2	116
60J2P	5882
60J3P	5882
60JC15	6040
60JH3	6064
60K	129/400
60L20	525
60LA	156
60LC15	6042
60M	116
60MQ30	6094
60MQ40	6094
60NC15	6044
60P19009	162
60P22204	191
60S1	5812
60S5	5842
60SB03S	6094
60SB04S	6094
60SZ-RD9.1EB2	5018A
60T4	5400
60Z6	5182A
60Z6A	5182A
61-259	109
61-309-458	128
61-607	102A
61-608	102A
61-654	102A
61-655	102A
61-656	102A
61-746	123A
61-747	128
61-751	123A
61-754	123A
61-755	123A
61-756	117A
61-782	121
61-813	128
61-814	123A
61-815	123A
61-820	117A
61-926	117A
61-928	102A
61-929	102A
61-1053-1	196
61-1130	102A
61-1131	102A
61-1215	102A
61-1320	116
61-1400	123A
61-1401	123A
61-1402	123A
61-1403	123A
61-1404	123A
61-1763	123A
61-1764	128
61-1765	116
61-1906	131
61-1907	102A
61-1934	102A
61-1935	102A
61-3096-90	197
61-7728	116
61-8035(Exidy)	430
61-8062(Exidy)	416
61-8162(Exidy)	428
61-8968	119
61-8969	118
61-59395	109
61-260039	126A
61-260039A	126A
61-309449	130
61-309686	199
61-309687	128
61-309688	129
61-309689	152
61-309690	153
61A001-10	1082
61A001-11	1142
61A001-12	1052
61A023-2	1045
61A030-6	712
61A030-9	1083
61B002-1	160
61B003-1	126A
61B004-1	102A
61B005-1	102A
61B006-1	102A
61B007-1	108
61B007-2	108
61B009-1	102A
61B0015-1	102A
61B015-1	102A
61B016-1	102A
61B017-1	102A
61B018-1	102A
61B019-1	102A
61B020-1	102A
61B021-1	102A
61B022-2	102A
61B022-3	102A
61B023-1	102A
61B026-1	102A
61B027-1	158
61B042-9	1003
61B1C	783
61B2Z	783
61B45-14	102A
61C001-1	123
61C001-2	1123
61C001-3	712
61C001-4	1263
61C001-5	1264
61C001-6	1265
61C001-7	1266
61C001-8	1267
61C001-9	1268
61C001-10	1168
61C001-11	1269
61C001-12	1223
61C001-13	1270
61C001-14	9400
61C001-15	9200
61C001-16	9401
61C001-17	1266
61C001-18	1408
61C001-30	1405
61C001-31	712
61C001-32	1428
61C001-33	1425
61C001-34	1421
61C001-35	1412
61C001-36	1419
61C001-38	1408
61C002-1	102
61C002-2	1427
61C002-3	9402
61C003-1	102
61C004-1	128
61C005-1	121
61C66-1	HiDiv-1
61C66-2	HiDiv-1
61C66-3	HiDiv-1
61C66-4	HiDiv-1
61C66-5	HiDiv-1
61C66-6	HiDiv-1
61C66-7	HiDiv-1
61C66-8	HiDiv-1
61C66-9	HiDiv-1
61C66-10	HiDiv-1
61D72-1	HiDiv-12
61D72-2	HiDiv-12
61D72-3	HiDiv-12
61E01	5075A
61E02	5022A
61E03	5066A
61E04	5093A
61E05	5070A
61E06	5096A
61E07	5075A
61E08	147A
61E09	5090A
61E10	5010A
61E11	5082A
61E12	146A
61E13	5068A
61E14	5096A
61E15	5018A
61E16	5095A
61E17	5001A
61E18	5027A
61E19	5067A
61E20	146A
61E21	5129A
61E22	5029A
61E23	5010A
61E24	5028A
61E25	5014A
61E26	5031A
61E27	5012A
61E28	5141A
61E30	148A
61E31	5022A
61E32	5016A
61E33	5027A
61E34	5117A
61E35	5137A
61E36	137A
61E37	5077A
61E38	136A
61E39	5135A
61E40	5010A
61E41	135A
61E42	5071A
61E43	5006A
61E44	5115A
61J001-1	123A
61J002-1	123A
61J003-1	123A
61J004-1	102A
61J2	116
61K001-9	1011
61K001-10	801
61K001-12	1011
61K001-13	1185
61L001-3	1213
61L001-5	1257
61L001-6	1258
61L001-8	1251
61P1	126A
61P1D	160
61P10	126A
61SI-SN74145N	74145
61ST-BC557B(CBE)	159
61T4	5401
61Z6	5122A
61Z6A	5183A
62-7567	123A
62-8781	160
62-10234	109
62-10655	109
62-12034	109
62-13258	102A
62-13259	103A
62-13261	116
62-13477	116
62-13494	102A
62-15318	109
62-15483	116
62-16013	113A
62-16711	116
62-16712	113A
62-16769	109
62-16841	109
62-16905	123A
62-16918	102A
62-16919	175
62-17232	112
62-17390	160
62-17391	160
62-17550	123A
62-18135	116
62-18337	113A
62-18415	100
62-18416	100
62-18417	100
62-18418	160
62-18419	160
62-18420	102A
62-18421	102A
62-18422	160
62-18423	100
62-18424	100
62-18425	123A
62-18426	154
62-18427	104
62-18428	121
62-18429	179
62-18430	102A
62-18431	116
62-18434	116
62-18435	116
62-18436	116
62-18438	116
62-18641	123A
62-18642	123A
62-18643	123A
62-18782	177
62-18828	123A
62-19115	116
62-19260	112
62-19280	123A
62-19452	159
62-19516	123A
62-19548	123A
62-19581	107
62-19620	112
62-19734	113A
62-19749	116
62-19814	116
62-19837	123A
62-19838	123A
62-19846	109
62-20154	159
62-20154A	159
62-20155	123A
62-20223	177
62-20240	123A
62-20241	123A
62-20242	123A
62-20243	123A
62-20244	159
62-20244A	159
62-20319	177
62-20360	123A
62-20437	177
62-20565	119
62-20597	177
62-20643	145A
62-21369	116
62-21496	123A
62-21552	177
62-21573	5103A
62-21574	5077A
62-21586	711
62-21587	712
62-22038	123A
62-22039	123A
62-22250	123A
62-22251	123A
62-22529	106
62-26597	177
62-26851	160
62-100092	123A
62-100093	123A
62-100292	199
62-100412	116
62-100449	358
62-100471	113A
62-100520	116
62-100581	113A
62-100617	116
62-100624	116
62-100678	126A
62-100693	102A
62-100768	5521
62-100844	109
62-101078	160
62-101087	160
62-101089	126A
62-101119	123A
62-101154	177
62A01	116
62A02	116
62A04	116
62A05	116
62A11868	123A
62A11871	159
62B046-1	152
62B046-2	152
62B046-3	152
62B046-4	152
62J2	116
62R2R	5944
62ST-2SC458	85
62ST-2SC458C	85
62T4	5402
62VB10	5313
62Z6	5124A
62Z6A	5124A
63-3954	160
63-5058	5105A
63-7246	158
63-7247	102A
63-7248	103A
63-7396	102A
63-7397	102A
63-7398	102A
63-7399	102A
63-7420	102A
63-7421	123A
63-7433	116
63-7538	160
63-7541	160
63-7547	100
63-7548	160
63-7549	103A
63-7564	102A
63-7565	103A
63-7567	123A
63-7579	160
63-7580	160
63-7581	160
63-7582	160
63-7596	102A
63-7660	160
63-7670	123A
63-7871	102A
63-7872	102A
63-7873	102A
63-8119	160
63-8120	158
63-8376	160
63-8377	160
63-8378	160
63-8379	160
63-8380	102A
63-8381	109
63-8473	103A
63-8512	175
63-8555	123A
63-8590	121
63-8676	HiDiv-4
63-8677	HiDiv-4
63-8678	HiDiv-4
63-8679	HiDiv-4
63-8680	HiDiv-4
63-8681	HiDiv-4
63-8685	116
63-8699	160
63-8700	160
63-8701	123A
63-8702	123A
63-8703	102A
63-8704	102A
63-8705	103A
63-8706	121
63-8707	130
63-8707A	130
63-8819	117A
63-8824	116
63-8825	5072A
63-8945	175
63-8954	160
63-8955	109
63-8970	HiDiv-4
63-8971	HiDiv-4
63-8972	HiDiv-4
63-8973	HiDiv-4
63-8974	HiDiv-4
63-8975	HiDiv-4
63-8976	HiDiv-4
63-9072	160
63-9337	123A
63-9338	123A
63-9339	123A
63-9340	103A
63-9341	123A
63-9516	123A
63-9517	160
63-9518	123A
63-9519	102A
63-9520	102A
63-9521	102A
63-9523	109
63-9659	102A
63-9664	160
63-9665	160
63-9783	5072A
63-9787	117A
63-9829	123A
63-9830	123A
63-9831	123A
63-9832	123A
63-9833	123A
63-9847	123A
63-9876	160
63-9877	160
63-9893	HiDiv-3
63-9894	HiDiv-1
63-9895	HiDiv-1
63-9895-1	HiDiv-12
63-9896	HiDiv-3
63-9897	HiDiv-3
63-9898	HiDiv-3
63-9898-02	HiDiv-3
63-9941	160
63-9942	142A
63-10026-01(Exidy)	519
63-10035	160
63-10036	160
63-10037	102A
63-10038	102A
63-10062	175
63-10064	116
63-10145	160
63-10146	160
63-10147	102A
63-10148	160
63-10149	160
63-10150	160
63-10151	102A
63-10152	102A
63-10153	102A
63-10154	102A
63-10156	102A
63-10158	102A
63-10159	102A
63-10188	123A
63-10195	160
63-10196	160
63-10200	100
63-10375	160
63-10376	160
63-10377	123A
63-10378	121
63-10383	103A
63-10384	158
63-10408	102A
63-10708	123A
63-10709	116
63-10725	123A
63-10732	123A
63-10733	123A
63-10734	123A
63-10735	123A
63-10736	123A
63-10737	123A
63-10739	109
63-10860	123A
63-11025	123A
63-11055	160
63-11073	158
63-11074	109
63-11143	123A
63-11144	102A
63-11147	5071A
63-11148	167
63-11215	117A
63-11289	123A
63-11290	175
63-11291	116
63-11468	123A
63-11469	123A
63-11470	123A
63-11471	123A
63-11472	123A
63-11474	102A
63-11496	160
63-11497	158
63-11582	160
63-11584	160
63-11585	100
63-11586	102A
63-11659	5071A
63-11660	123A
63-11661	102A
63-11757	123A
63-11758	123A
63-11759	123A
63-11762	125
63-11831	123A
63-11832	123A
63-11833	123A
63-11878	175
63-11879	109
63-11881	116
63-11916	123A
63-11934	123A
63-11935	123A
63-11936	128
63-11937	123A
63-11938	175
63-11957	116
63-11989	128
63-11990	185
63-11991	130
63-11991A	130
63-12003	123A
63-12004	123A
63-12062	123A
63-12077	117A
63-12110	5071A
63-12154	159
63-12154A	159
63-12156	159
63-12156A	159
63-12157	159
63-12157A	159
63-12158	109
63-12272	123A
63-12273	162
63-12287	167
63-12316	102A
63-12317	102A
63-12366	125
63-12605	123A
63-12607	109
63-12608	123A
63-12609	123A
63-12610	160
63-12641	123A
63-12642	123A
63-12645	109
63-12669	158
63-12670	158
63-12696	123A
63-12697	123A
63-12698	158
63-12706	123A
63-12707	123A
63-12750	123A
63-12751	123A
63-12752	123A
63-12753	123A
63-12754	109
63-12755	109
63-12756	109
63-12757	109
63-12874	123A
63-12875	123A
63-12876	102A
63-12877	123A
63-12878	123A
63-12879	123A
63-12880	102A
63-12881	102A
63-12933	123A
63-12940	123A
63-12941	123A
63-12942	123A
63-12943	123A
63-12945	158
63-12946	123A
63-12947	158
63-12948	123A
63-12949	123A
63-12950	123A
63-12951	123A
63-12952	123A
63-12953	123A
63-12954	175
63-12989	128
63-12990	128
63-13025	160
63-13080	109
63-13214	128
63-13215	128
63-13216	162
63-13322	159
63-13322A	159
63-13323	158
63-13419	123A
63-13438	123A
63-13440	123A
63-13441	123A
63-13839	160
63-13840	102A
63-13842	109
63-13864	123A
63-13899	160
63-13903	116
63-13919	116
63-13926	312
63-13927	123A
63-13954	162
63-14032	123A
63-14051	123A
63-14052	123A
63-14057	123A
63-14135	727
63-14195	116
63-15345	718
63-15483	116
63-16918	102A
63-17390	160
63-18135	117A
63-18416	100
63-18418	160
63-18419	160
63-18420	102A
63-18421	102A
63-18423	160
63-18424	160
63-18427	104
63-18430	102A
63-18643	123A
63-19173	173BP§
63-19280	123A
63-19282	123A
63-22724	109
63-23041	102A
63-25179	102A
63-25180	102A
63-25181	102A
63-25182	102A
63-25261	158
63-25281	102A
63-25282	102A
63-25342	110MP
63-25720	102A
63-25726	160
63-25727	102A
63-25728	102A
63-25729	102A
63-25933	109
63-25942	102A
63-25944	102A
63-25946	100
63-26382	109
63-26597	116
63-26849	100
63-26850	160
63-26851	102A
63-27278	100
63-27279	100
63-27280	100
63-27281	102A
63-27366	160
63-27367	100
63-27483	117A
63-27500	160
63-27622	116
63-28250	109
63-28348	160
63-28358	160
63-28390	102A
63-28399	102A
63-28426	154
63-28888	109
63-29383	117A
63-29451	121
63-29459	121
63-29461	123A
63-29661	160
63-29662	100
63-29663	100
63-29664	100
63-29665	102A
63-29666	102A
63-29819	160
63-29820	160
63-29821	160
63-29862	160
63-29863	100
63-250128-2	112
63J2	116
63N1	163A
63N50	105
63P3	102
63RECT-S1-1021	552
63RECT-SI-1021	552
63Z6	5186A
63Z6A	5186A
64-J2	116
64N1	162
64R2	5878
64RECT-S1-1001	116
64-RECT-S1-1001(AU)	116
64RECT-U-1012	5305
64T1	100
64T4	5404
64Z6	5187A
64Z6A	5187A
65(Diode)	116
65(Transistor)	107
65-01	3040
65-080001	226MP
65-085002	109
65-085003	109
65-085004	142A
65-085010	109
65-085012	109
65-085013	116
65-1	123A
65-1-70	160
65-1-70-12	160
65-1-70-12-7	160
65-1A	160
65-1A0	160
65-1A0R	160
65-1A1	160
65-1A2	160

♦, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
65-1A3	160
65-1A3P	160
65-1A4	160
65-1A4-7	160
65-1A4-7B	160
65-1A5	160
65-1A5L	160
65-1A6	160
65-1A6-5	160
65-1A7	160
65-1A7-1	160
65-1A8	160
65-1A9	160
65-1A9G	160
65-1A19	160
65-1A21	160
65-1A82	160
65-2	103A
65-2-70	103A
65-2-70-12	103A
65-2-70-12-7	103A
65-2A	103A
65-2A0	103A
65-2A0R	103A
65-2A1	103A
65-2A2	103A
65-2A3	103A
65-2A3P	103A
65-2A4	103A
65-2A4-7	103A
65-2A4-7B	103A
65-2A5	103A
65-2A5L	103A
65-2A6	103A
65-2A6-1	103A
65-2A7	103A
65-2A7-1	103A
65-2A8	103A
65-2A9	103A
65-2A9G	103A
65-2A19	103A
65-2A21	103A
65-2A82	103A
65-4	101
65-4-70	101
65-4-70-12	101
65-4-70-12-7	101
65-4A	101
65-4A0	101
65-4A0R	101
65-4A1	101
65-4A2	101
65-4A3	101
65-4A3P	101
65-4A4	101
65-4A4-7	101
65-4A4-7B	101
65-4A5	101
65-4A5L	101
65-4A6	101
65-4A6-2	101
65-4A7	101
65-4A7-1	101
65-4A8	101
65-4A9	101
65-4A9G	101
65-4A19	101
65-4A21	101
65-4A82	101
65-10	160
65-11	160
65-12	160
65-13	160
65-14	160
65-15	160
65-16	160
65-17	160
65-18	160
65-19	160
65-20	103A
65-21	103A
65-22	103A
65-23	103A
65-24	103A
65-25	103A
65-26	103A
65-27	103A
65-28	103A
65-29	103A
65-40	101
65-41	101
65-42	101
65-43	101
65-44	101
65-45	101
65-46	101
65-47	101
65-48	101
65-49	101
65-10838-01(Exidy)	5019A
65-11137-23	788
65-33361-00	1248
65-744238	114
65A	159
65A0	160
65A1	160
65A2	160
65A3	160
65A4	160
65A5	160
65A6	160
65A7	160
65A8	160
65A9	160
65A10	160
65A10R	160
65A12	160
65A13	160
65A13P	160
65A14	160
65A14-7	160
65A14-7B	160
65A15	160
65A15L	160
65A16	160
65A16-3	160
65A17	160
65A17-1	160
65A18	160
65A19	160
65A19G	160
65A-70	160
65A-70-12	160
65A-70-12-7	160
65A119	160
65A121	160
65A182	160
65A11573	199
65B	159
65B1	126A
65B3	126A
65B4	126A
65B5	126A
65B6	126A
65B7	126A
65B8	126A
65B9	126A
65B10	126A
65B10R	126A
65B11	126A
65B12	126A
65B13	126A
65B13P	126A
65B14	126A
65B14-7	126A
65B14-7B	126A
65B15	126A
65B15L	126A
65B16	126A
65B16-2	126A
65B17	126A
65B17-1	126A
65B18	126A
65B19	126A
65B19G	126A
65B-70	126A
65B-70-12	126A
65B-70-12-7	126A
65B119	126A
65B121	126A
65B182	126A
65BO	126A
65C	159
65C0	121
65C1	159
65C2	121
65C3	121
65C4	121
65C5	121
65C6	121
65C7	121
65C8	121
65C9	121
65C10	121
65C10R	121
65C11	121
65C12	121
65C13	121
65C13P	121
65C14	121
65C14-7	121
65C14-7B	121
65C15	121
65C15L	121
65C16	121
65C16-4	121
65C17	121
65C17-1	121
65C18	121
65C19	121
65C19G	121
65C-70	121
65C-70-12	121
65C-70-12-7	121
65C119	121
65C121	121
65C182	121
65D	159
65D1	159
65D5010	2V010
65E	159
65E1	159
65F	159
65F1	159
65J2	116
65-K11305-0001	519
65-L11305-0001	519
65-L11324-0001	519
65P117	116
65P124	116
65P124-1	116
65P124-2	116
65P153	116
65P155	116
65P206	116
65P284	116
65P297	116
65-P11305-0001	519
65-P11308-0001	177
65-P11311-0001	177
65-P11324-0001	519
65-P11325-0001	519
65SI-HA11580	1196
65ST-2SA733R	290A
65ST-2SC454B	85
65ST-2SC535B	107
65T1	102A
65Z6	5188A
65Z6A	5188A
66-1	102A
66-1-70	102A
66-1-70-12	102A
66-1-70-12-7	102A
66-1A	102A
66-1A0	102A
66-1A0R	102A
66-1A1	102A
66-1A2	102A
66-1A3	102A
66-1A3P	102A
66-1A4	102A
66-1A4-7	102A
66-1A4-7B	102A
66-1A5	102A
66-1A5L	102A
66-1A6	102A
66-1A6-3	102A
66-1A7	102A
66-1A7-1	102A
66-1A8	102A
66-1A9	102A
66-1A9G	102A
66-1A19	102A
66-1A21	102A
66-1A82	102A
66-2	102A
66-2-70	102A
66-2-70-12	102A
66-2-70-12-7	102A
66-2A	102A
66-2A0	102A
66-2A0R	102A
66-2A1	102A
66-2A2	102A
66-2A3	102A
66-2A3P	102A
66-2A4	102A
66-2A4-7	102A
66-2A4-7B	102A
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66-2A5L	102A
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66-2A6-4	102A
66-2A7	102A
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66-2A9	102A
66-2A9G	102A
66-2A19	102A
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66-2A82	102A
66-3	102A
66-3-70	102A
66-3-70-12	102A
66-3-70-12-7	102A
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66-3A0R	102A
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66-3A2	102A
66-3A3	102A
66-3A3P	102A
66-3A4	102A
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66-3A5L	102A
66-3A6	102A
66-3A6C	102A
66-3A7	102A
66-3A7-1	102A
66-3A8	102A
66-3A9	102A
66-3A9G	102A
66-3A19	102A
66-3A21	102A
66-3A82	102A
66-10	102A
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66-12	102A
66-13	102A
66-14	102A
66-15	102A
66-16	102A
66-17	102A
66-18	102A
66-19	102A
66-20	102A
66-21	102A
66-22	102A
66-23	102A
66-24	102A
66-25	102A
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66-27	102A
66-28	102A
66-29	102A
66-30	102A
66-31	102A
66-32	102A
66-33	102A
66-34	102A
66-35	102A
66-36	102A
66-37	102A
66-38	102A
66-2246	116
66-6023	102A
66-6023-00	102A
66-6024-00	102A
66-6025-00	102A
66-6026-00	102A
66-6027-00	102A
66-6028-00	102A
66-6030-00	116
66-6031-00	116
66-6033	102A
66-8504	125
66-10011-01(Exidy)	123AP
66-10021-01(Exidy)	159
66-10815-01	128
66-10816-01	123AP
66-10817-01	159
66-10818-01	123AP
66-10819-01	324
66-10820-01	323
66-10821-01	194
66-10822-01	285
66-10823-01	284
66-10824-01	197
66-10825-01	196
66-11502-02	233
66-11502-03	233
66-11702-11	123AP
66-19013-07J	123AP
66-19014-03J(EBC)	199
66-19400-00	184
66-19400-01	184
66-20324-00	395
66-20438-00	153
66-29015-03J	159
66-127119	123A
66-147234	4011B
66-147340	1554
66-147437	1469
66-147438	712
66-147464	615A
66-148235	778A
66-150430	1558
66-151333	1409
66-156696	960
66-156709	906
66A00008A	123A
66A00010A	123A
66A10298	128
66A10310	234
66A10319	519
66B-3A5L	121MP
66C6-1	HiDiv-1
66C6-2	HiDiv-1
66C6-3	HiDiv-1
66C6-4	HiDiv-1
66C6-5	HiDiv-1
66C6-6	HiDiv-1
66C6-7	HiDiv-1
66C6-8	HiDiv-1
66C6-9	HiDiv-1
66C6-10	HiDiv-1
66F001	116
66F001-1	116
66F0011	116
66F0012	116
66F0013	116
66F0015	125
66F0074	142A
66F0076	142A
66F015	704
66F016-1	177
66F016-2	177
66F017	178MP
66F018	177
66F020-1	157
66F020-2	157
66F021-1	161
66F022-1	161
66F023-1	159
66F024-1	159
66F025-1	128
66F026-1	199
66F027-1	123A
66F028-1	123A
66F029-1	123A
66F031-3	500A
66F039-1	172A
66F039-2	172A
66F041-1	159
66F042-1	161
66F-054-3	500A
66F054-3	500A
66F054-4	500A
66F057-1	123A
66F057-2	123A
66F058-2	188
66F069-1	188
66F069-2	189
66F074-1	171
66F074-2	171
66F074-3	171
66F074-4	171
66F077-1	712
66F0161	177
66F0162	177
66F0164	177
66F0165	177
66F0191	103A
66F0211	319P
66F0221	319P
66F0251	128
66F0252	128
66F0261	199
66F0271	123A
66F0291	123A
66F0341	108
66F0342	108
66F0371	199
66F0381	109
66F0391	172A
66F0393	410/172A
66F0411	159
66F0412	159
66F0413	159
66F0414	159
66F0421	161
66F0451	159
66F0454	159
66F0573	123A
66F0581	188
66F0644	116
66F0731	123A
66F0741	228A
66F0742	228A
66F0751	186
66F0752	186
66F0753	186
66F0754	186
66F0755	186
66F0771	712
66F0772	712
66F0991	220
66-F29-1	123A
66F112-1	522
66F112-2	522
66F125-1	792S
66F133-1	198
66F136-1	793
66F159-1	523/3306
66F-159-2	523
66F159-2	523/3306
66F-159-3	523
66F159-3	523/3306
66F175-1	808
66F176-1	809
66F181-1	522
66F1001	140A
66F1002	140A
66F1003	5053A
66F1004	135A
66F1005	5097A
66F1006	5055A
66F1007	134A
66F1008	5030A
66F1009	5079A
66F1011	194
66F1021	102A
66F1031	165
66F1032	165
66F1033	238
66F1051	210
66F1061	187
66F1062	187
66F1071	265
66F1081	5079A
66F1083	140A
66F1084	5097A
66F1085	5082A
66F1091	171
66F1092	171
66F1101	193
66F1131	177
66F1132	177
66F1141	506
66F1142	506
66F1151	312
66F1152	312
66F1161	108
66F1162	108
66F1171	708
66F1181	722
66F1191	614
66F1201	5400
66F1202	5400
66F1203	5400
66F1211	177
66F1221	116
66F1241	284
66F1251	792S
66F1261	715
66F1271	790
66F1281	714
66F1301	6402
66F1341	128
66F1351	129
66F1361	793
66F1362	793
66F1421	199
66F1431	116
66F1441	116
66F1461	186
66F1471	186
66F1481	152
66F1491	153
66F1501	192
66F1511	193
66F1521	794
66F1531	747
66F1541	795
66F1551	738
66F1561	172A
66F1601	191
66F1602	191
66F1621	159
66F1622	159
66F1631	157
66F1651	506
66F1661	287
66F1671	165
66F1681	196
66F1741	794
66F1742	794
66F1751	808
66F1761	809
66F1771	791
66F2011	795
66F10010	5097A
66F10011	5082A
66J2	116
66M	123A
66-P11i20	159
66-P11112-0001	199
66-P11120	159
66-P11139	129
66-P11141	129
66R2	5882
66R2S	5883
66S00000A	128
66S-159-1	523/3306
66ST-2SC1514BK	376
66SZ-RD10EB3	5019A
66X0003	358
66X0003-001	358
66X0003-1	358
66X0007-104	108
66X0020-000	109
66X0020-001	109
66X0023-001	116
66X0023-002	116
66X0023-003	116
66X0023-004	116
66X0023-005	116
66X0023-006	116
66X0023-007	116
66X0023-008	116
66X0023-009	125
66X0023-1	116
66X0024-000	113A
66X0025-000	113A
66X0025-000-001	113A
66X0025-001	113A
66X0028-001	116
66X0028-008	125
66X0033-000	116
66X0033-001	116
66X0035-001	118
66X0036-001	506
66X0036-002	119
66X0037-001	116
66X0038-001	506
66X0039-001	109
66X0040-003	137A
66X0040-004	5084A
66X0040-005	140A
66X0040-005(Bradford)	139A
66X0040-007	5081A
66X0040-008	5100A
66X0040-009	145A
66X0040-011	5068A
66X0040-012	149A
66X0040-018	5014A
66X0040-019	5007A
66X0040-020	5018A
66X0040-021	5044A
66X0041-001	120
66X0043-001	177
66X0044-001	177
66X0044-100	177
66X0045-001	501B
66X0046-001	177
66X0047-001	109
66X0047-901	109
66X0048-001	116
66X0049-001	194
66X0049-001(Diode)	110MP
66X0049-002	109
66X0049-004	5100A
66X0049-100	110MP
66X0050-001	614
66X0051-001	109
66X0053-001	515
66X0054-001	515
66X0054-002	515
66X0055-001	506
66X0060-001	522
66X0060-002	522
66X0061-001	501B
66X0062-001	177
66X0066-001	177
66X0067-001	504
66X0068-001	525
66X0068-002	506
66X0069-001	552
66X0070-001	519
66X0071-001	116
66X0073-001	156
66X0153-001	116
66X20	109
66X21	113A
66X23	116
66X24	116
66X25	113A
66X25-0	113A
66X26	116
66X36-1	506
66X41-1	120
66X218	113A
66XZ18	113A
66Z6	5128A
66Z6A	5128A
67-01603-01	1738
67-1000-00	116
67-1003-00	116
67-30201-05	613
67-31043-05	610
67-32009-01	1547
67-32109-02	1572
67-34002-06	116
67-34003-06	116
67-34148-04	519
67-34148-07	519
67-35221-04	5010A
67-35402-06	5802
67-40060-01	109
67-40060-02	109
67-50208-20	3163
67-50208-50	3164
67-51703-02	1402
67-90430-01	615A
67-91603-01	778A
67A8926	234
67A9060	199
67J2	125
67J2A	125
67P1	121
67P1C	121
67P2	121
67P2C	121
67P3	121
67P3C	121
67S-100-151	1234
67S-100-152	1226
67S-100-153	1052
67S-100-155	85
67S-100-156	289A
67S-100-157	85
67S-310-81	116
67S-310-82	177
67S-310-83	5018A
67S-310-87	1293
67S-310-88	85
67S-310-89	289A
67S-310-90	85
67S-400-62	116
67S-400-63	177
67S-400-64	5018A
67S-400-151	1234
67S-400-152	1226
67S-400-153	1052
67S-400-155	85
67S-400-156	289A
67S-400-157	85
67SD-1N34A	109
67Z6	5129A
67Z6A	5129A
68-110-02	159
68-20102-2701	724
68-81100C07	227
68-81100C10	227
68 A 8318-P1	159
68A7252	177
68A7349-D32	9932
68A7349-D46	9946
68A7349-D62	9962
68A7349PD30	9930
68A7349-PD32	9932
68A7349PD36	9936
68A7349PD45	9945
68A7349PD46	9946
68A7349PD62	9962
68A7355P1	234
68A7366-1	199
68A7368	128
68A7370-1	159
68A7370-P3	159
68A7380-1	123A
68A7380-2	128
68A7382-P1	159
68A7652P1	9109
68A7652P2	9110S
68A7672P1	941
68A7702P1	194
68A7715P1	123A
68A7734P1	159
68A7860-P1	923
68A8225P001	5626
68A8321	123A
68A9025	7400
68A9026	74H00
68A9027	7402
68A9028	7404
68A9030	7410
68A9031	74H10
68A9032	7406
68A9033	7420
68A9034	7423
68A9035	7430
68A9036	7437
68A9037	7438
68A9038	7450
68A9040	7460
68A9041	7475
68A9042	7476
68A9047	74H106
68A9048	74151
68A9049	74153
68A8319001	130
68D7000	524V13
68P1	121
68P1B	121
68P-2A5L	102A
68R2	5886
68R2S	5886
68RP10	5570
68RP20	5570
68RP30	5572
68RP40	5572
68RP50	5572

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
68RP60	5572
68RP80	5574
68RS100	5574
68RS120	5574
68S-200-91	116
68S-200-92	116
68S-200-93	177
68S-200-94	5018A
68S-200-97	1170
68S-200-98	1285
68S-200-99	1286
68S-200-100	85
68S-200-101	289A
68S-200-102	85
68SI-HA11436	1650
68-ST2SD819	389
68ST-2SD819	389
68ST-MPS9700E	123AP
68SZ-RD12FB3	142A
68X0003	358
68X0003-001	358
68X0040-004	5084A
68X0040-005	140A
68Z2	1V040
68Z6	5130A
68Z6A	5130A
69-001	230
69-102	179
69-112	179
69-206	29
69-2246	116
69-2401	804
69-2403	804
69-2922	109
69-3116	804
69A49728-P1	177
69AJ110	218
69B1M	715
69B1Z	715
69B2Z	715
69L-4A5L	102A
69N1	108
69SP112	129
69ST-2SD313F	152
70-0032519-003	449
70-943-083-002	519
70-943-083-003	519
70-943-722-001	123A
70-943-754-002	123A
70-943-762-001	123A
70-943-772-002	123A
70-943-773-001	234
70-32519-3	449
70-270050	125
70B1Z	714
70C025	5570
70C025B	5570
70C025BF	5570
70C025BIL	5570
70C025F	5575
70C025IL	5570
70C050	5570
70C050B	5570
70C050BF	5575
70C050BIL	5570
70C050F	5575
70C050IL	5575
70C10	5570
70C10B	5570
70C10BF	5575
70C10BIL	5570
70C10F	5575
70C10IL	5570
70C15	5570
70C15B	5570
70C15BF	5575
70C15BIL	5570
70C15F	5575
70C15IL	5570
70C20	5570
70C20B	5570
70C20BF	5575
70C20BIL	5570
70C20F	5575
70C20IL	5570
70C25	5572
70C25B	5572
70C25BF	5577
70C25BIL	5572
70C25F	5577
70C25IL	5572
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70C30B	5572
70C30BF	5577
70C30BIL	5572
70C30F	5577
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70C40BF	5577
70C40BIL	5572
70C40F	5577
70C40IL	5572
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70C45B	5572
70C45BF	5577
70C45BIL	5572
70C45F	5577
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70C70BF	5579
70C70BIL	5574
70C70F	5579
70C70IL	5574
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70C80BF	5579
70C80BIL	5574
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70C80IL	5574
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70C90B	5574
70C90BF	5579
70C90BIL	5574
70C90F	5579
70C90IL	5574
70C100	5574
70C100B	5574
70C100BF	5579
70C100BIL	5574
70C100F	5579
70C100IL	5574
70C110	5574
70C110B	5574
70C110BF	5579
70C110BIL	5574
70C110F	5579
70C110IL	5574
70C120	5574
70C120B	5574
70C120BF	5579
70C120BIL	5574
70C120F	5579
70C120IL	5574
70D5010	2V130
70F40	116
70H5	6048
70H5A	6074
70H5AR	6075
70H5R	6049
70H10	6050
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74LS145J	74LS145
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74LS395DC	74LS395A
74LS395PC	74LS395A
74LS398	74LS398
74LS398J	74LS398
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74LS399J	74LS399
74LS399N	74LS399
74LS424	8224
74LS424J	8224
74LS424N	8224
74LS490DC	74LS490
74LS490PC	74LS490
74LS540DC	74LS540
74LS540PC	74LS540
74LS541DC	74LS541
74LS541PC	74LS541
74LS643	74LS643
74LS670	74LS670
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74LS670J	74LS670
74LS670L	74LS670
74LS670N	74LS670
74LS670P	74LS670
74LS670PC	74LS670
74N1	123A
74P1	159
74P1M	129
74Q1262	160
74S00PC	74S00
74S03PC	74S03
74S04PC	74S04
74S05PC	74S05
74S10PC	74S10
74S11PC	74S11
74S15PC	74S15
74S20PC	74S20
74S22PC	74S22
74S40PC	74S40
74S64PC	74S64
74S65PC	74S65
74S74PC	74S74
74S86N	74S86
74S86PC	74S86
74S112A	74S112
74S112PC	74S112
74S113PC	74S113
74S114PC	74S114
74S133PC	74S133
74S134PC	74S134
74S138DC	74S138
74S138PC	74S138
74S140PC	74S140
74S151DC	74S151
74S153DC	74S153
74S153PC	74S153
74S157DC	74S157
74S157PC	74S157
74S158DC	74S158
74S158PC	74S158
74S174N	74S174
74S175DC	74S175
74S175N	74S175
74S175PC	74S175
74S188	74S188
74S194DC	74S194
74S194PC	74S194
74S251DC	74S251
74S258DC	74S258
74S287	74S287
74S287J	74S287
74S287N	74S287
74S288	74S288
74S387	74S387
74S412	8212
74S428	8228
74S428J	8228
74S428N	8228
74S454	74S454
74S472	74S472
74S473	74S473
74S474	74S474
74S474J	74S474
74S474N	74S474
74S475	74S475
74S475J	74S475
74S475N	74S475
74S477	74S572
74S477J	74S572
74S477N	74S572
74S478	74S478
74S479	74S479
74S570	74S570
74S571	74S571
74S572	74S572
74S572J	74S572
74S572N	74S572
74S573	74S573
74ST-2SA1015O(AU)E	290A
74ST-2SC785-0(ECB)	229
74Z6	5241A
74Z6A	5241A
75	116
75-100-001	519
75-461	102A
75B1Z	801
75B12	801
75C-100-81	177
75C-100-82	5018A
75C-100-84	1248◆
75C-100-85	1293
75C-100-86	1170
75C-100-87	85
75C-100-89	85
75D01	5454
75D02	5455
75D03	5543
75D04	5431
75D05	5422
75D06	5455
75D1	116
75D2	116
75D8	125
75D10	125
75D240SSR	B75240
75D480SSR	B75480
75E05	6354
75E05R	6355
75E1	116
75E2	116
75E3	116
75E4	116
75E5	116
75E6	116
75E7	125
75E8	125
75E10	125
75E10(Stud)	6354
75E10R	6355
75E20	6354
75E20R	6355
75E30	6354
75E30R	6355
75E40	6354
75E40R	6355
75E50	6356
75E50R	6357
75E60	6356
75E60R	6357
75F05	116
75KBP005	166
75KBP02	167
75KBP04	168
75KBP06	169
75KBP08	170
75KBP10	170
75N1	154
75N5AA	123A
75R1B	116
75R2B	116
75R3B	116
75R4B	116
75R5B	116
75R6B	116
75R7B	125
75R8B	125
75R9B	125
75R10B	125
75R11B	506
75R12B	506
75R13B	506
75R14B	506
75ST-2SC2229Y	399
75ST-2SD467C(AU)E	85
75ST-BC547B(CBE)	123AP
75W005	5304
75W-005	5304
75W005M	5304
75W02M	5304
75W04M	5304
75W06M	5304
75W08M	5304
75W10M	5304
75Z6	5242A
75Z6A	5242A
75Z9.1	139A
75Z9.1A	139A
75Z9.1B	139A
75Z9.1C	139A
75Z11	141A
75Z11A	141A
75Z11B	141A
75Z11C	141A
75Z12	142A
75Z12A	142A
75Z12B	142A
75Z12C	142A
75Z13	143A
75Z13A	143A
75Z13B	143A
75Z13C	143A
75Z14	144A
75Z14A	144A
75Z14B	144A
75Z14C	144A
75Z15	145A
75Z15A	145A
75Z15B	145A
75Z15C	145A
75Z27	146A
75Z27A	146A
75Z27B	146A
75Z27C	146A
75Z33	147A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
75Z33A	147A
75Z33B	147A
75Z33C	147A
75Z56	148A
75Z56A	148A
75Z56B	148A
75Z56C	148A
75Z62	149A
75Z62A	149A
75Z62B	149A
75Z62C	149A
75Z82	150A
75Z82A	150A
75Z82B	150A
75Z82C	150A
75Z110	151A
75Z110A	151A
75Z110B	151A
75Z110C	151A
76	126A
76-005-003	74LS05
76-005-005	74LS26
76-005-007	74LS74A
76-005-013	74LS367
76-042-9-006	289A
76-0105	175
76-120-001	955M
76-140-001	995M
76-190-001	3470
76-500-001	2013
76-11770	104
76-12965-26	109
76-13570-39	108
76-13570-59	108
76-13570-65	112
76-13848-23	112
76-13866-17	108
76-13866-18	108
76-13866-19	108
76-13866-20	108
76-13866-59	108
76-13866-62	108
76-14090-1	128
76-14196-1	110MP
76-14327-1	500A
76-14327-2	500A
76-14327-3	500A
76-14327-4	500A
76-14327-5	500A
76-14327-6	500A
76-14327-7	500A
76-14327-8	500A
76B1Z	742
76G1450J	116
76N1	123A
76N1B	128
76N1M	123A
76N2	123A
76N2B	128
76N3B	128
76N2369-000	123A
76N2369-001	123A
76S1030-000	128
76SD-1N4148(AU)	519
76SI-HD14011BP	4011B
76SK-1N4148(AU)	519
76ST-2SC1514-15	376
76ST-2SC1815GR	85
76Z6	5243A
76Z6A	5243A
77	100
77-001	230
77-27166-2	160
77-27198-3	199
77-270877-2	121
77-270878-2	121
77-270993-1	117A
77-271025-1	102A
77-271026-1	102A
77-271027-1	102A
77-271029-1	160
77-271029-2	160
77-271031-1	109
77-271032-1	109
77-271036-1	102A
77-271037-1	102A
77-271038-1	160
77-271039-1	102A
77-271166-3	160
77-271374-1	116
77-271453-1	123A
77-271490	128
77-271490-1	128
77-271491-1	121
77-271798-1	184
77-271798-2	199
77-271798-3	184
77-271818-1	129
77-271819-1	123A
77-271967-1	123A
77-272913-1	152
77-272914-1	153
77-272999-1	128
77-273001-2	123A
77-273001-3	160
77-273004-1	158
77-273715-1	152
77-273716-1	153
77-273738-1	152
77-273739-1	153
77A	105
77A0	105
77A01	177
77A02	177
77-A08	775
77A1	105
77A2	105
77A3	105
77A4	105
77A5	105
77A6	105
77A7	105
77A8	105
77A9	105
77A10	105
77A10R	105
77A11	105
77A11(Diode)	177
77A12	105
77A13	105
77A13(DIODE)	177
77A13(Diode)	177
77A13P	105
77A14	105
77A14-7	105
77A14-7B	105
77A15	105
77A15L	105
77A16	105
77A16-1	105
77A17	105
77A17-1	105
77A18	105
77A19	105
77A19G	105
77A-70	105
77A-70-12	105
77A-70-12-7	105
77A119	105
77A121	105
77A182	105
77A-211-83	1234
77A-211-85	1170
77A-211-86	1285
77A-211-87	1286
77B	121MP
77B0	121MP
77B1	121MP
77B2	121MP
77B3	121MP
77B4	121MP
77B5	121MP
77B6	121MP
77B7	121MP
77B8	121MP
77B9	121MP
77B10	121MP
77B10R	121MP
77B11	121MP
77B12(IC)	788
77B12(Transistor)	121MP
77B13	121MP
77B13P	121MP
77B14	121MP
77B14-7	121MP
77B14-7B	121MP
77B15	121MP
77B15L	121MP
77B16	121MP
77B16-2	121MP
77B17	121MP
77B17-1	121MP
77B18	121MP
77B19	121MP
77B19G	121MP
77B-70	121MP
77B-70-12	121MP
77B-70-12-7	121MP
77B119	121MP
77B121	121MP
77B182	121MP
77C	121
77C0	121
77C1	121
77C2	121
77C3	121
77C4	121
77C5	121
77C6	121
77C7	121
77C8	121
77C9	121
77C10	121
77C10R	121
77C11	121
77C12	121
77C13	121
77C13P	121
77C14	121
77C14-7	121
77C14-7B	121
77C15	121
77C15L	121
77C16	121
77C16-3	121
77C17	121
77C17-1	121
77C18	121
77C19	121
77C19G	121
77C-70	121
77C-70-12	121
77C-70-12-7	121
77C119	121
77C121	121
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86-191-2	123A
86-192-2	123A
86-193-2	123A
86-194-2	123A
86-195-2	123A
86-196-2	123A
86-197-2	123A
86-198-2	123A
86-199-2	123A
86-201-2	123A
86-202-2	123A
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86-236-2	124
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86-244-2	108
86-245-2	108
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86-247-2	123A
86-248-2	121
86-249-2	102A
86-250-2	123A
86-251-2	159
86-251-20	159
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86-261-2	124
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86-263-2	161
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86-265-2	123A
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86-281-2	126A
86-282-2	126A
86-283-2	102A
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86-286-20	159
86-287-2	157
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86-290-2	161
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86-292-9	127
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86-297-2	102A
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86-303-2	102A
86-304-2	102A
86-305-2	102A
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86-309-2	123A
86-310-2	123A
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86-327-2	123A
86-328-2	123A
86-329-2	129
86-330-2	128
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86-339-9	123A
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86-354-2	121
86-359-2	123A
86-362-2	123A
86-363-2	160
86-365-2	123A
86-366-2	160
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86-370-2 VIO	121
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86-391-2	123A
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86-399-2	123A
86-399-9	123A
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86-485-2	123A
86-486-2	123A
86-487-2	124
86-487-3	124
86-488-2	108
86-490-2	108
86-491-2	108
86-493-2	123A
86-494-2	123A
86-495-2	123A
86-496-2	123A
86-497-2	102A
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86-539-2	123A
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86-548-2	123A
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86-552-2	159
86-554-2	123A
86-555-2	159
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86-560-2	123A
86-561-2	123A
86-563-2	165
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86-609-2	297
86-609-9	123AP
86-610-2	298
86-610-9	159
86-611-2	194
86-612-2	154
86-613-2	152
86-614-2	197
86-615-2	123AP
86-616-2	129
86-619-2	229
86-620-2	229
86-621-2	229
86-622-2	159
86-624-2	124
86-624-9	124
86-625-2	222
86-626-2	238
86-626-9	165
86-628-2	171
86-628-9	157
86-629-2	154
86-630-2	194
86-631-2	171
86-632-2	222
86-633-2	165
86-633-9	165
86-646-2	123A
86-648-2	198
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86-650-2	128
86-651-2	287
86-655-2	123AP
86-659-2	294
86-659-3	294
86-660-2	188
86-661-2	123A
86-663-2	152
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86-5001-3	116
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86-5003-3	116
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86-5005-2	103A
86-5006-2	102A
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86-5007-2	103A
86-5007-3	109
86-5008-2	103A
86-5009-2	767§
86-5009-3	116
86-5010-3	177
86-5011-2	103A
86-5011-3	177
86-5012-2	103A
86-5012-3	116
86-5013-2	103A
86-5015-2	103A
86-5015-3	177
86-5016-2	103A
86-5017-2	103A
86-5018-2	123A
86-5024-3	116
86-5026-2	103A
86-5027-2	102A
86-5027-3	177
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86-5029-2	103A
86-5029-3	116
86-5032-3	5802
86-5034-2	103A
86-5037-3	177
86-5039-2	121
86-5040-2	123A
86-5041-2	123A
86-5042-2	102A
86-5043-2	121
86-5044-2	123A
86-5045-2	123A
86-5046-2	123A
86-5047-2	103A
86-5048-2	103A
86-5049-2	123A
86-5050-2	123A
86-5051-2	123A
86-5052-2	158
86-5055-2	123A
86-5056-2	123A
86-5057-2	121
86-5058-2	121
86-5060-2	103A
86-5061-2	103A
86-5062-2	103A
86-5063-2	102A
86-5064-2	129
86-5064-2A	129
86-5065-2	123
86-5067-2	102A
86-5070-2	128
86-5073-2	128
86-5074-2	128
86-5075-2	192
86-5079-2	159(2)
86-5080-2	103A
86-5081-2	123A
86-5082-2	129
86-5082-2A	129
86-5083-2	121
86-5084-2	130
86-5084-2A	130
86-5085-2	175
86-5086-2	103A
86-5087-2	103A
86-5088-2	121
86-5089-2	121
86-5090-2	121
86-5091-2	102A
86-5093-2	128
86-5095-2	312
86-5096-2	312
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86-5099-2	123A(2)
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86-5102-2	152
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86-10003	229
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86-100002	229
86-100004	229
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86-100006	229
86-100007	229
86-100008	123A
86-100009	159
86-100010	293
86-100011	294
86-100013	177
86-100014	177
86 A 86A327	123A
86A318	102A
86A327	199
86A329	457
86A332	130
86A333	324
86A334	123A
86A335	159
86A336	123A
86A338	175
86A339	218
86A348	159
86A350	123A
86A352	188
86A353	189
86A354	323
86A355	287
86A361	175
86A362	292
86A363	123AP
86A364	159
86A378	284MP
86A404	116
86A405	109
86A406	5802
86A410	116
86A415	519
86A428	5137A
86A640	5322◆
86A803	778A
86A806	834
86A808	948
86A809	968
86A810	969
86B378	284MP
86C04	185
86P1AA	159
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86ST-MPS9750D	159
86X0006-001	123A
86X0007-001	123A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

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86X0007-004	108
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86X0007-204	108
86X0008-001	123A
86X0009-001	121
86X00011-001	102
86X006-001	123A
86X007-004	123A
86X007-034	123A
86X0011-001	126A
86X0012-001	123
86X0013-001	126A
86X0014-001	100
86X0015-001	121
86X0016-001	159
86X0016-001A	159
86X0017-001	102A
86X0018-001	102A
86X0022-001	123A
86X0024-001	704
86X0025-001	123
86X0027-001	704
86X0028-001	124
86X0029-001	123A
86X0030-001	121MP
86X0030-100	121MP
86X0031-001	123A
86X0031-002	123A
86X0031-003	123A
86X0032-001	123A
86X0033-001	131
86X0034-001	233
86X0034-001(3rdIF)	233
86X0035-001	123A
86X0036-001(Diode)	506
86X0036-001(Transistor)	159
86X0036-001A	159
86X0037-001	103A +158(CP)
86X0037-002	102A
86X0037-100	103A + 102A(CP)
86X0038-001	108
86X0040-00	123A
86X0040-001	123A
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86X0041-001A	159
86X0042-001	242
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86X0045-001	123A
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86X0047-001	159
86X0048-001	123A
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86X0050-001	123A
86X0051-001	123A
86X0052-001	319P
86X0053-001	712
86X0054-001	123A
86X0055-001	728
86X0056-001	729
86X0056-002	729
86X0058-001	123A
86X0058-002	123A
86X0058-003	123A
86X0059-001	184
86X0059-002	182
86X0060-001	107
86X0061-001	107
86X0062-001	107
86X0063-001	123A
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86X0066-001	159
86X0066-003	159
86X0067-001	310
86X0067-002	310P
86X0068-001	308
86X0068-002	308P
86X0069-001	230
86X0070-001	640Q
86X0071-001	194
86X0072-001	159
86X0073-001	188
86X0073-002	157
86X0074-001	331
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86X0076-001	228A
86X0077-001	230
86X0077-002	231
86X0078-001	231
86X0079-001	123A
86X0080-001	242
86X0080-002	241
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86X0081-001	5457
86X0081-002	5457
86X0082-001	797
86X0083-001	198
86X0084-001	815
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86X0089-001	172A
86X0090-001	123A
86X037-001	103
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86X0114-001	159
86X0115-001	171
86X0116-001	171
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86X-0118-001(Midway)	165
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86X0121-001	123AP
86X0123-001	284
86X0124-001	219
86X0127-001(CBE)	194
86X0128-001	379
86X0129-001	54
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86X6-4-518	123A
86X7-2	123A
86X7-3	123A
86X7-4	123A
86X7-6	107
86X7-6013	108
86X8-1	123A
86X8-2	123A
86X8-3	123A
86X8-4	123A
86X34-1	123A
86X45-1	123A
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86X47	159
86X53-1	712
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86X55-1	728
86X56-1	729
86X-56-1	729
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87-0006	192
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87-0013	199
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87-0016	126A
87-0017	126A
87-0018	102A
87-0019	102A
87-0020	102A
87-0021	102A
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87-0023-Q	199
87-0023Q	199
87-0023-R	199
87-0023R	199
87-0023S	199
87-0023-T	199
87-0025-Q	289A
87-0025-R	289A
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87-027-159-01	5005A
87-027-163-01	5304
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87-027-218-01	3007
87-027-219-01	519
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87-027-261-01	1515
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87-027-375-01	5015A
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87-027-386-01	5312
87-027-399-01	5014A
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87-027-511-01	969
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87-0218U	199
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87-0228	291
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87-0230-1	199
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87-0235B	199
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87S185	74S454
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87Z6A	5256A
88-051-060-01	109
88-052-188-11	109
88-0550	1115
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88-77-1	177
88-125	116
88-831	116
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93B1-21	116(3)
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96-5102-01	102A
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96-5187-01	123A
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96-5236-01	161
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96-5238-02	703
96-5239-01	703
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96-5248-04	142A
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96-5248-12	5085A
96-5249-01	5127A
96-5249-02	5120A
96-5249-03	5133A
96-5250-01	5127A
96-5250-02	5139A
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96-5255-01	123A
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96-5260-01	161
96-5262-01	189
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96-5284-01	162
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96-5290-01	123A
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96-5344-03	5130A
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96NPT	108
96S02DC	96S02
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96XZ801/34X	121
96XZ801/37N	160
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96XZ6051-28N	126A
96XZ6051-35N	126A
96XZ6051-36N	126A
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96XZ6053-09N	102
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96XZ6053/35N	123A
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When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

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99S022-1	OBS-NLA
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99S079-2	165
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99S081-1	790
99S082	712
99S082-1	712
99S083-1	196
99S084-1	159
99S085	123A
99S087-1	154
99S090-1	108
99S091-1	188
99S092-1	189
99S094	714
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99S095	715
99S095-1	715
99S096	713
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100-439	109
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100-523	139A
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100C15	5580
100C15IL	5580
100C20	5580
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100C25IL	5582
100C30	5582
100C30IL	5582
100C35	5582
100C35IL	5582
100C40	5582
100C40IL	5582
100C45	5582
100C45IL	5582
100C50	5582
100C50IL	5582
100C60	5582
100C60IL	5582
100C70	5584
100C70IL	5584
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100C80IL	5584
100C90	5584
100C90IL	5584
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100C100IL	5584
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100E50	6356
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100E60R	6357
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102-1675-12	229
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121-473	154
121-480	107
121-481	108
121-482	161
121-483	108
121-490	102A
121-491	126A
121-492	126A
121-493	126A
121-494	126A
121-495	159
121-496	159
121-497	159
121-497WHT	159
121-498	229
121-499	123AP
121-499-01	123AP
121-499-01A	123AP
121-499-01C	123AP
121-499-1	123AP
121-500	161
121-501	161
121-502	161
121-503	229
121-504	229
121-505	229
121-506	229
121-508	229
121-509	229
121-510	161
121-520	108
121-521	161
121-522	229
121-523	161
121-524	229
121-524A	229
121-526	229
121-538	160
121-538B	160
121-539	160
121-540	160
121-540B	160
121-541	160
121-541B	160
121-542	160
121-542B	160
121-543	102A
121-544	102A
121-546	229
121-546B	108
121-547	108
121-551	107
121-552	160
121-553	160
121-554	126A
121-555	126A
121-557	103A
121-558	103A
121-560	108
121-580	161
121-581	123A
121-582	124
121-584	121
121-585	316
121-585B	316
121-587	123AP
121-588	175
121-600	123AP
121-600(ZENITH)	123AP
121-601	160
121-602	159
121-603	129
121-608	159
121-610	123A
121-612	108
121-612-16	108
121-613	108
121-613-16	108
121-614	108
121-614-9	108
121-615	106
121-616	108
121-629	123A
121-630	108
121-632	102A
121-633	102A
121-634	102A
121-635	102A
121-636	102A
121-637	108
121-638	108
121-638A	108
121-638B	108
121-639	123AP
121-639B	123AP
121-639CL	128
121-640	102A
121-641	103A
121-660	123A
121-662	123A
121-671	123AP
121-675	123AP
121-676	128
121-677	123AP
121-678	123A
121-679	159
121-687	316
121-692	161
121-695	123AP
121-697	160
121-698	160
121-699	159
121-699-01	159
121-699-02	159
121-699A	159
121-701	123A
121-703	192
121-704	161
121-706	123A
121-707	185
121-708	184
121-709	185
121-710	184
121-711	123A
121-712	157
121-713	124
121-714	106
121-719	152
121-722	128
121-723	107
121-726	130
121-726A	130
121-730	123A
121-731	312
121-732	161
121-734	102
121-735	108
121-735B	107
121-737	123A
121-737CL	128
121-742	108
121-743	154
121-743-01	191
121-743-031	196
121-744	123AP
121-745	123AP
121-746	129
121-748	123AP
121-751	123A
121-752	172A
121-753	108
121-754	229
121-755	190
121-756	312
121-758	164
121-758X	164
121-759	165
121-759X	165
121-760	161
121-761	161
121-762	101
121-762CL	103A
121-764	123A
121-765	129
121-765-01	159
121-766	128
121-766-01	123AP
121-767	123AP
121-767CL	123A
121-768	123AP
121-768CL	123A
121-770	152
121-770CL	196
121-770X	152(2)
121-772CL	196
121-772X	184(2)
121-773	123A
121-773CL	128
121-774	159
121-774CL	129
121-775	161
121-776	154
121-777	154
121-777-01	154
121-779	161
121-782(FET)	222
121-783	222
121-784	222
121-785	222

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
121-786	222
121-787	222
121-787-01	222
121-792	154
121-793	121
121-795	128
121-799	161
121-803	153
121-804	152
121-808	152
121-813	128
121-819	194
121-819-01	194
121-821	164
121-822	171
121-823	161
121-824	161
121-825	123AP
121-826	222
121-827	108
121-829	162
121-830	100
121-831	165
121-834	108
121-835	108
121-836	123A
121-837	123A
121-838	159
121-841	108
121-843	154
121-844	128
121-845	129
121-846	108
121-848	108
121-849	107
121-850	123AP
121-851	108
121-853	196
121-855	229
121-855-01	229
121-856	123A
121-857	108
121-858	312
121-860	312
121-861	159
121-862	123AP
121-863	123AP
121-865	159
121-868	171
121-868-01	171
121-868-02	171
121-869	229
121-873	153
121-874	152
121-875	159
121-876	123AP
121-877	123AP
121-878	128
121-879	129
121-880	196
121-881	123AP
121-883	229
121-884	108
121-885	229
121-886	153
121-887	152
121-888	123AP
121-889	123A
121-895	123AP
121-895A	123AP
121-896	159
121-898	229
121-899	107
121-900	108
121-911	157
121-911X	396
121-921-01	152
121-922-01	152
121-924	229
121-925	108
121-926	153
121-926-01	153
121-927	152
121-927-01	152
121-931	123AP
121-932	229
121-933	159
121-950	229
121-951	229
121-952	129
121-953	222
121-954	229
121-958	108
121-966	152
121-966-01	152
121-966-02	152
121-966-03	152
121-967	196
121-968	108
121-969	292
121-969-02	153
121-970	291
121-970-02	152
121-972	123AP
121-972-01	123AP
121-973	159
121-973A	159
121-974	108
121-975	123AP
121-975A	123AP
121-976	196
121-976-01	196
121-977	197
121-977-01	197
121-978	159
121-978-01	159
121-978-03	159
121-978-03C	159
121-980	189
121-980(B.C.E.)	242
121-980(E.B.C.)	189
121-980-01	189
121-982	123AP
121-983	108
121-984	395
121-985	165
121-986	159
121-986A	159
121-987	291
121-987-02	196
121-988	292
121-988-02	197
121-989	171
121-990	171
121-992	291
121-992-01	291
121-993	286
121-994	292
121-995	229
121-996	163A
121-997	313
121-998	313
121-999	313
121-1000	229
121-1001	229
121-1002	107
121-1003	238
121-1004	123AP
121-1005	159
121-1006	152
121-1007	129
121-1008	291
121-1008-01	384
121-1009	292
121-1010	108
121-1011	108
121-1012	262
121-1013	261
121-1014	190
121-1015	165
121-1016	159
121-1017	123AP
121-1018	107
121-1019	159
121-1019A	159
121-1020	194
121-1021	159
121-1023	229
121-1024	222
121-1025	108
121-1028	286
121-1028-01	51
121-1029	165
121-1029-01	165
121-1029-02	165
121-1030	222
121-1032	102
121-1033	238
121-1034	171
121-1034-01	171
121-1034-1	171
121-1035	297
121-1036	298
121-1037	191
121-1039	379
121-1040	123AP
121-1040A	123AP
121-1043	159
121-1044	107
121-1045	85
121-1048	453
121-1051	85
121-1058	171
121-1059	159
121-1059A	159
121-1061	291
121-1061-01	54
121-1062	159
121-1063	107
121-1064	159
121-1064A	159
121-1066	455
121-1072	291
121-1072-01	291
121-1082-02	152
121-1084	123AP
121-1086-01	2312
121-1087-01	379
121-1092	165
121-1096	123AP
121-1101	159
121-1101A	159
121-1114	89
121-1124	121
121-1134	121
121-1330	100
121-1350	100
121-1360	100
121-1390	100
121-1400	100
121-1410	101
121-5065	123A
121-505501	123A
121G3019	123A
121G3020	123A
121G3051	311
121G3051D	311
121G3115	311
121G3123	311
121GI241	506
121J688-1	107
121J688-2	107
121S2	6402
121U2AT	6402
121U3AC	6402
122-1(MAG)	238
122-1(SYL)	123AP
122-2	123A
122-2(WARDS)	125
122-2(MAG)	238
122-2(SYL-Diode)	125
122-3(SYL-Diode)	125
122-3(MAG)	238
122-4(MAG)	238
122-5(SYL-Diode)	125
122-5(MAG)	238
122-6	123A
122-6(MAG)	238
122-6(RCA)	123AP
122-7	199
122-7(RCA)	123AP
122-80	116
122-229	100
122-1028	105
122-1028A	105
122-1625	121
122-1648	126A
122-1962	103
122-A484	108
122GRN	159
122N2	283
122YEL	159
123-001	724
123-002	220
123-003	312
123-004	123A
123-005	199
123-006	159
123-007	199
123-008	236
123-009	235
123-010	123A
123-011	186A
123-011A	186A
123-012	289A
123-013	109
123-015	109
123-016	177
123-017	172A
123-017(Diode)	519
123-018	506
123-019	5072A
123-020	139A
123-021	116
123-022	177
123-024	519
123-025	177
123-1(SYL)	159
123-2(SYL)	125
123-3(SYL)	125
123-4(SYL)	125
123B-002	186A
123B-003	177
123B-004	5072A
123B-005	137A
123B-006	5075A
123N1	164
123S425	128
123S-437	128
124-0028	125
124-0165	5994
124-0178	116
124-1	121
124-1(SYL)	397
124J490	116
124N1	101
124N16	123A
124-N16	101
125-1(SYL)	386
125-4(RCA)	127
125-121	128
125-402(FEDERAL)	179
125-403(FEDERAL)	179MP
125-406(FEDERAL)	179
125-410	175
125-423(FEDERAL)	179MP
125A000F01	5883
125-A000-F01	5883
125A134	102A
125A137	128
125A137A	128
125AS251	175
125B132	123A
125B133	159
125B139	128
125B410	175
125-B415	152
125B428	179MP
125C3	784
125C3RB	784
125C211	123A
125P1	159
125P1M	159
125P116	159
125PI	159
126-042-9-003	123A
126-1(SYL)	156
126-4	116
126-7(Arvin)	116
126-12	123A
126-40	909
126-1910	191
126N1	103A
126N2	103A
126P1	158
127	123A
127-1	5314
127-1(SYL-Rect)	5314
127-1(MAG-IC)	941M
127-7	101
127-115	199
127A905F01	5995
128	108
128-1(SYL)	287
128-1 (MAG-IC)	871
128-9050	130
128A157F01	5995
128A157F02	5995
128C212H01	9951
128C213H01	910
128C830H05	7493A
128N2	128
128N4	108
128RS100	5584
128RS120	5584
128WHT	123A
129-1(SYL-IC)	797
129-4	176
129-5	121
129-6	104
129-7	104
129-8	102A
129-8-1	102A
129-8-1A	102A
129-8-2	102A
129-9	121
129-10	121
129-11	100
129-13	121
129-14	123
129-15	123
129-16	123A
129-17	102
129-18	102
129-20	159
129-21	123A
129-23	175
129-27	161
129-30	103A
129-31	102A
129-32	102A
129-33	152
129-33(Pilot)	123A
129-34	159
129-34(Pilot)	159
129/181-P1	349
129/181-P2	350
129/181-P3	351
129/181-P4	320
129BRN	123A
129N1	161
129WHT	123A
130	107
130-013	5695
130-1(SYL-IC)	740A
130-104	121
130-105	5081A
130-112	107
130-138	108
130-144	77
130-144-01	77
130-146	130
130-149	159
130-150	77
130-150-01	77
130-150-012	77
130-152	316
130-152-00	316
130-152-01	316
130-152-02	316
130-172	77
130-174	77
130-176	77
130-185	161
130-185-98	316
130-191-00	128
130-196	77
130-199	77
130-199-01	77
130-199-11	77
130-200	77
130-220	316
130-224	76
130-225	76
130-240	161
130-245	195A
130-251	316
130-261-04	76
130-261-043	76
130-261-25	76
130-261-26	76
130-261-75	76
130-261-76	76
130-265	77
130-265-00	278
130-265-006	77
130-265-01	77
130-265-014	77
130-338-00	116
130-398-99	116
130-30189	177
130-30192	116
130-30256	125
130-30261	166
130-30265	177
130-30266	177
130-30274	177
130-30281	109
130-30301	109
130-30313	116
130-30702	177
130-40089	101
130-40095	102A
130-40096	103A
130-40214	123A
130-40215	123A
130-40216	199
130-40229	109
130-40236	102A
130-40294	123A
130-40304	108
130-40311	123A
130-40312	123A
130-40313	123A
130-40314	103A
130-40315	159
130-40317	123A
130-40318	123A
130-40347	103A
130-40349	131 +155(CP)
130-40352	102A
130-40357	123A
130-40362	108
130-40421	108
130-40429	159
130-40439	131 +155(CP)
130-40456	158
130-40459	108
130-40883	199
130-40896	123A
130-40901	199
130-40922	123A
130A17268	116
130L2	1V130
130ORN	107
130-VIO	107
130YE	116
131(SEARS)	108
131(ARVIN)	108
131-000561	128
131-000562	121
131-001-007	130
131-005-353-1	197
131-005807	128
131-005808	129
131-043-67	130
131-045-60	128
131-045-61	129
131-04367	130
131-04560	128
131-04561	129
131-1(MAG)	210
131-1(SYL-IC)	1374
131-2(MAG)	210
131-2(SYL-IC)	1374
131-3(SYL-IC)	1374
131-4(SYL-IC)	1374
131-5(SYL-IC)	1376
131-6(SYL-IC)	1374
131A	113A
131A246F01	5995
131A246F02	5995
131AS471	941
131N2	191
131N2(Maganvox)	188
131N2(Magnavox)	188
131N2G	152
132-001	102A
132-002	123A
132-003	171
132-004	123A
132-005	123A
132-007	129
132-008	161
132-009	161
132-010	102A
132-011	123A
132-014	171
132-015	108
132-017	123A
132-018	123A
132-019	160
132-020	160
132-021	123A
132-021B	128
132-022	128
132-023	123A
132-024	185
132-025	162
132-026	123A
132-027	160
132-028	124
132-029	234
132-030	123A
132-031	234
132-032	129
132-033	124
132-038	128
132-039	129
132-041	123A
132-042	123A
132-045	221
132-046	184
132-047	221
132-048	220
132-049	312
132-050	123A
132-051	123A
132-052A	172A
132-054	123A
132-055	123A
132-056	159
132-057	123A
132-059	124
132-062	123A
132-063	123A
132-065	175
132-066	128
132-069	123A
132-070	130
132-072	184
132-074	159
132-075	123A
132-076	161
132-077	123A
132-078	157
132-079	185
132-080	184
132-081	184
132-082	161
132-085	130
132-087	161
132-090	102A
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132-2	151A
132-3	152
132-4	152
132-4(RCA)	152
132-5	196
132-5(RCA)	196
132-90	102A
132-185	161
132-501	123A
132-502	123A
132-503	123A
132-504	123A
132-515	124
132-516	124
132-521	124
132-522	124
132-523	124
132-524	124
132-525	124
132-526	124
132-539	123A
132-540	123A
132-541	130
132-542	130MP
132N1	128
133-001	726
133-001B	726
133-002	710
133-003	724
133-004	725
133-005	724
133-0021-0	904
133-1	188
133-1(RCA)	188
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133P00195	7430
133P100	9109
133P80014	7430
133P80026	7483
133P80029	7492
133P80057	909
133P80067	941D
133P80104	941M
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134/060-P3	320
134/060-P4	320
134-1	189
134-1(RCA)	189
134/104-P1	339
134/164-P1	363
134/164-P2	363
134/171-P1	367
134/171-P2	367
134/239	366
134B1037	717
134P1	234
134P1A	159
134P1AA	129
134P1M	159
134P2	129
134P4	159
134P4AA	159
134P4M	159
135-1(RCA)	130
135-3	116
135C4L	116
135C44322-542	123A
135N1	154
135N1M	154
135ORN	123A
135P4	117A
136-000100	358
136-000200	358
136-000300	358
136-3(RCA)	172A
136P1	106
136RED	123A
137(Admiral)	159
137-003	5697
137-684	125
137-718	116
137-737	5802
137-759	145A
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139-1(MAG)	229
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139-3(MAG)	108
139-4	108
139-4(Coronado)	161
139-5(MAG)	108
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140-002	177
140-013	116
140N1C	130
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141 402	161
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142-002	199
142-002(Regency)	199
142-002(Rect.)	125
142-003	199
142-004	152
142-005	289A
142-006	186A
142-006(Diode)	177
142-006(Regency)	186A
142-007	282§
142-008	152
142-009	177
142-02	4049
142-05	4007
142-06	4013B
142-07	4024B
142-08	4040B
142-09	4016B
142-010	177
142-011	109
142-012	139A
142-013	116
142-014	116
142-015	5075A
142-016	5071A
142-1(SYL)	125
142-2(SYL)	125
142-3	123A
142-3(SYL)	125
142-4	123A
142-10	4017B
142-11	4022B
142-13	4015B
142-21	4053B
142-23	4002B
142-27	4001B
142N1	289A
142N1P	161
142N3	123AP
142N3T	123A
142N4	123A
142N5	123A
142N6	108
143-05	960
143-1	912
143C08	964
144-1	519
144-3	177
144-4	154
144-7001-02	116
144-7013-01	142A
144-7015-01	166
144-7016-01	519
144-7039-01	159
144A-1	121
144A-1-12	121
144A-1-12-8	121
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144N1G	403/171
144N2	171
144N6	154
145-1(SYL)	191
145-2(Syl.)	171
145-100	140A
145-118	139A
145-470	5088A
145A9254	116
145A9786	116
145aa	4511B
145N1	161
145N1(Last IF)	233
145N1P	161
145-T1B	126A
146-1(MAG)	194
146-3(MAG)	194
146-5(MAG)	194
146B-3	121MP
146B-3-12	121MP
146B-3-12-8	121MP
146D1	178MP
146D1B112	178MP
146N3	123A
146N5	123A
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167-009A	1196
167-013A	749
167-014A	747
167-018A	712
167-019A	712
167-1	615A
167-9	192
167J2	125
167LM1011N	2003

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
167N1	123A
167N2	123A
168-002A	5455
168-003A	5404
168-9	193
168-107-001	177
168J2	156
168N1	123A
168P1	121MP
169-257	124
169-284	124
170(RCA)	161
170(SONY)	1303
170-1	583
170-9	128
171-001-9-001	121
171-003-9-001	124
171-015-9-001	121
171-016-9-001	131
171-043(RCA)	558
171-1	116
171-2	116
171-9	129
171-31(RCA)	558
171-37(RCA)	552
171-39(RCA)	525
171DIP-72	F1A005%
171DIP-75	F1A024%
171DIP-120	F1A005C%
171DIP-135	F1A005C%
171DIP-158	F2A005%
171DIP-160	F2A012%
171DIP-161	F2A024%
171P1(GE)	366
171P2(GE)	480
172(SONY)	1304
172-001	224
172-001-9-001	224
172-003-9-001	130
172-003-9-001A	130
172-006-9-001	186
172-007-9-001	237
172-008-9-001	237
172-009-9-001	237
172-010-9-001	152
172-011-9-001	186A
172-013-9-001	236
172-014-9-001	152
172-014-9-002	282§
172-014-9-003	152
172-014-9-007	152
172-024-9-001	186A
172-024-9-002	235
172-024-9-003	236
172-024-9-004	152
172-024-9-005	130
172-026-9-001	152
172-028-9-001	235
172-029-9-001	236
172-029-9-001(R.F.Pwr)	236
172-031-9-003	152
172-038-9-001	295
172-038-9-002	235
172-038-9-003	186A
172-040-9-001	130
172-050-9-001	85
172-051-9-001	294
172-1(SYL)	506
172-2(SYL)	506
172-8(Coronado)	171
172DIP-145	F1C012%
172DIP-146	F1C024%
173(SONY)	1305
173-1(Sylvania)	312
173-1(SYL)	220
173-15	5075A
173A04490-1	108
173A04490-2	108
173A419-2	121
173A3936	121
173A3963	121
173A3970	102
173A3981	116
173A3981-1	116
173A4057	123A
173A4348	102A
173A4349	102A
173A4389-1	102A
173A4390	102A
173A4391	128
173A4393	116
173A4399	123A
173A4416	123A
173A4419	121
173A4419-1	121
173A4419-2	121
173A4419-3	121
173A4419-4	121
173A4419-5	121
173A4419-6	121
173A4419-7	121
173A4419-8	121
173A4419-9	121
173A4419-10	121
173A4420	121
173A4420-1	121
173A4420-5	121
173A4421-1	121
173A4422-1	121
173A4424	120
173A4436	121
173A4469	121
173A4470-11	123A
173A4470-13	123A
173A4470-32	123A
173A4483-1	159
173A4483-2	159
173A4489-2	128
173A4490-5	128
173A-4490-5	128
173A4490-7	152
173A-4490-7	152
173A4491-2	130
173A4491-2A	130
173A4491-4	130
173A4491-5	152
173A-4491-5	152
173A4491-7	130
173A4491-8	152
174-002-9-001	103A
174-1	116
174-1(SYL)	125
174-1(TRANSISTOR)	171
174-1(Philco)	190
174-2	116
174-2(SYL)	125
174-2(Syl.)	171
174-3	116
174-3(SYL)	125
174-3A82	100
174-4(SYL)	156
174-5(SYL)	125
174-14809-72	5008A
174-20989-16	180
174-20989-17	284
174-20989-18	124
174-20989-20	284
174-20989-21	181
174-20989-22	130
174-20989-23	124
174-20989-25	283
174-20989-26	281
174-20989-29	124
174-22826-03	5214A
174-22826-04	5191A
174-22826-06	5202A
174-22826-08	5188AK
174-22826-10	5197AK
174-22826-11	5204A
174-22826-16	5196A
174-22826-22	5204AK
174-22826-23	5181A
174-22826-24	5188A
174-22826-26	5177A
174-25566-01	129
174-25566-9	316
174-25566-21	128
174-25566-30	123
174-25566-36	129
174-25566-40	159
174-25566-48	108
174-25566-50	128
174-25566-58	159
174-25566-60	311
174-25566-62	129
174-25566-63	128
174-25566-66	123A
174-25566-73	159
174-25566-74	129
174-25566-76	128
174-25566-77	123A
174-25566-78	128
174-25566-79	159
174-25566-80	123A
174-25566-81	159
174-25566-83	123
174-25566-84	123A
174-25566-85	316
174-25566-86	159
174-25566-88	159
174-25566-90	288
174-25566-95	159
174-25566-97	128
174-25566-98	287
174-25566-99	159
174-25567-03	159
174-25567-04	287
174-25567-07	123A
174-25567-15	159
174-25567-16	159
174-25666-91	316
174-26999-02	6401
174-26999-05	221
174-26999-08	466
174-26999-16	6402
174-28723-09	6402
174-56225-05	5002A
175-006-9-001	102A
175-007-9-001	102A
175-008-9-001	102A
175-010-9-001	153
175-1(SYL)	172A
175-2	172A
175-2(Philco)	172A
175-2(SYL)	172A
175-3	172A
175E05	6354
175E05R	6355
175E10	6354
175E10R	6355
175E20	6354
175E20R	6355
175E30	6354
175E30R	6355
175E40	6354
175E40R	6355
175E50	6356
175E50R	6357
175E60	6356
175E60R	6357
175E70	6358
175E70R	6359
175E80	6358
175E80R	6359
175E90	6358
175E90R	6359
175E100	6358
175E100R	6359
175PA50	5591
175PA60	5591
175PA80	5592
175PA100	5592
175PA110	5592
175PA120	5592
175RA60	5587
175RA80	5589
175RA100	5589
175RA110	5589
175RA120	5589
175RC10	5587
175RC20	5587
175RC30	5587
175RC40	5587
175RC60	5587
175RC80	5589
176-003	108
176-003-9-001	108
176-004	128
176-004-9-001	108
176-005	108
176-005-9-001	108
176-006	108
176-006-9-001	108
176-006-9-002	199
176-007	108
176-007-9-001	108
176-008-9-001	123A
176-02-9-001	199
176-014-9-001	123A
176-016-9-001	289A
176-017-9-001	123A
176-018-9-001	195A
176-024-9-001	123A
176-024-9-002	235
176-024-9-003	236
176-024-9-004	186
176-025-9-001	199
176-025-9-002	107
176-026-9-001	229
176-029-9-001	289A
176-029-9-002	195A
176-029-9-003	195A
176-029-9-004	295
176-031-9-001	289A
176-031-9-002	199
176-033	194
176-033-9-001	194
176-037-9-001	229
176-037-9-002(NPN)	298
176-037-9-002(PNP)	299
176-037-9-003	199
176-037-9-004	199
176-039-9-001	229
176-040-9-001	130
176-042-9-001	229
176-042-9-002	123A
176-042-9-003	199
176-042-9-004	199
176-042-9-005	186A
176-042-9-006	289A
176-042-9-007	152
176-043-9-002	289A
176-044-9-001	236
176-044-9-002	316
176-044-9-003	316
176-047-9-001	289A
176-047-9-002	123A
176-047-9-003	123A
176-048-9-001	289A
176-048-9-002	289A
176-049-9-001	123AP
176-049-9-002	289A
176-049-9-003	316
176-050	123AP
176-050-9-001	123AP
176-054-9-001	123A
176-055-9-004	152
176-056-9-001	229
176-056-9-003	229
176-056-9-005	297
176-056-9-006	199
176-060-9-001	229
176-060-9-002	229
176-060-9-003	199
176-060-9-004	295
176-062-9-001	199
176-065-9-001	229
176-070-9-001	322
176-072-9-005	233
176-073-9-001	107
176-073-9-002	236
176-073-9-003	315
176-073-9-012	236
176-074-9-001	229
176-074-9-002	295
176-074-9-003	235
176-074-9-004	128
176-075-9-001	229
176-075-9-002	123A
176-075-9-003	229
176-075-9-004	199
176-075-9-005	199
176-075-9-006	295
176-075-9-007	235
176-075-9-008	306
176-081-9-001	229
176-081-9-002	229
176-081-9-003	229
176-081-9-004	235
176-082-9-001	229
176-085-9-001	229
176-085-9-002	108
176-085-9-003	128
176-087-9-001	295
176-087-9-002	236
176-089-9-002	229
176-089-9-003	85
176-089-9-004	289A
176-089-9-005	295
176-089-9-007	235
176-095-9-001	85
176-1(SYL)	171
176-121-9-001	199
176-121-9-002	199
176-979001	107
177(SONY)	1306
177-001	129
177-001-9-001	129
177-006-9-001	159
177-006-9-002	290A
177-007-9-001	234
177-012-9-001	159
177-015	159
177-015-9-001	159
177-018-9-001	294
177-019-9-002	290A
177-019-9-003	159
177-020-9-001	294
177-023-9-001	153
177-024-9-001	290A
177-025-9-001	290A
177-025-9-002	129
177-027-9-001	234
177-032-9-001	159
177-037-9-001	159
177-045-9-002	153
177-051-9-001	153
177A01	798
177A01A	798
177A02	748A
177A03	738
177A05	749
177A07	767§
177A-1-82	105
177B01	798
177B02	748A
177B-1-82	121MP
177C-1-82	121MP
178-1(Philco)	193
178-1(SYL)	193
178-12(Admiral)	159
178RS100	5584
178RS120	5584
179-062-9-001	199
179-065-9-001	229
179-081-9-003	229
179-1(SYL)	5099A
179-1(MAG-Diode)	177
179-1(NAP)	285
179-2(MAG-Diode)	177
179-2(SYL)	145A
179-2(NAP)	284
179-3(NAP)	37
179-3(MAG-Diode)	177
179-4	140A
179-4(SYL)	140A
179-4(Admiral)	161
179-4(NAP)	36
179-5(SYL)	5079A
179-6(SYL)	142A
179-7(SYL)	5097A
179-7(RCA)	109
179-8(SYL)	5082A
179-10(SYL-Zener)	5096A
179-12(SYL-Zener)	5094A
179-13(SYL-Zener)	135A
179-14(SYL)(Zener)	142A
179-14(SYL-Zener)	142A
179-46444-01	9910
179-46444-02	9914
179-46444-03	9915
179-46444-04	OBS-NLA
179-46444-05	9913
179-46445-01	9932
179-46445-02	9933
179-46445-03	9937
179-46445-05	9948
179-46445-06	9949
179-46445-08	9961
179-46445-09	9963
179-46445-10	9094
179-46447-01	910
179-46447-03	909D
179-46447-07	923
179-46447-08	941
179-46447-16	911
179-46447-17	940§
179-46447-21	915
179-46447-25	973D
179-46447-33	973
179-46447-40	778A
179-46447-55	941M
179-46448-82	74LS197
179-54142-02	4049
179-54142-03	4011B
179-54142-04	4023B
179-54142-05	4007
179-54142-06	4013B
179-54142-07	4024B
179-54142-08	4040B
179-54142-09	4016B
179-54142-10	4017B
179-54142-11	4022B
179-54142-13	4015B
179-54142-21	4053B
179-54142-23	4002B
179-56227-01	74S112
179-56227-02	74S20
179-56227-03	74S140
179-56227-04	4021B
179-56227-05	4066B
179-56228-02	973D
179-56228-03	941D
179-56228-05	996
179-56228-07	740A
179-56228-11	925
179-56228-12	989
179-56228-15	992
179-56228-18	4050B
179-56228-19	3042
179-56228-20	3045
179-56228-21	3045
179N2	130
179N2B	284
179P1	219
180-1	116
180-1(SYL)	188
180-52-6302	4000
180N1	233
180T2	130
180T2A	130
180T2B	130
180T2C	130
180Z	1V115
181(SONY)	1307
181-000100	760
181-000200	718
181-003-9-001	6408
181-005-9-001	5461
181-00200	718
181-1(SYL)	389
181-1(MAG-Diode)	519
181-1F(MAG-Diode)	519
181-2(SYL)	389
181-2(MAG-Diode)	519
181-3(SYL)	389
181-3(MAG-Diode)	519
181-12(Admiral)	123A
181P1(GE)	349
181P2(GE)	350
181P3(GE)	351
181P4(GE)	320
181T2A	130
181T2B	280
181T2C	130
182-009-9-001	312
182-01(Zen)	4081B
182-07(Zen)	4075B
182-08(Zen)	4001B
182-014-9-002	312
182-014-9-003	312
182-015-9-001	312
182-021-9-001	312
182-028-9-001	312
182-029-0-001	312
182-029-9-001	312
182-037-9-001	312
182-038-9-001	222
182-038-9-001(Diode)	109
182-039-9-001	312
182-042-9-001	222
182-044-9-001	312
182-044-9-002	312
182-045-9-001	312
182-046-9-001	312
182-048-9-001	312
182-049-001	221
182-049-9-001	222
182-055-9-001	312
182-056-9-001	312
182-1(SYL)	162
182-2(SYL)	162
182-12(Admiral)	123AP
182-30-3801	123AP
182-138-9-001	222
182B2003JDP1	128
182T2A	284
182T2B	284
182T2C	284
183-1(SYL)	5421
183-11(Admiral)	154
183P1	129
183T2A	283
183T2B	283
184-1(SYL)	6402
184-1(MAG-Diode)	506
184-2(MAG-Diode)	506
184-12(Admiral)	123A
184-12(Coronado)	199
184A-1	121
184A-1-12	121
184A-1-12-7	121
184A-1L	121
184A-1L8	121
184G(Korea)	123AP
184R	313
184T2A	283
184T2B	283
184T2C	162
185-001	186A
185-002	229
185-003	123A
185-004	123A
185-005	199
185-006	289A
185-007	152
185-008	282§
185-009	123A
185-010	199
185-011	177
185-012	177
185-013	109
185-014	116
185-015	139A
185-1(SYL)	210
185-6(RCA)	116
185-8	5603
185-9-01	5635
185-9-02	5635
185-12(Admiral)	159
185-12(Coronado)	159
185-736	175
185T2A	283
185T2B	283
186-001	229
186-002	123A
186-003	199
186-004	199
186-005	199
186-006	289A
186-007	123A
186-008	186A
186-009	186A
186-010	282§
186-011	177
186-011(Transistor)	282§
186-011(Diode)	177
186-012	177
186-013	109
186-014	116
186-015	177
186-016	139A
186-1(SYL)	147A
186-1(MAG-IC)	4016B
186-11(Admiral)	165
186-11(Coronado)	165
186-12(Admiral)	165
186B-3	121MP
186B-3-12	121MP
186B-3-127	121MP
186B-3L	121MP
186B-3L8	121MP
186N1	161
186N1(Last IF)	233
187-1	150A
187-1(SYL)	5047A
187-2	151A
187-2(SYL)	5050A
187-3	5029A
187-3(SYL)	5029A
187-4(SYL)	5031A
187-5(SYL)	5048A
187-6	140A
187-6(SYL)	5019A
187-7	5081A
187-7(SYL)	5019A
187-10(SYL)	5055A
187-11(SYL)	5021A
187-12	136A
187-12(SYL)	5011A
187-12(Coronado)	196
187-12(Admiral)	291
187-13(SYL)	5052A
187-13(Mag-Zener)	5052A
187-14(SYL)	5006A
187-15	5082A
187-15(SYL)	5032A
187-16(SYL)	5033A
187-17(SYL)	5007A
187-18(SYL)	5024A
187-19	5068A
187-19(SYL)	5008A
187-21(SYL)	5022A
187-23(SYL)	5030A
187-24(SYL)	5020A
187-26(SYL)	5015A
187-27(SYL-Zener)	5107T2
187-29(SYL)	5028A
187-31(SYL-Zener)	5029A
187-32(SYL-Zener)	5005A
187-33(SYL-Zener)	5035A
187-35(SYL-Zener)	5046A
187-36(SYL-Zener)	5027A
187-37(SYL-Zener)	5035A
187-38(SYL-Zener)	5016A
187-39(SYL-Zener)	5013T1
187-40(SYL-Zener)	5010A
187-45(SYL-Zener)	5015A
188-1(SYL)	182
188-1(RCA)	123AP
188-2(SYL)	130
188-5	5675
188-12(Coronado)	197
188-12(Admiral)	292
188-68-35	120
188-70-48	120
188-826	121
188B-1-82	160
188C-1-82	100
188P-2	102A
188P-2-12	102A
188P-2-127	102A
188P-2L	102A
188P-2L8	102A
189	108
189-1(MAG-IC)	857M
189-1(SYL)	507
189-2(MAG-IC)	857M
189-2(Admiral)	159
189-2(MAG)	165
189-30-8484	163A
189L-4	102A
189L-4-12	102A
189L-4-127	102A
189L-4L	102A
189L-4L8	102A
189N1	238
189N1G	238
190-1(SYL)	168
190-1(SQUARE)	5314
190-1(ROUND)	5304
190-2(MAG)	171
190-3(MAG)	171
190A	6104
190AR	6105
190B	6104
190BRR	6105
190CR	6105
190D	6104
190DR	6105
190N1	171
190N1C	184
190N1D	190
190N3	184
190N3C	184
190N4	171
190P	6104
190PA	6104
190PB	6104
190V039H18	118
191-12(Admiral)	123A
191-12(Coronado)	199
192-1A82	105
192-10(Coronado)	124
192-10(Admiral)	124
192-11(Admiral)	171
192-100(MAG-Zener)	140A
192-101(MAG-Zener)	5096A
192-110(MAG-Zener)	5074A
192-111(MAG-Zener)	151A
192-120(MAG-Zener)	142A
192-121(MAG-Zener)	5097A
192-130(MAG-Zener)	143A
192-131(MAG-Zener)	5098A
192-150(MAG-Zener)	145A
192-151(MAG-Zener)	5100A
192-160(MAG-Zener)	5075A
192-180(MAG-Zener)	5077A
192-181(MAG-Zener)	5103A
192-200(MAG-Zener)	5079A
192-201(MAG-Zener)	5105A
192-220(MAG-Zener)	5080A
192-240(MAG-Zener)	5081A
192-270(MAG-Zener)	146A
192-300(MAG-Zener)	5084A
192-330(MAG-Zener)	147A
192-339(MAG-Zener)	5066A
192-360(MAG-Zener)	5085A
192-369(MAG-Zener)	134A
192-390(MAG-Zener)	5086A
192-399(MAG-Zener)	5067A
192-430(MAG-Zener)	5087A
192-439(MAG-Zener)	5068A
192-470(MAG-Zener)	5088A
192-479(MAG-Zener)	5069A
192-510(MAG-Zener)	5089A
192-519(MAG-Zener)	135A
192-560(MAG-Zener)	5090A
192-569(MAG-Zener)	136A
192-620(MAG-Zener)	149A
192-629(MAG-Zener)	137A
192-680(MAG-Zener)	5092A
192-689(MAG-Zener)	5071A
192-750(MAG-Zener)	5093A
192-759(MAG-Zener)	138A
192-820(MAG-Zener)	150A
192-829(MAG-Zener)	5072A
192-910(MAG-Zener)	5095A
192-919(MAG-Zener)	139A
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194-12(Admiral)	5404
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195TE1A1G-24G F1A024▲	
195TE1A1N-5S F1A005	
195TE1A1N-12G ... F1A012	
195TE1A1N-24G ... F1A024	
195TE1A6F-5S. F1A005C▲	
195TE1A6N-5S ... F1A005C	
195TE2A1E-5G .. F2A005%	
195TE2A1E-12G F2A012%	
195TE2A1E-24S. F2A024%	
195TE2A1G-5G.... F2A005	
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200-018	175
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200-846	123A
200-856	103A + 158(CP)
200-862	123A
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200-6582	156
200-6582-22	117A
200A	103
200AGEL3731	127
200AGEO3730	127
200R1B	156
200R3B	5804
200R5B	5806
200R6B	5806
200R7B	156
200R8B	156
200R9B	156
200R10B	156
200RB4	5804
200X408S-415	290A
200X2100-022	1004
200X2110-269	712
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200X2120-033	1080
200X2300-033	1471
200X2501-708	1196
200X2600-149	615A
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200X2700-059	1758
200X3110-607	94
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200X8000-026	109
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201-25-4343-12	108
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201-254323-13	108
201-254343-12	108
201-254343-13	107
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201-254343-26	161
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202-5-2320-13210	125(2)
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202-5-3210-06213	5013T1
202-5-3210-12010	5021T1
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202-5-3210-13020	5022A
202-5-3210-15010	5024A
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202E(SCR)	5507
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203-5-5000-53640	85
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203-5-5251-57079	199
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203-5-5500-92960	107
203-5-5500-93040	107
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203-5-6500-04140	451
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203-5-6800-65950	290A
203-5-6810-65950	290A
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203E(SCR)	5527
203F(SCR)	5527
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205A2-210	102A
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206-5-0081-20113	1003
206-5-0081-20122	1003
206-5-0081-20123	1003
206-5-0131-22210	1227
206-5-0151-23010	788
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206-5-0191-24510	1608
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207A16	175
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207A17	199
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207A29	123A
207A30	152
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209-862	123A
209-863	123A
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212-110	501B
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212-132	521
212-133	521
212-134	521
212-135	521
212-136	521
212-137	521
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212-139	521
212-139-01	521
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212-140	521
212-140-01	521
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212-141-01	523/3306
212-141-02	526A
212-141-03	526A
212-141-04	526A
212-141-05	526A
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212-Z9535	535
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217N2	130
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217N5	130
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221-64	1112
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221-79-01	722
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221-86	836
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221-86-1	815
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221-87-01	982
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221-91-01	801
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221-97-01	843
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221-105-01	701
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221-106-01	702
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227-2(MAG)	50
227-3(MAG)	50
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229-1200-29	112
229-1200-36	123A
229-1301-19	177
229-1301-20	177
229-1301-21	5400
229-1301-22	161
229-1301-23	199
229-1301-24	123A
229-1301-25	506
229-1301-26	190
229-1301-27	172A
229-1301-28	193
229-1301-29	5097A
229-1301-30	5079A
229-1301-31	5097A
229-1301-34	196
229-1301-35	152
229-1301-36	153
229-1301-37	192
229-1301-38	193
229-1301-39	794
229-1301-40	792
229-1301-41	790
229-1301-42	747
229-1301-43	795
229-1301-44	738
229-1301-63	165
229-1301-64	130
229-5100-15U	108
229-5100-15V	108
229-5100-31V	161
229-5100-32	161
229-5100-32V	161
229-5100-33V	108
229-5100-224	108
229-5100-225	108
229-5100-226	108
229-5100-227	126A
229-5100-228	108

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
229-5100-231	109
229-5100-232	116
229-5100-233	116
229-5100-234	116(3)
229-5100-235	506
230-0006	109
230-0014	177
230-0023	139A
231-0000-01	158
231-0000-03	102A
231-000-001	102A
231-0001-01	289A
231-0002	199
231-0003	179
231-0004	130
231-0004-01	199
231-0004-02	123A
231-0004-03	123AP
231-0006-03	179
231-0008	175
231-0009	102
231-006B	121
231-0011	121
231-0013	128
231-0014	130
231-0015	121
231-0018	172A
231-0020	185
231-0021	183
231-0023	188
231-0024	189
231-0025	123AP
231-0026	159
231-0027	159
231-0028	123AP
231-0029	159
231-0032	129
231-0033	289A
231-0034	290A
231-0036	189
231-0037	188
231-0038	194
231-0039	288
231-0040	181
231-0041	180
231-0042	123AP(2)
231-0043	159
231-0044	123AP
231-0045	123AP
231-0046	241
231-0048	6402
231-0051	159
231-0052	181
231-0053	123AP
231-0058	183
231-0059	182
231-0066	271
231-0067	287
231-0068	288
231-0070	263
231-0073	457
232-0001	116
232-0006	116
232-0006-02	177
232-0007	5875
232-0008	5983
232-0008-02	5983
232-0009-01	143A
232-0009-11	145A
232-0009-21	5079A
232-0009-31	142A
232-0012	5187A
232-0014	5874
232-0014-01	5875
232-0015	5072A
232-0016	5452
232-0017	116
232-0018	177
232-0020	5069A
232-0021	156
232-0023	5015A
232-0024	140A
232-0025	177
232-0026	3018
232-0028	135A
232-0029	5117A
232-0030	142A
232-0034	5412
232-0035	5874
232-0040	135A
232-0042	5313
232-1(MAG)	123AP
232-2(MAG)	123AP
232-1006	116
232-1009	116
232-1011	116
232N1	123AP
232N2	123AP
233(SEARS)	128
233N1	53
233N1C	53
233N1D	53
233N2	53
235	100
235-8(SYL)	109
236-0002	9932
236-0003	9946
236-0004	9093
236-0005	7400
236-0006	7403
236-0007	7404
236-0008	7405
236-0009	7473
236-0012	9807
236-0015	9601
236-0017	9962
236-0018	7420
236-0021	7486
236-0022	941D
236-0023	778A
236-0024	4001B
236-0025	4016B
236-0025-1	4016B
236-0026	4011B
236-0027	4013B
236-0028	4030B
236-0029	7408
236-0030	7486
236-0031	4006B
236-0032	4024B
236-0033	980
236-0035	902
236-0036	910D
236-0038	976
236-0039	7426
236-0040	7474
236-0041	74164
236-0042	7402
236-0043	7409
236-0044	7420
236-0045	7430
236-0046	7432
236-0047	74198
236-0048	2102
236-0055	951
236-0059	74H86
236-0061	4015B
236-0062	4023B
236-0063	4069
236-0064	955M
236-0065	4071B
236-0066	4081B
236-0070	74C00
236-0073	969
236-0075	968
236-0082	931
236-0085	2041§
236-0090	4042B
236-0091	4043B
236-0092	4050B
236-0093	4051B
236-0094	4072B
236-0095	4073B
236-0096	4075B
236-0097	4082B
236-0098	4034B
236-0100	4078B
236-0101	4520B
239-0019	5455
239-11(MAG-Diode)	125
239A7920	196
239A7921-1	197
239P1(GE)	480
239P2(GE)	480
240A10	A40240
240A25	A40240
240A45	A40240 ◆
240D3	B40240
240D5	B40240
240D10	B40240
240D25	B40240
240D45	B75240
240E05	6106
240E05R	6107
240E10	6106
240E10R	6107
240E20	6106
240E20R	6107
240E30	6106
240E30R	6107
240E40	6106
240E40R	6107
240E50	6106
240E50R	6107
240E60	6106
240E60R	6107
240E70	6106
240E70R	6107
240E80	6106
240E80R	6107
240E90	6106
240E90R	6107
240E100	6106
240E100R	6107
240E120	6106
240E120R	6107
240PAL50	5380
240PAL60	5380
240PAL80	5381
240PAL100	5381
240PAL110	5381
240PAL120	5381
240PAM10	5380
240PAM20	5380
240PAM30	5380
240PAM40	5380
240PAM50	5380
240PAM60	5380
240PAM80	5381
240PAM100	5381
241-15A	160
241ABNG4148	519
241B	128
242-997	6401
242-P1(GE)	367
243-P1(GE)	367
245-1(MAG-IC)	74LS123
245-2(MAG-IC)	74LS123
245N1	163A
245N1B	280
245N2	163A
245N2B	280
246-1(MAG-Bridge)	167
246-1(BEC-MAG)	395 ◆
246-2(BEC-MAG)	395 ◆
246P	159
246P1	159
247-016-013	108
247-1	112
247-3(SYL)	116
247-255	116
247-256	103A
247-257	123A
247-621	116
247-623	102A
247-624	121
247-625	128
247-626	128
247-629	123A
247-2222	123AP
247AS-C0450-001	923
247AS-C1249-001	123A
248-38104-1	128
249-1L	229
249-519(MAG-Zener)	5010T1
249-629(NAP-Zener)	5013T1
249N1	229
250(7MM-MOV)	1V150
250-0359	152
250-0373	199
250-0380	229
250-0711	199
250-0712	123A
250-1(MAG)	171
250-1(SYL)	600
250-2(MAG)	171
250-3(MAG)	171
250-1213	289A
250-1312	199
250BC15	6354
250DC15	6354
250FC15	6354
250GC15	6354
250JB05L	5322
250JB05P	5322
250JB1L	5322
250JB1P	5322
250JB2L	5322
250JB2P	5322
250JB4L	5324
250JB4P	5324
250JB6L	5326
250JB6P	5326
250JB8L	5327
250JC15	6356
250L4	1V250
250LC15	6358
250N3(MAG)	171
250NC15	6358
250NR25	524V15
250PA50	5591
250PA60	5591
250PA80	5592
250PA100	5592
250PA110	5592
250PA120	5592
250PAC10	5590
250PAC20	5590
250PAC30	5591
250PAC40	5591
250PAC50	5591
250PAC60	5591
250PAL10	5380
250PAL20	5380
250PAL30	5380
250PAL40	5380
250PAL50	5380
250PAL60	5380
250PAM10	5380
250PAM20	5380
250PAM30	5380
250PAM40	5380
250PAM50	5380
250PAM60	5380
250R1B	5801
250R2B	5802
250R3B	5804
250R4B	5806
250R5B	5806
250R6B	5806
250R7B	5808
250R8B	5808
250R9B	5809
250R10B	5809
250RA50	5587
250RA60	5587
250RA80	5589
250RA100	5589
250RA110	5589
250RA120	5589
250RL60	5377
250RL80	5378
250RL100	5378
250RL110	5378
250RL120	5378
250RM60	5377
250RM80	5378
250RM100	5378
250RM110	5378
250RM120	5378
251(5MM-MOV)	1V150
251-1(MAG-Diode)	519
251-2	519
251-2(WARDS)	519
251-2(MAG-Diode)	519
251F4S	6357 ◆
251F5S	6357 ◆
251F6S	6357 ◆
251F8S	6359 ◆
251F10S	6359 ◆
251M1	103
251RA50	5587 ◆
251RA60	5587 ◆
251RA80	5589 ◆
251RA100	5589 ◆
251RA110	5589 ◆
251RA120	5589 ◆
251RC10	5587
251RC20	5587
251RC30	5587
251RC40	5587
251RC50	5587
251RC60	5587
251RC80	5589
251RL60	5377 ◆
251RL80	5378 ◆
251RL100	5378 ◆
251RL110	5378 ◆
251RL120	5378 ◆
251RLD60MX	5377
251RLD110MX	5378
251RM60	5377 ◆
251RM80	5378 ◆
251RM100	5378 ◆
251RM110	5378 ◆
251RM120	5378 ◆
252-1(MAG-Zener)	177
252-2(MAG)(Diode)	177
252-2(WARDS)	177
252-113002-001	911
253-1(MAG-Zener)	5099A
253-4(MAG-Zener)	140A
253-5	5079A
253-5(MAG-Zener)	5079A
253-6(MAG-Zener)	142A
253-7(MAG-Zener)	5097A
253-8(MAG-Zener)	5082A
253-10(MAG-Zener)	5096A
253-12(MAG-Zener)	5094A
253-13(MAG-Zener)	135A
253-14(MAG-Zener)	142A
253-9000-922	123A
254-1(MAG-Zener)	5047A
254-2(MAG-Zener)	5050A
254-3(MAG-Zener)	5029A
254-4(MAG-Zener)	5031A
254-5(MAG-Zener)	5048A
254-6(MAG-Zener)	5019A
254-7(MAG-Zener)	5019A
254-10	5055A
254-10(MAG-Zener)	5055A
254-11	5021A
254-11(MAG-Zener)	5021A
254-12(MAG)(Zener)	5011A
254-13(MAG-Zener)	5052A
254-14(MAG-Zener)	5006A
254-15(MAG-Zener)	5032A
254-16(MAG-Zener)	5033A
254-17(MAG-Zener)	5007A
254-18(MAG-Zener)	5024A
254-19(MAG-Zener)	5008A
254-20(MAG-Zener)	5052A
254-21(MAG-Zener)	5022A
254-24(MAG-Zener)	5020A
254-26(MAG-Zener)	5015A
254-27	5107T2
254-27(MAG-Zener)	5107T2
254-29(MAG-Zener)	5028A
254-31(MAG-Zener)	5029A
254-32(MAG-Zener)	5005A
254-33(MAG-Zener)	5035A
254-35(MAG-Zener)	5046A
254-36	5027A
254-36(MAG-Zener)	5027A
254-37(MAG-Zener)	5035A
254-38(MAG-Zener)	5016A
254-39(MAG-Zener)	5013T1
254-40(MAG-Zener)	5010A
254-45(MAG-Zener)	5015A
254G1(Zenith)	116
254Z	5372
255-1(MAG-Diode)	116
256-2(MAG-Diode)	125
256-3(MAG-Diode)	125
256-5(MAG-Diode)	125
257-1(SYL)	157
257-1(RCA)	335
257-2	157
258-1	188
258-2	189
259(IC)	74LS259
260-1(MAG-Diode)	580
260-2(MAG-Diode)	580
260-10-006	312
260-10-010	195A
260-10-011	177
260-10-016	159
260-10-020	123A
260-10-021	289A
260-10-023	199
260-10-024	152
260-10-025	109
260-10-026	229
260-10-027	290A
260-10-032	177
260-10-033	116
260-10-035	1102
260-10-036	1100
260-10-039	290A
260-10-040	229
260-10-041	297
260-10-042	199
260-10-043	236
260-10-044	5072A
260-10-046	137A
260-10-047	177
260-10-048	109
260-10-049	177
260-10-051	229
260-10-052	154
260-10-053	236
260-10-054	152
260-10-055	236
260-10-056	316
260-10-057	519
260-10-20	123A
260-10-46	137A
260-61-011	177
260-61-047	177
260-61-067	177
260D00401	102A
260D00402	102A
260D00403	102A
260D00404	102A
260D00507	109
260D02501	102A
260D02601	102A
260D02701	158
260D05701	108
260D05704	107
260D05707	108
260D07201	154
260D07412	123A
260D07901	128
260D08013	107
260D08214	210
260D08514	102A
260D08601	128
260D08701	128
260D08801	123A
260D08912	158
260D09001	123A
260D09301	130
260D09314	123A
260D09413	102A
260D09612	128
260D106A1	123A
260D13701	196
260D13702	123A
260D13704	102A
260D15901	199
260D15902	289A
260M00101	123AP
260M00201	289A
260M00301	289A
260M00401	222
260P01209	121
260P02903	123A
260P02903A	123A
260P02908	123A
260P03001	158
260P03201	161
260P03201A	161
260P04001	123A
260P04002	123A
260P04003	123A
260P04004	123A
260P04502	123A
260P04503	123A
260P04505	123A
260P05402	107
260P05402A	107
260P05403	107
260P05801	108
260P05901	161
260P05901A	161
260P06901	108
260P06902	108
260P06903	108
260P06904	123A
260P06905	289A
260P07001	123A
260P07002	123A
260P07004	108
260P07301	123A
260P07502	131
260P07601	158
260P07701	123A
260P07702	123A
260P07703	123A
260P07704	123A
260P07705	123A
260P07707	123A
260P07901	108
260P08001	108
260P08201	159
260P08401	108
260P08601	175
260P08801	123A
260P08801A	123A
260P08901	165
260P08908	283
260P09201	161
260P09402	124
260P09501	164
260P09508	164
260P09701	165
260P09902	123A
260P1060	108
260P1300	126A
260P1601	161
260P1760	107
260P2100	102A
260P4002	123A
260P10003	128
260P10003A	128
260P10005	128
260P10301	154
260P10403	108
260P10501	108
260P10502	108
260P10601	161
260P10602	108
260P10707(BCE)	85
260P10801	154
260P11101	108
260P11101A	108
260P11102	233
260P11209	165
260P11302	123A
260P11303	123A
260P11304	123A
260P11305	123A
260P11403	159
260P11502	123A
260P11503	123A
260P11504	123A
260P11505	123A
260P12001	123A
260P12002	123A
260P12401	128
260P12481	128
260P12701	152
260P13001	126A
260P13604	128
260P13704	129
260P14101	85
260P14102	123A
260P14103	123A
260P14105	123A
260P14202	196
260P14203	196
260P14407	375
260P14501	229
260P15100	124
260P15108	124
260P15201	159
260P15202	159
260P15203	159
260P16009	175
260P16101	161
260P16202	124
260P16208	124
260P16301	108
260P16302	108
260P16502	290A
260P16503	290A
260P16504	159
260P16603	290A
260P16604	290A
260P16802	298
260P16805	298
260P17002	128
260P17101	123AP
260P17102(BCE)	85
260P17103	123AP
260P17104	123A
260P17105(BCE)	85
260P17106	123A
260P17201	108
260P17501	85
260P17502	85
260P17503	123A
260P17601	107
260P17602	108
260P17603	107
260P17605	107
260P17701	85
260P17702	161
260P17704(BCE)	85
260P17705	199
260P17706	85
260P19009	162
260P19101	123A
260P19103	123A
260P19108	164
260P19208	165
260P19501	123A
260P19503	199
260P19909	162
260P20101	175
260P21001	100
260P21002	100
260P21102	186
260P21104	300
260P21106	210
260P21208	124
260P21308	186
260P21608	165
260P21901	162
260P21908	94
260P22001	312
260P22002	312
260P22003	312
260P22004	459
260P22101	154
260P22203	154
260P22204	191
260P22801	186A
260P24008	130
260P24108	165
260P24308	164
260P24408	163A
260P24803	175
260P24901	161
260P25504	290A
260P25601	290A
260P26003	288
260P26201	288
260P26301	187A
260P26302	187A
260P27901	379
260P28003	287
260P28103	289A
260P28104	289A
260P28107	289A
260P28401	152
260P28701	186
260P30008	165
260P31303	289A
260P31402	297
260P33108	165
260P33408	164
260P33802	289A
260P33803	289A
260P33804	289A
260P33805(ECB)	47
260P33806	289A
260P34008	292
260P34202	196
260P34602	376
260P35101	376
260P35301	287
260P35401	198
260P35502	198
260P35601	376
260P35908	389 ◆
260P36001	290A
260P36003	290A
260P36101	295
260P36201	235
260P36501	108
260P37108	291
260P37504	234
260P38001	399
260P38101	238
260P38501	399
260P38601	399
260P38701	382
260P39008	165
260P41604	289A
260P41905	289A
260P42002	375
260P42201	399
260P42502	157
260P42504	157
260P42706	196
260P42807	375
260P43201	89
260P43202	89
260P43501	89
260P44701	2302
260P52301	399
260P70403	108
260P70501	108
260P70502	108
260P141103	123A
260Z00109	108
260Z00209	108
260Z00309	108
260Z00401	192
260Z00402	123A
260Z00703	158
260Z01201	158
261-02(Zenith)	552
261-03(Zenith)	552
261-1(MAG-Diode)	552
261RAX	192
262-015G	228A
262-1(MAG-Diode)	125
263P06602	4066B
264-1(MAG-Diode)	580
264-701508	125
264D00101	177
264D00209	177
264D00505	116
264D00507	5070A
264D00612	109
264D00701	109
264D00801	110MP
264D00901	109
264D0701	110MP
264D01001	109
264D01112	116
264D03501	116
264D11003	5071A
264P0080	109
264P00401	109
264P00501	113A
264P00502	113A
264P00506	113A
264P00601	116
264P00602	125
264P00801	109
264P01011	116
264P01012	116
264P01301	5012A
264P01305	109
264P01306	109
264P01508	119
264P01701	506
264P02001	116
264P02104	118
264P02301	506
264P02402	116
264P02501	135A
264P02502	5072A
264P03001	116
264P03301	5070A
264P03302	5074A
264P03303	142A
264P03401	112
264P03601	558
264P03603	506
264P03604	558

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To Be Replaced	ECG Replacement
264P03605	506
264P03607	116
264P03703	156
264P03802	109
264P04003	145A
264P04005	136A
264P04206	504
264P04301	116
264P04303	125
264P04402	552
264P04501	519
264P04502	519
264P04504	519
264P04506	519
264P04507	519
264P04508	519
264P04701	506
264P04702	116
264P04703	116
264P04705	506
264P04801	116
264P04901	116
264P05001	116
264P05002	116
264P05502	611
264P06301	102A
264P06601	116
264P06603	506
264P06606	116
264P07501	613
264P08002	116
264P08801	116
264P08901	502
264P08902	503
264P09001	125
264P09101	506
264P09301	142A
264P09501	506
264P09703	140A
264P09707	5067A
264P09801	116
264P4501	519
264P10102	552
264P10103	116
264P10105	116
264P10106	125
264P10201	558
264P10202	558
264P10210	558
264P10308	145A
264P10403	5010T1
264P10502	142A
264P10502(Zener)	5074A
264P10505	5072A
264P10507	139A
264P10906	5075A
264P11001	136A
264P11003	5014A
264P11004	5021A
264P11007	5085A
264P11009	147A
264P11701	177
264P12303	112
264P13002	552
264P14002	503
264P14408	144A
264P14409	5078A
264P14601	558
264P14701	125
264P15501	140A
264P17401	5071A
264P17402	143A
264P17801	613
264P18801	5804
264P19303	5010A
264P19305	5004A
264P19306	5021A
264P19308	5018A
264P20001	5313
264P20006	5313
264P22001	5014A
264P22005	5019A
264P22006	5019A
264P22007	5025A
264P22008	5007A
264P22103	5021A
264P22104	5031A
264P22105	5011T1
264P22107	5025A
264P22202	5023A
264P22205	5019A
264P22206	5035A
264P22208	5019A
264P23101	558
264P24401	615A
264P28501	116
264P29004	5021T1
264P29101	5031A
264P29102	5011A
264P29104	5014A
264P29205	5013T1
264P33004	144A
264P33009	144A
264P34206	5000A
264P34702	3074
264P39802	5304◆
264Z00201	116
264Z00701	109
265D00702	177
265P03301	601
265Z00101	177
266-1(MAG-Diode)	177
266-1F(MAG-Diode)	177
266M00101	1100
266P001-01	704
266P001-02	704
266P00101	704
266P00102	704
266P00301	1096
266P00602	1099
266P00801	1096
266P01001	615A
266P01002	615A
266P6034	1183
266P10101	749
266P10103	749
266P10201	747
266P10202	747
266P10601	1430
266P11601	1413
266P12101	1728
266P19201	1658
266P20402	1298
266P30102	712
266P30103	712
266P30109	712
266P30201	1075A
266P30402	1003
266P30409	1003
266P30601	1029
266P30706	1103
266P31001	801
266P31101	1049
266P31601	1659
266P32001	1169
266P32101	1256
266P32102	1256
266P32301	712
266P32302	712
266P32401	1260
266P32801	788
266P32901	1278
266P33301	1290
266P35001	1217
266P35301	1246
266P35801	1219
266P40201	1245
266P50101	1403
266P60304	1183
266P60502	738
266P61401	1297
266P63001	1547
266P71001	1194
266P71301	719
266P75201	917
267-1(MAG-Diode)	552
267-2(MAG-Diode)	552
267P73601	1748
267P90202	1548
267P90205	1546
268-1(MAG-Diode)	519
269M01201	519
269P19009	162
269V004-H01	113A
270(5MM-MOV)	1V017
270(7MM-MOV)	1V017
270-950-030	123A
270-950-037-02	128
271-1(MAG-Diode)	125
271-2(MAG-Diode)	125
271-3(MAG-Diode)	125
271-4(MAG-Diode)	125
272-1(MAG-IC)	1174
272A(MOV)	1V017
274	729
275-1(MAG-IC)	829
275-1(SYL-IC)	4094B
275-2(MAG-Diode)	525
275-3(MAG-Diode)	525
275E05	6106
275E05R	6107
275E10	6106
275E10R	6107
275E20	6106
275E20R	6107
275E30	6106
275E30R	6107
275E40	6106
275E40R	6107
275E50	6106
275E50R	6107
275E60	6106
275E60R	6107
275E70	6106
275E70R	6107
275E80	6106
275E80R	6107
275E90	6106
275E90R	6107
275E100	6106
275E100R	6107
275E120	6106
275E120R	6107
275L4	1V275
276-053	3057
276-2042	249
276A01	704
277-1	109
277-14(AOC)	398
278-1(MAG)(Zener)	5134A
278-1(MAG-Zener)	5134A
278-2(MAG-Zener)	5130A
278-3(MAG-Zener)	5116A
278-4(MAG-Zener)	5127A
278-5(MAG-Zener)	5116A
278-7(MAG-Zener)	5135A
278-9(MAG-Zener)	5116A
278-10(MAG-Zener)	5127A
278-14(AOC)	375
278RS100	5589◆
278RS120	5589◆
279-09(Zenith)	5009A
279-1(SYL)	103A
279-19ITT	5019A
280-0001	1100
280-0002	801
280-07	5547
280-1(MAG-Zener)	5152A
281	123A
281-1(MAG-Diode)	125
282-1(MAG-IC)	1566
282-1(SYL)	124
283-1(MAG-IC)	1292
284-1(MAG-Rect)	5314
284HC	123A
285-1(MAG-LED)	3017
285-1(MAG-IC)	928M
285-1(MAG IC)	928M
285-2(MAG-IC)	928M
285-2(MAG IC)	928M
285-3(MAG-IC)	928M
287-1(MAG)	3043◆
287G1336C	580
288(Sears)	116
288-0550	1115A
288-1(MAG-Diode)	615A
289-1(MAG-IC)	4070B
290-1(MAG-Diode)	558
290-2(MAG-Diode)	558
290-1003	177
290V034C01	125
290VO2H69	108
291-04	116
291-20	116
292-10	116
293-1(MAG)	162
293-2(MAG)	162
294	159
294-1(MAG-IC)	851
294-1(MAG)	123AP◆
294-2(MAG)	123AP◆
294-3(MAG)	123AP◆
294-42-9	109
294-92-2	123AP
295(Zenith)	558
295-01(Zenith)	177
295-03	552
295-1(Zenith)	177
295-1(RCA)	757
295-2(RCA)	763§
295L001H01	116
295L001M01	116
295L001M02	116
295L002M03	117A
295L003M01	116
295V002H01	116
295V003H01	118
295V003M01	118
295V005H02	116
295V005H03	109
295V006H01	116
295V006H02	116
295V006H03	116
295V006H05	116
295V006H06	117A
295V006H07	116
295V006H08	117A
295V006H09	116
295V007H02	116
295V008H01	116
295V012H01	116
295V012H02	116
295V012H03	116
295V012H06	116
295V014H01	116
295V014H04	116
295V015H02	116
295V016H01	116
295V017H01	116
295V020B01	116
295V020H01	116
295V023H01	116
295V027C01	116
295V027C01-1	116
295V028C01	116
295V028C02	116
295V028C03	116
295V028C04	125
295V029C01	116
295V029C02	116
295V031B	119
295V031B02	120
295V031C02	120
295V033B01	118
295V034C01	119
295V035C01	116
295V041H04	121
296	172A
296(Regency)	152
296(SEARS)	172A
296-18-9	102A
296-19-9	102A
296-42-9	109
296-46-9	160
296-50-9	123A
296-51-9	123A
296-55-9	199
296-56-9	123A
296-58-9	128
296-59-9	123A
296-60-9	102A
296-61-9	131
296-62-9	102A
296-64-9-1	158
296-77-9	123A
296-81-9	128
296-86	229
296-98-9	123A
296L002B01	519
296L003B01	142A
296V001H01	358
296V001M01	358
296V002H01	109
296V002H02	109
296V002H05	109
296V002H06	109
296V002H07	109
296V002H08	109
296V002M01	109
296V004H01	113A
296V006H02	109
296V006H03	116
296V007H02	109
296V011H03	143A
296V012H01	109
296V015B01	109
296V015H01	109
296V017H01	142A
296V018B01	142A
296V019B04	141A
296V020B01	177
296V020B02	116
296V023C	358B
296V024B02	177
296V034C01	119
297L001H01	103A
297L001H02	103A
297L001H03	102A(2)
297L001M01	103A
297L001M02	102A
297L001M03	102A(2)
297L002H01	102A
297L005H01	102A
297L006H01	123A
297L006H02	123A
297L007C	199
297L007C02	123A
297L007C03	199
297L007H01	123A
297L007H02	123A
297L007H03	123A(2)
297L008C02	128(2)
297L008H01	128(2)
297L010C	234
297L010C01	234
297L011C01	107
297L012C01	159
297L012C-01	106
297L013B01	123A
297L013B02	159
297L015C01	199
297V002H03	103A
297V002H04	103A
297V002H05	103A
297V002M04	103A
297V002M05	103A
297V003H02	102A(2)
297V003H03	102
297V003H06	102A(2)
297V003H08	102A(2)
297V003H09	102A
297V003M01	102
297V003M07	102
297V004H01	102A
297V004H03	102A
297V004H04	102A
297V004H06	102A
297V004H08	102A
297V004H09	102A
297V004H10	102
297V004H11	102A
297V004H14	102
297V004H15	102
297V004H16	102
297V004M01	102
297V005H01	102A
297V008H01	100
297V008M01	160
297V010H01	102A(2)
297V010M01	102A(2)
297V011H01	126A
297V011H02	100
297V012H01	126A
297V012H02	100
297V012H03	100
297V012H04	160
297V012H05	100
297V012H06	100
297V012H07	160
297V012H08	100
297V012H09	100
297V012H10	126A
297V012H11	160
297V012H12	160
297V012H13	160
297V012H14	102
297V012H15	126A
297V017H01	100
297V017H02	100
297V018H01	102A
297V019B01	100
297V019B04	141A
297V019H01	100
297V020H01	160
297V020H02	100
297V020M01	100
297V021H01	100
297V021H02	100
297V021H03	100
297V022H01	100
297V024H01	160
297V024H03	160
297V025H02	102
297V025H03	102A(2)
297V025H04	102
297V025H05	102
297V025H15	102
297V026H01	126A
297V026H03	100
297V027C01	116
297V027H01	102
297V032H01	102
297V033H01	102
297V034H01	126A
297V035H01	126A
297V036H01	126A
297V036H02	126A
297V037B02	102A
297V037H01	102
297V037H02	102
297V038H01	100
297V038H02	160
297V038H03	160
297V038H04	160
297V038H05	100
297V038H06	126A
297V038H07	102
297V038H09	100
297V038H10	126A
297V038H11	126A
297V038H12	126A
297V040H01	102
297V040H08	102
297V040H10	102
297V040H11	102
297V040H12	102
297V040H13	102
297V040H15	121
297V040H16	102
297V041H01	121MP
297V041H02	121
297V041H03	121
297V041H04	121
297V041H05	104
297V041H06	121
297V041H07	104
297V042C01	102
297V042C02	102
297V042C03	102
297V042C04	102
297V042H01	102
297V042H02	102
297V042H03	126A
297V042H04	126A
297V043H01	102
297V043H02	100
297V044H01	100
297V045H01	126A
297V045H02	126A
297V049H01	123
297V049H03	123
297V049H04	123
297V049H05	123A
297V049H06	128
297V050C02	102A
297V050H01	120
297V050H02	120
297V050H03	102
297V051C03	102
297V051C04	102
297V051H01	102
297V051H02	102
297V051H03	102
297V051H04	102A
297V052C01	102
297V052H01	102A
297V052H02	102
297V052H04	102A
297V053C01	102
297V053H01	102A
297V053H02	102A
297V054C01	100
297V054C02	100
297V054H01	126A
297V054H02	126A
297V055C01	100
297V055H01	126A
297V057H01	158(2)
297V057H02	158
297V059H01	123
297V059H02	123
297V059H03	123
297V060H01	124
297V060H02	124
297V060H03	124
297V061C01	130
297V061C01A	130
297V061C02	130
297V061C02A	130
297V061C03	123
297V061C04	123
297V061C05	128
297V061C06	123
297V061C07	123A
297V061H01	123A
297V061H02	123A
297V061H03	123A
297V062C01	121
297V062C05	121
297V062C06	128
297V063C01	126A
297V064H01	160
297V065C01	126A
297V065C02	126A
297V065C03	126A
297V065H01	100
297V065H02	100
297V065H03	100
297V070C01	126A
297V070H49	108
297V071C03	124
297V071H03	124
297V072C01	108
297V072C03	108
297V072C04	108
297V072C05	128
297V072C06	123A
297V073C01	129
297V073C02	129
297V073C03	159
297V073C04	159
297V074C01	161
297V074C02	123
297V074C03	123
297V074C04	123
297V074C06	123A
297V074C07	123A
297V074C08	123A
297V074C09	108
297V074C10	128
297V074C11	129
297V074C12	128
297V076B01	102
297V076C01	102
297V077C01	126A
297V078C01	108
297V078C02	108
297V080C01	129
297V081C01	102A
297V082B01	128
297V082B02	129
297V082B03	129
297V083C01	159
297V083C02	123A
297V083C03	129
297V083C04	128
297V084C01	157
297V085C01	123A
297V085C02	123A
297V085C03	123A
297V085C04	123A
297V086C01	159
297V086C02	123A
297V086C03	123A
297V086C04	185
297V087B02	188
298-03	506
299-1(MAG-IC)	1439
299 Power	105
299B09001	519
299D09001	519
299D09005	519
300	102
300-0003-002	177
300-0003-003	177
300-1(SYL-IC)	712
300-1(MAG)	3041
300-1(IC-MAG)	3041
300E0043	128
300E	6154
300L4	1V300
300PA60	5591
300PA80	5592
300PA100	5592
300PA110	5592
300PA120	5592
300PAC10	5590
300PAC20	5590
300PAC30	5591
300PAC40	5591
300PAC50	5591
300PAC60	5591
300R1B	5801
300R2B	5802
300R3B	5804
300R5B	5806
300R7B	5808
300R8B	5808
300RA50	5587
300RA60	5587
300RA80	5589
300RA100	5589
300RA110	5589
300RA120	5589
300RB50	5587
300RB60	5587
300RB80	5589
300RB100	5589
300RB110	5589
300RB120	5589
300U5A	6354
300U5AR	6355
300U10A	6354
300U10AR	6355
300U15A	6354
300U15AR	6355
300U20A	6354
300U20AR	6355
300U25A	6354
300U25AR	6355
300U30A	6354
300U30AR	6355
300U40A	6354
300U40AR	6355
300U50A	6356
300U50AR	6357
300U60A	6356
300U60AR	6357
300U70A	6358
300U70AR	6359
300U80A	6358
300U80AR	6359
300U90A	6358
300U90AR	6359
300U100A	6358
300U100AR	6359
300U120A	6362
300UR10A	6355
300UR15A	6355
300UR20A	6355
300UR30A	6355
300UR40A	6355
300UR50A	6357
300UR60A	6357
300UR70A	6359
300UR80A	6359
300UR90A	6359
300UR100A	6359
300UR120A	6363
301	102
301-00081	374
301-1	120
301-5	9301
301-5D	9301
301-5N	9301
301-576-03	708
301-576-2	9158
301-576-3	708
301-576-4	7400
301-576-6	128
301-576-14	740A
301-576-18	750
301-606-6	346
301-679-1	817
301-680-1	753
301-695-1	350
301-695-3	351
301-695-5	349
301-696-1	479
301-696-2	479
301-696-3	479
301-696-4	473
301-696-5	346
301-696-7	486
301-696-8	341
301-698-3	365
301-698-4	367
301-709-4	333
301-733-2	350
301-733-4	345
301A(ROLAND)	1171
301AJ	9301
301AL	9301
301CJ	9301
301CL	9301
301H-5	9301
301H-5D	9301
301H-5N	9301
301RA50	5587◆
301RA60	5587◆
301RA80	5589◆
301RA100	5589◆
301RA110	5589◆
301RA120	5589◆
301RC10	5587
301RC20	5587
301RC30	5587
301RC40	5587
301RC50	5587
301RC60	5587
301RC80	5589
301U80	6358
301U80R	6359
301U100	6358
301U100R	6359
301U120	6362
301U140	6362
301UR80	6359
301UR100	6359
301UR120	6363
301UR140	6363
302	102
302-00985	280
302-01403	199
302-1(RCA)	123AP
302-2(MAG-Zener)	5011T1
302-3(MAG-Zener)	5021T1
302-5	9302
302-5D	9302
302-5N	9302
302-6(MAG-Zener)	5019T1
302-100	5640
302-200	5641
302-400	5642
302-488-1	1115A
302-500	5643
302-600	5643
302-670-1	299
302-680	299
302-690-3	365
302-698-3	365
302-698-4	367
302A	5986
302AJ	9302
302AL	9302
302B	5982
302C	5986
302CJ	9302
302CL	9302
302D	5986
302E	5988
302F	5988
302G	5990
302H	5990
302H-5	9302

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
302H-5D	9302
302H-5N	9302
302K	5992
302M	5994
302P	5998
302S	5998
302V	6002
302Z	6002
303(RCA)	159
303-1(Rad Shk)	159
303-1(MAG-IC)	1416
303-1(SYL-IC)	2201
303-1(RCA)	159
303-2	129
303-2(RCA)	159
303-5	9303
303-5(RCA)	159
303-5D	9303
303-5N	9303
303A	5986
303AJ	9303
303AL	9303
303B	5982
303C	5986
303CJ	9303
303CL	9303
303D	5986
303E	5988
303F	5988
303G	5990
303H	5990
303H-5	9303
303H-5D	9303
303H-5N	9303
303K	5992
303M	5994
303P	5998
303S	5998
303V	6002
303Z	6002
304-1(SYL)	102A
304-1(MAG-IC)	1445
304A	5874
304AJ	9304
304AL	9304
304B	5874
304C	5878
304CJ	9304
304CL	9304
304D	5878
304F	5878
304H	5878
304K	5882
304M	5882
304P	5886
304S	5886
304V	5890
304Z	5890
305-001002	128
305-001010	281
305-001011	183
305-001012	290A
305-001015	290A
305-001020	292
305-001021	292
305-001024	187A
305-001043	234
305-002009	285
305-002010	292
305-002011	281
305-002012	153
305-002013	197
305-003001	179
305-003003	199
305-003006	289A
305-003007	324
305-003010	199
305-003011	289A
305-003016	289A
305-003017	123A
305-003022	284
305-003024	199
305-003025	289A
305-003026	195A
305-003028	289A
305-003029	289A
305-003034	295
305-003039	289A
305-003042	199
305-003043	199
305-003044	186A
305-003045	280
305-003046	373
305-003047	289A
305-003048	375
305-003049	192
305-003050	289A
305-003051	199
305-003052	289A
305-003053	152
305-003054	199
305-003055	291
305-003056	289A
305-003057	291
305-003058	199
305-003059	289A
305-003060	199
305-003062	199
305-003063	229
305-003064	199
305-004005	152
305-004007	152
305-004008	291
305-004010	284
305-004013	284
305-004014	108
305-005002	312
305-009001	6402
305-009002	6402
305-047-9-002	724
305-01001	290A
305-01004	187A
305-01006	290A
305-01008	290A
305-01009	219
305-01013	153
305-01014	290A
305-02010	292
305-03001	123A
305-03002	289A
305-03014	123AP
305-03023	199
305-03027	186A
305-03040	289A
305-03041	289A
305-03073	199
305-03079	289A
305-03081	152
305-03084	229
305-04011	280
305-04012	291
305-05005	312
305-1(MAG-IC)	1231A
305-1(MAG-Diode)	580
305-2(MAG-IC)	1231A
305-2(MAG-Diode)	580
305-3(MAG-Diode)	580
305A	5830
305B	5834
305C	5834
305D	5834
305F	5838
305G1418C(Zenith)	558
305H	5838
305K	5842
305M	5842
305P	5846
305S	5846
305V	5848
305Z	5848
306-001025	3014
306-001028	156
306-005002	614
306-01005	177
306-01017	519
306-01023	116(2)
306-01024	116(2)
306-05001	612
306-1	123AP
306-1(RCA)	123AP
306-1(MAG-Rect)	5802
306-1(MAG-DIODE)	5802
306-2(RCA)	123AP
306-2(MAG-Rect)	5804
306-3(MAG-Rect)	5806
306-3(RCA)	123AP
306-4(MAG-Rect)	5808
306-4(RCA)	123AP
306-5	123AP
306-5(RCA)	123AP
306-5(MAG-Rect)	5809
306-6(RCA)	123AP
306-7(RCA)	123AP
306-8(RCA)	123AP
306-9(RCA)	123AP
306-11(RCA)	123AP
306-13	123AP
306-13(RCA)	123AP
306AJ	9306
306AL	9306
306CJ	9306
306CL	9306
307-001-9-001	703
307-005-9-001	1003
307-007-9-001	1100
307-007-9-002	1102
307-008-9-001	724
307-009-9-002	1102
307-020-9-001	1100
307-029-1-001	1100
307-047-9-002	724
307-060	987
307-060-9-001	987
307-062	4013B
307-062-9-001	4013B
307-063	4011B
307-063-9-001	4011B
307-070	4023B
307-070-9-001	4023B
307-085-9-001	2055
307-095-9-002	4011B
307-095-9-003	977
307-095-9-004	1198
307-107-9-001	1235
307-107-9-003(Audio)	1155
307-107-9-003(P.L.L.)	1208
307-107-9-005	1197
307-107-9-006	1207§
307-112-9-001	1194
307-112-9-002	977
307-112-9-003	977
307-112-9-005	973
307-112-9-007	1082
307-113-9-001	4011B
307-113-9-002	1203
307-113-9-003	977
307-113-9-004	1195
307-115-9-001	1082
307-120-9-002	801
307-131-9-001	1203
307-131-9-002	1261
307-131-9-003	1260
307-131-9-004	1170
307-131-9-006	1226
307-133-9-004	1192
307-133-9-005	1271
307-143-9-001	1262
307-143-9-002	1249
307-143-9-003	1278
307-152-9-007	74LS00
307-152-9-009	74LS93
307-152-9-012	4011B
307-155-9-001	1226
307-200	5673
307-249-9-002	1691
307-293-9-002	4066B
307-293-9-003	4066B
307-400	5675
307-600	5677
307-1209-001	1240
307A	27
307AJ	9307
307AL	9307
307B	116
307C	116
307CJ	9307
307CL	9307
307D	116
307F	116
307H	116
307K	116
307M	116
308-1(MAG-IC)	74LS73
308-2	199
308RP10	5587♦
308RP20	5587♦
308RP30	5587♦
308RP40	5587♦
308RP50	5587♦
308RP60	5587♦
308RP80	5589♦
309(Catalina)	159
309-01ITT	5019A
309-2(RCA)	123AP
309-3	123AP
309-3(RCA)	123AP
309-4	123AP
309-4(RCA)	123AP
309-5	123AP
309-5(SYL)	123A
309-324-613	118
309-324-616	109
309-327-601	138A
309-327-608	138A
309-327-802	138A
309-327-803	125
309-327-910	116
309-327-916	109
309-327-926	123A
309-327-927	116
309-327-931	102A
309-327-932	116
310	116
310-068	126A
310-1(MAG-Diode)	580
310-2(MAG-Diode)	580
310-3(MAG-Diode)	580
310-4	116
310-68	126A
310-123	126A
310-124	126A
310-139	126A
310-187	123
310-188	102
310-189	100
310-190	126A
310-191	126A
310-192	121
310-200	5673
310-400	5675
310-600	5677
310-8028-001	5527
311-0126-001	519
311-0139-001	177
311-5	9311
311-5D	9311
311-5N	9311
311AJ	9311
311AL	9311
311CJ	9311
311CL	9311
311D589-P2	159
311D883-P01	177
311D916P01	199
311H-5	9311
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311Z4	141A
312-1(SYL-IC)	820
312-1(SYL)	199
312-2(SYL-IC)	820
312-5	9312
312-5D	9312
312-5N	9312
312AJ	9312
312AL	9312
312CJ	9312
312CL	9312
312H-5	9312
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313-0001(Gremlin)	923D
313-0004(Gremlin)	941M
313-0015(Gremlin)	967
313-0023(Gremlin)	960
313-0037(Gremlin)	857M
313-0038(Gremlin)	858M
313-0039(Gremlin)	859
313-3(MAG-Diode)	553
314-0001(Gremlin)	955M
314-0015(Gremlin)	7404
314-0018(Gremlin)	74LS00
314-0019(Gremlin)	74LS04
314-0040(Gremlin)	74LS125A
314-0046(Gremlin)	74S04
314-0058(Gremlin)	74LS08
314-0059(Gremlin)	74LS10
314-0070(Gremlin)	74LS86
314-0072(Gremlin)	74LS174
314-0073(Gremlin)	74LS175
314-0076(Gremlin)	74LS157
314-0078(Gremlin)	74LS02
314-0083(Gremlin)	74LS240
314-0086(Gremlin)	74LS163A
314-0100(Gremlin)	74LS273
314-0101(Gremlin)	74LS283
314-0104(Gremlin)	74LS138
314-0123(Gremlin)	74LS257
314-0125(Gremlin)	74LS38
314-1(SYL)	241
314-6005-1	184
314-6006	175
314-6007-1	123A
314-6007-2	123A
314-6007-3	123A
315-0006(Gremlin)	4017B
315-0007(Gremlin)	4011B
315-0031(Gremlin)	3880
315-0035(Gremlin)	2041§
315-0039(Gremlin)	4015B
315-0041(Gremlin)	3880
315-0043(Gremlin)	4069
315-0046(Gremlin)	2114
315-0079(Gremlin)	4053B
315-6CG1(Zenith)	116
315-6G1336	580
315-6G1340	580
316-0227-001	910
316-1	229
316-1(RCA Tuner)	229
316-1(RCA)	188
317-0083-001	159
317-0139-001	129
317-1(RCA)	189
317-2627-1	9946
317-8504-001	123A
318-1(RCA)	194
318-1(MAG-IC)	2203
318-2	297
318-2(RCA)	194
318-7	123AP
318-7(RCA)	123AP
319-001003	2042§
319-001010	7472
319-001011	9093
319-001014	2042§
319-003001	7493A
319-003002	7493A
319-003004	4013B
319-003010	4013B
319-003011	4022B
319-006005	4001B
319-006006	4011B
319-006007	4025B
319-006008	4066B
319-006011	4007
319-006012	4001B
319-006013	4052B
319-006014	4011B
319-006015	4070B
319-006017	4011B
319-006018	4066B
319-006019	4070B
319-008001	2041§
319-0(SYL)	5074A
319-071-00400	159
319-03004	4013B
319-06006	4011B
319-06007	4025B
319-09001	4532B
319-010001	4512B
319-011001	4069
319-023001	941
319-023005	941D
319-023010	941D
319-023013	778A
319-023015	902
319-023020	778A
319-023021	996
319-025006	955M
319-500(SYL)	5074A
319-10001	4512B
319-23001	941
319-25002	1026
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320C	116
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320F	116
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320K	116
320M	116
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320S	125
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321-003008	3012A
321-003009	3011
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321-1(RCA)	194
321-5	9321
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321-5N	9321
321-149	455
321-150	455
321-264	154
321AJ	9321
321AL	9321
321CJ	9321
321CL	9321
321H-5	9321
321H-5D	9321
321H-5N	9321
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322-0147	116
322-1	175
322-1(RCA)	175
322-5	9322
322-5D	9322
322-5N	9322
322AJ	9322
322AL	9322
322CJ	9322
322CL	9322
322H-5	9322
322H-5D	9322
322H-5N	9322
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323-04	558
323-0484	9402
323-1(SYL)	3043♦
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323-5(SYL)	289A
323-5D	9323
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323-6(SYL)	108
323-3075	163A
323-4691	364
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323-6055(Lamda)	165
323-6824	5021T1
323AJ	9323
323AL	9323
323CJ	9323
323CL	9323
323H-5	9323
323H-5D	9323
323H-5N	9323
323T1	102A
324	102A
324-0011	113A
324-0012	358
324-0014	109
324-0015	120
324-0016	160
324-0026	160
324-0027	126A
324-0028	126A
324-0029	102A
324-0030	158
324-0035	109
324-0037	109
324-0038	126A
324-0041	102
324-0049	109
324-0055	102
324-0056	158
324-0057	109
324-0062	158
324-0074	102A
324-0077	160
324-0079	126A
324-0080	158
324-0082	160
324-0083	160
324-0085	158
324-0086	160
324-0087	160
324-0088	102
324-0089	102A
324-0090	100
324-0091	102A
324-0092	102A
324-0093	102A
324-0093 (Philco)	109
324-0095	160
324-0097	158
324-0098	126A
324-0099	126A
324-019	128
324-0100	102A
324-0102	117A
324-0105	109
324-0106	126A
324-0107	110MP
324-0107-01	109
324-0108	109
324-0110	160
324-0111	160
324-0112	160
324-0114	112
324-0115	179
324-0116	127
324-0117	116
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324-0120	116
324-0121	126A
324-0122	103A
324-0123	160
324-0124	158
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324-0126	131
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324-0130	126A
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324-0132	160
324-0133	102
324-0134	103
324-0135	116
324-0136	126A
324-0137	126A
324-0138	126A
324-0139	102
324-0140	102
324-0141	109
324-0142	102
324-0143	102
324-0144	102
324-0145	126A
324-0146	102
324-0147	116
324-0149	108
324-0150	108
324-0151	123
324-0152	123
324-0154	123
324-0160	109
324-0162	116
324-0187	160
324-1	108
324-1(SYL)	265
324-5	9324
324-5D	9324
324-5N	9324
324-6(SYL)	123A
324-132	160
324-144	102
324-6005-5	123A
324-6011	128
324-6013	128
324AJ	9324
324AL	9324
324C	987
324CJ	9324
324CL	9324
324H-5	9324
324H-5D	9324
324H-5N	9324
324T1	102A
324T2	102A
325-0025-327	109
325-0025-329	102A
325-0025-330	102A
325-0025-331	102A
325-0028-79	102A
325-0028-80	102A
325-0028-81	102A
325-0028-83	102A
325-0028-84	108
325-0028-85	160
325-0028-86	109
325-0028-87	109
325-0028-89	116
325-0030-315	102A
325-0030-317	102A
325-0030-318	102A
325-0030-319	102A
325-0031-303	123A
325-0031-304	123
325-0031-305	123
325-0031-306	158
325-0031-310	123A
325-0031-335	109
325-0031-338	116
325-0036-536	102A
325-0036-562	109
325-0036-564	126A
325-0036-565	126A
325-0042-311	166
325-0042-351	123A
325-0047-516	102A
325-0047-517	116
325-0054-310	102A
325-0054-311	102A
325-0054-312	116
325-0076-306	123A
325-0076-307	123A
325-0076-308	123A
325-0076-315	116
325-0081-100	123A
325-0081-101	123A
325-0081-102	158
325-0081-109	167
325-0081-110	116
325-0135-B	116
325-0141-23	116
325-0500-12	199
325-0500-13	199
325-0574-30	123A
325-0574-31	123A
325-0670	102A
325-0670-1	102A
325-0670-7	102A
325-0670-16	116
325-0670A	102A
325-1(RCA)	123AP
325-3(RCA)	123AP
325-5	171
325-5(SYL)	159
325-5D	9325
325-5N	9325
325-1370-18	102A
325-1370-19	123A
325-1370-20	123A
325-1375-10	126A
325-1375-11	126A
325-1375-12	126A
325-1376-53	102A
325-1376-54	126A
325-1376-55	126A
325-1376-56	102A
325-1376-57	102A
325-1376-58	102A
325-1376-60	109
325-1378-18	107
325-1378-19	107
325-1378-20	102A
325-1378-21	158
325-1378-22	102A
325-1441-10	116
325-1441-11	116
325-1442-8	102
325-1442-9	124
325-1446-26	123
325-1446-27	123
325-1446-28	123
325-1446-29	116
325-1513-29	123
325-1513-30	123
325-1513-46	128
325-1771-15	123A
325-1771-16	107
325-4610-100	125
325AJ	9325
325AL	9325
325CJ	9325
325CL	9325
325H-5	9325
325H-5D	9325
325H-5N	9325
325T1	102A
326-5	9326
326-5D	9326
326-5N	9326
326-6(SYL)	299
326-5171	9403
326-7877-2	331
326AJ	9326
326AL	9326
326CJ	9326
326CL	9326
326H-5	9326
326H-5D	9326
326H-5N	9326
326T1	102A
327-1(MAG-IC)	1566
327-2(RCA)	123AP
327-4(SYL)	192
328-1(MAG-IC)	1632
329-1(MAG-IC)	1567
329-5(SYL)	159
330(5MM-MOV)	1V020
330(7MM-MOV)	1V020
330-1	159
330-1(RCA)	159
330-2	159
330-2(RCA)	159
330-3(RCA)	159
330-4	159
330-4(RCA)	159
330-5(RCA)	159
330-6(RCA)	159
330-9(RCA)	159
330-10	159
330-11	159
330-1304-8	108
330G1(Zenith)	177
331-1	123AP
331-1(RCA)	123AP
331-1(MAG-IC)	820
331-2(MAG-IC)	820
331-5	9331
331-5D	9331
331-5N	9331
331AJ	9331
331CJ	9331
331CL	9331
331H-5	9331
331H-5D	9331
331H-5N	9331
332-1(MAG-IC)	1374
332-2(MAG-IC)	1374
332-3(MAG-IC)	1374
332-4(MAG-IC)	1374
332-5	9332
332-5(MAG-IC)	1376
332-5D	9332
332-5N	9332
332-6(MAG-IC)	1374
332-2911	130
332-2912	181
332-4009	177
332AJ	9332
332AL	9332
332CJ	9332
332CL	9332
332H-5	9332
332H-5D	9332
332H-5N	9332
333-1	123AP
333-1(RCA)	123AP
333-5	9333
333-5D	9333
333-5N	9333
333AJ	9333
333AL	9333
333CJ	9333
333CL	9333
333H-5	9333

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333H-5N	9333
334-1(RCA)	123AP
334-1(MAG-IC)	797
334-5	9334
334-5D	9334
334-5N	9334
334-377	162
334-1026	291
334-1027	292
334-1028	284
334-1029	285
334AJ	9334
334AL	9334
334CJ	9334
334CL	9334
334H-5	9334
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335-1(RCA)	165
335-1(MAG-IC)	4094B
335-5	9335
335-5D	9335
335-5N	9335
335A	5981
335AJ	9335
335AL	9335
335B	5983
335C	5987
335CJ	9335
335CL	9335
335D	5987
335F	5989
335H	5991
335H-5	9335
335H-5N	9335
335K	5993
335M	5995
335P	5999
335S	5999
335V	6003
335Z	6003
336-1(MAG-IC)	865
336-1(SYL)	185
336-2(SYL)	184
336-20(SYL)	185 + 184(CP)
336A	5981
336B	5983
336C	5987
336D	5987
336F	5989
336H	5991
336K	5993
336M	5995
336S	5999
336V	6003
336Z	6003
337-007002	144A
337-007006	136A
337-007007	5080A
337-02001	137A
337-02004	5072A
337-02005	142A
337-02007	142A
337-06007	145A
337-06013	145A
337-06014	5011A
337-06015	146A
337-06020	5010A
337-06021	5075A
337-5(MAG-IC)	866
337A	5871
337B	5875
337C	5879
337D	5879
337F	5879
337H	5879
337K	5883
337M	5883
337P	5887
337S	5887
337V	5891
337Z	5891
338-1(SYL)	331
338-2(MAG-IC)	822
338-3(SYL)	199
338-3(MAG-IC)	822
338-4(SYL)	199
338-5(RCA)	128
338-6(RCA)	128
338-7(RCA)	128
339-03-1270	4086B
339-1	159
339-1(MAG-IC)	1413
339-1(RCA)	159
339-1(SYL-IC)	1413
339-1(SYL)	332
339-2(SYL)	199
339-3(SYL)	199
339-7(RCA)	159
339-529-001	109
339-529-002	140A
339G1(Zenith)	506
340-2(RCA)	123AP
340LA(VR)	981
340RA10	5587
340RA20	5587
340RA30	5587
340RA40	5587
340RA60	5587
341A	5850
341B	5854
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341F	5858
341H	5858
341K	5862
341M	5862
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341S	5866
341V	5868
341Z	5868
342-1	128
342-1(SYL)	327
342-1(RCA)	123AP
342-1(MAG-IC)	2200
342-2(SYL)	199
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342-5N	9342
342AJ	9342
342AL	9342
342CJ	9342
342CL	9342
342H-5	9342
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343-02	581
343-1(SYL)	124
343-1(RCA)	123AP
343-2	123AP
343-2(RCA)	123AP
343-3(RCA)	123AP
343-5	9343
343-5D	9343
343-5N	9343
343AJ	9343
343AL	9343
343CJ	9343
343CL	9343
343H-5	9343
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344-1(RCA)	194
344-1(SYL)	373
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344-6000-2	123A
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344-6000-4	123A
344-6000-5	123A
344-6000-5A	123A
344-6001-1	128
344-6001-2	128
344-6002-3	123A
344-6005-1	123A
344-6005-2	123A
344-6005-5	123A
344-6005-6	177
344-6006-6	109
344-6011-1	128
344-6011-2	128
344-6012-1	129
344-6012-3	129
344-6013-1B	128
344-6013-4	128
344-6014-1B	129
344-6015-7	108
344-6015-7A	108
344-6015-8	107
344-6015-9	107
344-6015-10	108
344-6015-11	108
344-6017-1	159
344-6017-2	123A
344-6017-3	123A
344-6017-4	128
344-6017-5	123A
344-6017-6	108
345-02G1333B	580
345-1(SYL)	374
345-2	128
345-2(RCA)	128
346-1(RCA)	47
346-3(Rad Shk)	123AP
346A	5851
346B	5855
346C	5855
346D	5855
346F	5859
346H	5859
346K	5863
346M	5863
346P	5867
346S	5867
346V	5869
346Z	5869
347-1	159
347-1(RCA)	159
347-1(IC)	821
347-2(MAG-IC)	821
347-3(RCA)	159
347-3G1337-0	552
347-4	159
347AJ	9347
347AL	9347
347CJ	9347
349-0002-001	519
349-0002-002	519
349-1	128
349-2	128
349-2(RCA)	123AP
349-2(MAG-IC)	2201
349-113-011	9930
349-113-012	9932
349-113-013	9945
349-113-014	9946
349-113-015	9951
349-113-022	9945
349-113-024	9950
349-113-025	9941
349-212-003	909
350	100
350-1(SYL)	123A
350-1(MAG-IC)	4011B
350D7217	85
350P2S	5587
350P4S	5587
350P6S	5587
350P8S	5589
350P10S	5589
350P12S	5589
350RA50	5587
350RA60	5587
350RA80	5589
350RA100	5589
350RA110	5589
350RA120	5589
351-1(MAG-IC)	712
351-1(MAG)	454
351-2(SYL)	159
351-1008-010	716
351-1011-022	724
351-1011-032	724
351-1017-010	703
351-1027-010	716
351-1029-020	941
351-1035	923
351-1035-020	923
351-1041-010	912
351-1042-020	910
351-3006	9914
351-3031	177
351-7008-010	9910
351-7008-020	9913
351-7011-020	9900
351-7011-030	9903
351-7011-040	9903
351-7011-050	9905
351-7011-060	9905
351-7011-070	9910
351-7011-080	9910
351-7011-090	9911
351-7011-100	9914
351-7011-110	9914
351-7011-120	9914
351-7011-150	9921
351-7011-160	9921
351-7011-170	OBS-NLA
351-7011-180	OBS-NLA
351-7015-010	9908
351-7015-020	9909
351-7015-030	9910
351-7015-040	9911
351-7015-050	9912
351-7015-060	9913
351-7015-070	9921
351-7025-010	9907
351-7025-020	9914
351-7026-010	9908
351-7026-030	9910
351-7026-060	9913
351-7026-070	9921
351-7121-010	OBS-NLA
351-7121-020	9914
351-7140-010	909
351-7189-010	910
351-7206-080	9908
351-7206-090	9909
351-7206-100	9910
351-7206-110	9911
351-7206-140	9921
351-7206-150	9908
351-7206-160	9909
351-7206-170	9910
351-7206-180	9911
351-7206-190	9912
351-7206-200	9913
351-7206-210	9921
351-7577-010	9109
351RA50	5587 ◆
351RA60	5587 ◆
351RA80	5589 ◆
351RA100	5589 ◆
351RA110	5589 ◆
351RA120	5589 ◆
352(Transistor)	102
352-0023-001	9932
352-0092-020	128
352-043-010	128
352-0195-000	123A
352-0197-000	123A
352-0206-001	123A
352-0219-000	159
352-0316-00	123A
352-0318-00	123A
352-0318-001	123A
352-0319-000	123A
352-0322-010	123A
352-0349-000	123A
352-0364-000	128
352-0364-010	128
352-0365-000	123A
352-0400-00	123A
352-0400-010	123A
352-0400-030	123A
352-0403-010	154
352-0433-00	123A
352-0477-00	123A
352-0479-010	128
352-0506-000	123A
352-0519-00	123A
352-0546-00	123A
352-0549-000	199
352-0551-010	159
352-0551-021	159
352-0569-00	123A
352-0569-010	123A
352-0569-020	123A
352-0579-00	123A
352-0579-010	123A
352-0579-020	123A
352-0581-011	175
352-0581-020	175
352-0581-021	175
352-0581-030	175
352-0581-031	175
352-0583-011	130
352-0596-010	123A
352-0596-020	123A
352-0596-030	123A
352-0606-011	175
352-0610-030	159
352-0610-040	159
352-0629-010	123A
352-0630	107
352-0630-010	107
352-0636-010	159
352-0636-020	159
352-0638	199
352-0653-010	107
352-0653-020	107
352-0658-010	161
352-0658-020	161
352-0658-030	161
352-0658-040	161
352-0658-050	161
352-0661-010	123A
352-0661-020	123A
352-0667-010	123A
352-0675-010	123A
352-0675-020	123A
352-0675-030	123A
352-0675-040	123A
352-0675-050	123A
352-0677-010	130
352-0677-011	130
352-0677-020	130
352-0677-021	130
352-0677-030	130
352-0677-031	130
352-0677-041	130
352-0677-051	130
352-0677-40	130
352-0680-010	123A
352-0680-020	123A
352-0711-021	124
352-0713-030	123A
352-0749-010	390
352-0754-020	159
352-0766-010	128
352-0773-010	234
352-0773-020	234
352-0773-030	234
352-0778-010	159
352-0783-020	128
352-0809	123A
352-0816-010	128
352-0848-020	159
352-0950-010	106
352-0950-020	106
352-0959-010	159
352-0959-020	159
352-0959-030	159
352-1(MAG-IC)	848§
352-5	188
352-5(RCA)	188
352-1576-010	342
352-5012-01	360
352-5014	357
352-7500-010	123A
352-7500-450	123A
352-7500-861	124
352-8000-010	123A
352-8000-020	123A
352-8000-030	123A
352-8000-040	123A
352-9014-00	128
352-9036-00	123A
352-9079-00	123A
352-9094-00	194
352-9103-000	123A
353(I.C.)	736
353(IC)	736
353(Transistor)	102
353-5	189
353-5(RCA)	189
353-7	189
353-2575-00	177
353-2655-000	177
353-3024-000	519
353-3083-000	177
353-3273-00	177
353-3289-000	519
353-3338-000	519
353-3339-000	177
353-3627-010	519
353-3627-020	519
353-3663-010	519
353-3687-010	519
353-3687-020	519
353-9001-001	126A
353-9001-002	126A
353-9001-003	126A
353-9002-002	126A
353-9008-001	129
353-9012-001	102A
353-9201-001	121MP
353-9203-001	152
353-9301-001	128
353-9301-002	160
353-9301-004	129
353-9304-001	159
353-9304-004	129
353-9306-001	123A
353-9306-002	123A
353-9306-003	123A
353-9306-004	123A
353-9306-005	123A
353-9306-006	199
353-9306-007	199
353-9310-001	123A
353-9312-001	102A
353-9314-001	123A
353-9315-001	123A
353-9317-001	129
353-9318-001	199
353-9318-002	199
353-9319-001	123A
353-9319-002	123A
353-9502-001	152
354(Chrysler)	723
354(CHRYSLER)	723
354-1(MAG-IC)	740A
354-3052	102
354-3127-1	123A
354-9001-001	110MP
354-9101-002	110MP
354-9101-006	116
354-9102-001	116
354-9110-001	116
355D6	161
355D7	222
355D8	161
355D9	123A
355N1-Red	284
355N2-Orange	284
355N3	284
356-1(MAG)	232
356-2	130
356-2(RCA)	162
356P1	232
357-1(RCA)	191
357A-8	351
357A-10	349
357A-22	350
357A-23	351
357N2	375
357P1	398
358-1	152
358-1(RCA)	152
358-2(ARC)	360
358RS100	5589 ◆
358RS120	5589 ◆
359-1	153
359-1(SYL)	124
359-1(MAG-IC)	857M
359-1(RCA)	153
359-3(SYL)	124
359A	116
359B	116
359C	116
359D	116
359F	116
359H	116
359K	116
359M	116
359P	125
359S	125
359V	125
359Z	125
360-1	229
360-1(MAG-IC)	960
360-1(RCA)	108
360-1(MAG)	288
360-2(MAG)	288
360-3	229
360-3(RCA)	229
360-32	177
360P1	288
361-1	186
361-1(MAG-IC)	973D
361-1(10)	171
361-1(MAG-Trans)	50
361-1(RCA)	191
361-2(MAG-Trans)	50
361-5	9361
361-5D	9361
361-5N	9361
361AJ	9361
361AL	9361
361CJ	9361
361CL	9361
361H-5	9361
361H-5D	9361
361H-5N	9361
362-1(RCA)	171
362-1(MAG-IC)	1231A
362-2(MAG-IC)	1231A
362-2(RCA)	171
362-3	171
362-4	171
362-4(RCA)	171
362-5	9362
362-5(RCA)	171
362-5D	9362
362-5N	9362
362-6	171
362-7(RCA)	171
362A10	192
362H-5	9362
362H-5D	9362
362H-5N	9362
363-1(SYL)	123A
363-1(RCA)	159
363-1(MAG-IC)	852
363-1A(SYL)	123A
363-2(MAG-IC)	852
363-3(MAG-IC)	852
363-4(MAG-IC)	852
363-5(MAG-IC)	852
363AJ	9363
363AL	9363
363CJ	9363
363CL	9363
364-1	159
364-1(RCA)	196
364-1(Sylvania)	159
364-6004	184
364-10048	312
364-B12	5547
364B14	5496
365-1	123A
365-1(SYL)	199
365T1	100
366-1(RCA)	165
366-1(Sylvania)	108
366-2(Sylvania)	108
366A	5850
366B	5854
366C	5854
366D	5854
366F	5858
366H	5858
366K	5862
366M	5862
366P	5991
366RA	5851
366RB	5855
366RC	5855
366RD	5855
366RF	5859
366RH	5859
366RK	5863
366RM	5863
366RP	5867
366RS	5867
366RV	5869
366RZ	5869
366S	5866
366V	5868
366Z	5868
367(Sears)	160
367-1(RCA)	395
367-1(SYL)	159
367-1(MAG-IC)	965
367-3	159
367-3(SYL)	159
367-30(SYL)	234
367-32-2291	5609
367A	5874
367AJ	9367
367AL	9367
367B	5874
367C	5878
367CJ	9367
367CL	9367
367D	5878
367F	5878
367H	5878
367K	5882
367M	5882
367P	5886
367RA	5875
367RB	5875
367RC	5879
367RD	5879
367RF	5879
367RH	5879
367RK	5883
367RM	5883
367RP	5887
367RS	5887
367RV	5891
367RZ	5891
367S	5886
367V	5890
367Z	5890
368-1(RCA)	222
368-1(SYL)	5802
368-4(RCA)	222
368A	5892
368AJ	9368
368AL	9368
368B	5896
368C	5896
368CJ	9368
368CL	9368
368D	5896
368F	5900
368H	5900
368K	5904
368M	5904
368P	5908
368RA	5893
368RB	5897
368RC	5897
368RD	5897
368RF	5901
368RH	5921
368RK	5905
368RM	5925
368RP	5909
368RS	5909
368RV	5911
368RZ	5911
368S	5908
368V	5910
368Z	5910
369-1(SYL)	106
369-1(RCA)	222
369-2	116
369-2(RCA)	222
369-2(CBE-MAG)	159
369-3	116
369-3(CBE-MAG)	159
369-4(CBE-MAG)	159
370-1	165
370-1(RCA)	165
370-1(MAG-IC)	1580
370-2(MAG-IC)	1580
370-5	9370
370-5D	9370
370-5N	9370
370-29(MAG-IC)	1580
370-116764	923
370AJ	9370
370AL	9370
370CJ	9370
370CL	9370
370H-5	9370
370H-5D	9370
370H-5N	9370
371-1(SYL)	128
371-5	9371
371-5D	9371
371-5N	9371
371A	5980
371AJ	9371
371AL	9371
371B	5982
371C	5986
371CJ	9371
371CL	9371
371D	5986
371F	5988
371H	5990
371H-5	9371
371H-5D	9371
371H-5N	9371
371K	5992
371M	5994
371P	5998
371RA	5981
371RB	5983
371RC	5987
371RD	5987
371RF	5989
371RH	5991
371RK	5993
371RM	5995
371RP	5999
371RS	5999
371RV	6003
371RZ	6003
371S	5998
371V	6002
371Z	6002
372-1	128
372-1(RCA)	222
372-1(MAG-IC)	74LS27
372-1(SYL)	190
372-2(SYL)	186
372-3	186
372-5	9372
372-5D	9372
372-5N	9372
372AJ	9372
372AL	9372
372CJ	9372
372CL	9372
372H-5	9372
372H-5D	9372
372H-5N	9372
373-1(SYL)	189
373-1(RCA)	159
373-2(SYL)	187
373-2(RCA)	159
373-3	187
374-1(SYL)	181
374-2(RCA)	123AP
374-3(RCA)	123AP
374-4(RCA)	123AP
375-1(SYL)	312
375-2(SYL)	312
375-6(RCA)	172A
375-1005	123A
375AJ	9375
375AL	9375
375CJ	9375
375CL	9375
376-0062	9800
376-0099	7441
376-1(SYL)	116
376-2(RCA)	221
377-1(SYL)	131
377-2(SYL)	155
377-3	229
377-3(RCA)	108
377-6(RCA)	108
377-7(RCA)	108
378-1(SYL)	312
378-2(SYL)	312
378-3(SYL)	312
378-44	130
378-44A	130
380-0057-000	124
380-0171-000	129
380-1(RCA)	389
380-1(MAG-IC)	4066B

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
380-2	389
380-2(MAG-IC)	4066B
380-5	9380
380-5D	9380
380-5N	9380
380-1000	519
380-1001	519
380AJ	9380
380AL	9380
380CJ	9380
380CL	9380
380H-5	9380
380H-5D	9380
380H-5N	9380
380H61	116
380K62	116
380M63	116
381-1(SYL)	199
381-2(SYL)	199
381-2(RCA)	128
381-5(ITT)	9381
381-5D	9381
381-5N	9381
381AJ	9381
381AL	9381
381CJ	9381
381CL	9381
381H-5	9381
381H-5D	9381
381H-5N	9381
382-1(RCA)	5400
382-1(SYL)	503
382AJ	9382
382AL	9382
382CJ	9382
382CL	9382
383AJ	9383
383AL	9383
383CJ	9383
383CL	9383
384	116
384-1(MAG-IC)	74LS174
384A	116
384B	116
384C	116
384D	116
384F	116
384H	116
384K	125
384M	125
384P	125
384S	125
384V	125
384Z	125
385-1	128
385-1(MAG-IC)	74LS42
385A	116
385B	116
385C	116
385D	116
385F	116
385H	116
385K	116
385KW	116
385M	116
385P	125
385S	125
385Z	125
386-1	159
386-1(SYL)	159
386-1(Sylvania)	159
386-1A(SYL)	159
386-1AY	116
386-1CY	116
386-1FY	116
386-2(SYL)	159
386-2A(SYL)	159
386-3(SYL)	159
386-4(SYL)	159
386-40	130
386-1102-P1	123A
386-1102-P2	123A
386-1102-P3	123A
386-7118P1	108
386-7178-P001	199
386-7178P1	123A
386-7181P2	128
386-7182-P001	195A
386-7182P1	195A
386-7183P1	130
386-7183P1A	130
386-7184P1	129
386-7185P1	123A
386-7188P1	108
386-7243-P001	161
386-7254-P202	129
386-7270-P2	181
386-7316-P1	128
386-7316-P2	128
386AK	116
386AW	116
386AX	116
386AY	116
386BW	116
386BY	116
386CW	116
386CX	116
386CY	116
386DW	116
386DY	116
386FW	116
386FX	116
386FY	116
386K	116
386KX	116
386KY	116
386MW	116
386MY	116
388A	507
388B	506
390(7MM-MOV)	1V025
390(5MM-MOV)	1V025
390-1(MAG)	395
390A	6110
390AJ	9390
390AL	9390
390B	6110
390CJ	9390
390CL	9390
390D	6110
390E	6110
390N	6112
390P	6112
390PA	6112
390PB	6110
390S	6112
390T	6112
391-1(SYL)	159
391-1(RCA)	108
391-1A(SYL)	159
391-2(SYL)	159
391-2A(SYL)	159
391AJ	9391
391AL	9391
391CJ	9391
391CL	9391
392-1	108
392-1(SYL) @..123AP-@-192	
392-1(Sylvania)	128
392-1(RCA)	108
392-1(MAG)	238
392-2(MAG)	238
392-2(SYL) @..123AP-@-192	
392-3(MAG)	238
392-3(SYL) @..123AP-@-192	
392-4(MAG)	238
392-5(SYL) @..123AP-@-192	
392AJ	9392
392AL	9392
392CJ	9392
392CL	9392
393-1(SYL)	129
393-1A(SYL)	129
393-2(SYL)	129
393-2A(SYL)	129
393-3(SYL)	193
393AJ	9393
393AL	9393
393CJ	9393
393CL	9393
394-1(SYL)	128
394-2(SYL)	128
394-3(SYL)	128
394-4(SYL)	129
394-4A(SYL)	129
394-5(SYL)	129
394-5A(SYL)	129
394-6(SYL)	129
394-40-0951	125
394-1571-1	519
394-1592-1	177
394-1602-1	177
394-3003-1	123A
394-3003-3	123A
394-3003-7	123A
394-3003-9	123A
394-3005-2	128
394-3074-2	102
394-3074-5	102
394-3097-1	102
394-3097-2	102
394-3102-1	101
394-3127-1	128
394-3127-2	128
394-3127-3	128
394-3127-4	130
394-3135	135A
394-3135A	130
394-3137-1	198
394-3141-1	128
394-3145	159
394AJ	9394
394AL	9394
394CJ	9394
395-1(MAG)	54
395-2(MAG)	55
395-3(MAG)	54
395-4(MAG)	55
395AJ	9679
395AL	9679
395CJ	9679
395CL	9679
396-1(MAG-IC)	4081B
396-1(SYL)	390
396-7178P1	108
396AJ	9696
396AL	9696
396CJ	9696
396CL	9696
397-1(MAG-IC)	40161B
397N2	152
397P1	153
398-1(RCA)	49
398-2	49
398-5(RCA)	152
398-8418-1	9904
398-8972-1	7460
398-13222-1	923D
398-13223-1	7400
398-13224-1	7404
398-13225-1	7405
398-13226-1	7401
398-13227	941M
398-13632-1	7404
398B	5801
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399-5	152
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399A	5800
399B	5802
399C	5802
399D	5802
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400-1736	9926
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400-2023-201	123A
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400E10	6102
400E10R	6103
400E20	6102
400E20R	6103
400E30	6102
400E30R	6103
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400E40R	6103
400E50	6102
400E50R	6103
400E60	6102
400E60R	6103
400E70	6104
400E70R	6105
400E80	6104
400E80R	6105
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400E100	6104
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401(7MM-MOV)	1V250
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402A	5980
402B	5982
402C	5986
402D	5986
402F	5988
402H	5990
402K	5992
402M	5994
402P	5998
402S	5998
402V	6002
402Z	6002
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403-1	109
403A	5980
403B	5986
403C	5986
403D	5986
403F	5988
403H	5990
403K	5992
403M	5994
403P	5998
403S	5998
403V	6002
403Z	6002
404-1(SYL)	123AP
404-2(Sylvania)	123A
404-2(SYL)	123A
404A	5874
404B	5874
404B(NCR)	129
404C	5878
404D	5878
404F	5878
404H	5878
404K	5882
404M	5882
404P	5886
404S	5886
404V	5890
404Z	5890
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405B	5944
405C	5944
405D	5944
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407A	5850
407B	5854
407C	5854
407D	5854
407F	5858
407H	5858
407K	5862
407M	5862
407P	5866
407RA	5851
407RB	5855
407RC	5855
407RD	5855
407RF	5859
407RH	5859
407RK	5863
407RM	5863
407RP	5867
407RS	5867
407RV	5869
407RZ	5869
407S	5866
407V	5868
407Z	5868
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408-1(RCA)	222
408A	5874
408B	5874
408C	5878
408D	5878
408F	5878
408H	5878
408K	5882
408M	5882
408P	5886
408RA	5875
408RB	5875
408RC	5875
408RD	5879
408RF	5879
408RH	5879
408RK	5883
408RM	5883
408RP	5887
408RS	5887
408RV	5891
408RZ	5891
408S	5886
408V	5890
408Z	5890
409-1	222
409-1(RCA)	222
409A	5892
409B	5896
409C	5896
409D	5896
409F	5900
409H	5900
409K	5904
409M	5904
409P	5908
409RA	5893
409RB	5897
409RC	5897
409RD	5897
409RF	5901
409RH	5901
409RK	5905
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409RP	5909
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409RV	5911
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409V	5910
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412-1300	130
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413-0149	104
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415-2004-330	1218
415-4112-510	1490
415-7013-102	801
416A	6050
416B	6050
416C	6054
416D	6054
416F	6060
416H	6060
416K	6064
416M	6064
416P	6068
416RA	6050
416RB	6050
416RC	6055
416RD	6055
416RF	6061
416RH	6061
416RK	6065
416RM	6065
416RP	6069
416RS	6069
416RV	6073
416RZ	6073
416S	6068
416V	6072
416Z	6072
417-2	160
417-4-00226	196
417-5	102A
417-6	158
417-7	123A
417-11	160
417-12	160
417-13	160
417-14	160
417-16	160
417-17	102A
417-18	158
417-19	107
417-20	121
417-21	158
417-22	160
417-23	160
417-25	160
417-26	160
417-27	160
417-28	158
417-29	179
417-29BLK	179
417-29GRN	179
417-29WHT	179
417-30	121
417-31	160
417-32	121
417-33	160
417-35	160
417-36	160
417-37	160
417-38	160
417-39	160
417-40	102A
417-41	102A
417-42	179
417-43	129
417-44	121
417-45	121
417-46	121
417-47	102A
417-48	102A
417-49	128
417-50	160
417-51	158
417-52	102A
417-53	160
417-54	160
417-56	160
417-57	160
417-58	160
417-59	128
417-60	160
417-62	104
417-66	160
417-67	123A
417-68	160
417-69	123A
417-70	160
417-71	160
417-72	160
417-73	102A
417-74	102A
417-75	102A
417-76	160
417-77	123A
417-78	102A
417-79	160
417-81	6400B
417-83	108
417-87	128
417-88	128
417-89	128
417-90	121
417-91	123A
417-92	123A
417-93	123A
417-93-12903	123A
417-94	123A
417-99	121
417-100	128
417-101	162
417-102	106
417-103	102A
417-104	175
417-105	123A
417-106	123A
417-108	123A
417-108-13163	199
417-109	123AP
417-109(Heath)	123AP
417-109-13163	123A
417-110	123A
417-110-13163	123A
417-111	129
417-112	127
417-113	179
417-114	128
417-114-13163	123A
417-115	154
417-115-13173	128
417-116	159
417-116-13165	159
417-118	123A
417-119	704
417-120	179
417-121	103A
417-122	102A
417-123	726
417-124	108
417-125	108
417-125-12903	107
417-126	123AP
417-126(Heath)	123A
417-126-12903	199
417-127	123
417-128	128
417-129	123A
417-132	159
417-133	128
417-134	123A
417-134-13271	123A
417-135	123A
417-136	128
417-137	128
417-138	129
417-139	130
417-139-13286	181
417-139A	130
417-140	312
417-141	121
417-142	179
417-143	160
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417-145	185
417-146	158
417-147	158
417-148	158
417-149	158
417-150	158
417-151	158
417-152	158
417-153	159
417-153-13431	234
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417-155	128
417-155-13163	123A
417-158	162
417-159	157
417-160	131
417-161	172A
417-162	130
417-168	159
417-169	312
417-170	129
417-171	123AP
417-171(Heath)	123AP
417-171-13163	123A
417-172	123A
417-172-13271	123A
417-175	196
417-175-12993	152
417-176	159
417-177	105
417-178	128
417-180	128
417-181	129
417-182	159
417-183	6400B
417-184	159
417-185	123A
417-187	6400B
417-190	107
417-192	123A
417-193	128
417-194	312
417-195	157
417-196	159
417-196-13262	234
417-197	123A
417-199	175
417-200	159
417-201	159
417-202	711
417-203	196
417-204	162
417-205	107
417-206	220
417-207	220
417-211	312
417-212	130
417-212A	130
417-213	123A
417-214	181
417-214-13286	181
417-215	130
417-215-13286	130
417-215A	130
417-216	121
417-217	123A
417-221	50
417-222	172A
417-224	128
417-225	185
417-226-1	123A
417-226-13163	199
417-227	157
417-228	123A
417-229	123A
417-230	427/396
417-231	312
417-232	198
417-232(Heath)	154
417-233	126
417-233-13163	123A
417-234	129
417-234-13165	159
417-235	159
417-235(Heath)	159
417-235-13262	159
417-237	128
417-237-13163	128
417-238	124
417-239	163A
417-241	312
417-242-8181	159
417-243	161
417-244	123A
417-244-12903	199
417-245	171
417-246	312
417-247	128
417-248	163A
417-250	128
417-252	312
417-253	312
417-254	181
417-255	129
417-257	128
417-258	161
417-260	129
417-260-50127	159
417-262	161
417-272	265
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417-291	312
417-294	287
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417-816	196
417-817	197
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417-912	341
417A	5986
417B	5982
417C	5986
417D	5986
417F	5988
417H	5990
417K	5992
417M	5994
417P	5998
417RA	5987
417RB	5983
417RC	5987
417RD	5987

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417RF	5989
417RH	5991
417RK	5993
417RM	5995
417RP	5999
417RS	5999
417RV	6003
417RZ	6003
417S	5998
417V	6002
417Z	6002
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418A	5986
418B	5982
418C	5986
418D	5986
418F	5988
418H	5990
418K	5992
418M	5994
418P	5998
418RA	5987
418RB	5983
418RC	5987
418RD	5987
418RF	5989
418RH	5991
418RK	5993
418RM	5995
418RP	5999
418RS	5999
418RV	6003
418RZ	6003
418S	5998
418V	6002
418Z	6002
419-1(MAG-IC)	2204
419-1(MAG)	69
419-2(MAG)	69
419-3(MAG)	69
419A	5986
419B	5982
419C	5986
419D	5986
419F	5988
419H	5990
419K	5992
419M	5994
419P	5998
419RA	5987
419RB	5983
419RC	5987
419RD	5987
419RF	5989
419RH	5991
419RK	5993
419RM	5995
419RP	5999
419RS	5999
419RV	6003
419S	5998
419V	6002
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420-2005-000	113A
420-2104-570	125
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420PB60	5595
420PB80	5596
420PB100	5596
420PB120	5596
420PBL50	5386
420PBL60	5386
420PBL80	5387
420PBL100	5387
420PBL110	5387
420PBL120	5387
420PBM50	5386
420PBM60	5386
420PBM80	5387
420PBM100	5387
420PBM110	5387
420PBM120	5387
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421-7	160
421-7(MAG)	331
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421-8(MAG)	332
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421-9	102A
421-10	102A
421-11	102A
421-11B	102A
421-12	102A
421-12B	102A
421-13	102A
421-13B	102A
421-13C	102
421-14	102A
421-14B	102A
421-15	102A
421-15B	102A
421-16	126A
421-17	126A
421-18	124
421-19	102
421-20	126A
421-20B	126A
421-21	126A
421-21B	126A
421-22	126A
421-22B	126A
421-24	121
421-25	121
421-26	126A
421-1096	5120A
421-2061	138A
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421-6599	121
421-7143	102A
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421-8111	123A
421-8310	124
421-9644	123A
421-9670	123A
421-9671	102A
421-9682	100
421-9683	108
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421-9840	123A
421-9862	103A
421-9862A	102A
421-9863	102A
421-9863A	102A
421-9864	102A
421-9864A	102A
421-9865	116
421T1	102A
422-0222	102A
422-0738	123A
422-0739	129
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422-1233	128
422-1234	123A
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422-2533	123A
422-2534	123A
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422-2540	116
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422-2779	160
422-2780	160
423-800-235	9933
423-800175	9932
423-800176	9962
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423-800178	9946
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423-800234	9930
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429-10036-0A	519
429-10036-0B	519
429-10054-0A	519
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430-87	123A
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430-10034	123A
430-10034-06	123A
430-10047-0C	128
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430CL	123A
430E	6113
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433-1(MAG)	2300
433-1(SYL)	123A
433-1 (Sylvania)	123A
433-2(NAP)	2318
433-3(MAG)	2300
433-4(MAG)	2300#
433-5(MAG)	2302
433CL	123A
433M852	129
433P1(GE)	485
434	199
434-1(CBE-MAG)	159
434-1(RCA)	710
434-2(CBE-MAG)	159
434-3(CBE-MAG)	159
435-1(CBE-MAG)	123AP
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435-3(CBE-MAG)	123AP
435-4(CBE-MAG)	123AP
435-21026-0A	7400
435-21027-0A	7402
435-21028-0A	7404
435-21029-0A	7408
435-21030-0A	7410
435-21033-0A	7420
435-21034-0A	7451
435-21035-0A	7486
435-23006-0A	7473
435-23007-0A	7474
435-40012	116
435A	5981
435B	5983
435C	5987
435D	5987
435F	5989
435H	5991
435K	5993
435M	5995
435P	6069
435S	6069
435V	6073
435Z	6073
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436A	5981
436B	5987
436C	5987
436D	5987
436F	5991
436H	5991
436K	5995
436M	5995
436P	5999
436S	5999
436V	6003
436Z	6003
436.0709	909D
436.0741	941M
437-1(ECB-MAG)	287
437-1(SYL)	191
437-1(RCA)	787
437-2(RCA)	787
437-3(RCA)	787
437A	5871
437B	5875
437C	5879
437D	5879
437F	5879
437H	5879
437K	5883
437M	5883
437P	5886
437P1(GE)	352
437S	5886
437V	5890
438-002/01	909D
438-002/02	909
438-002/12	778A
438-1(RCA)	788
438-1(ECB-NAP)	187A
438-1(MAG-IC)	1416
438-2(RCA)	788
438-3(RCA)	788
439-054/00	4000
439-054/01	4001B
439-054/11	4011B
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439-054/16	4016B
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439-054/25	4025B
439-054/27	4027B
439-054/49	4049
439-054/50	4050B
439-2(RCA)	789
440-1(SYL)	284
440-2(SYL)	284
441-1(MAG)	159
441-2(SYL)	285
441-819	3079
441A	5850
441B	5854
441C	5854
441D	5854
441F	5858
441H	5858
441K	5862
441M	5862
441P	5866
441S	5866
441V	5868
441Z	5868
442-1	319P
442-1(MAG)	319P
442-2(SYL)	331
442-3(MAG)	319P
442-4	785§
442-4(HEATH)	785§
442-5	780
442-7	909D
442-8	703
442-9	720
442-10	705A
442-11	748A
442-16	722
442-18(HEATH)	746
442-20	703
442-20-14299	703
442-21	778A
442-22	941M
442-28	708
442-30	309K
442-30-2897	309K
442-33	713
442-39	975
442-41	725
442-46	801
442-51	779A
442-55	795
442-56	747
442-57	714
442-58	715
442-59	783
442-60	972
442-62	712
442-63	968
442-68	715
442-71	992
442-80(HEATH)	738
442-602	987
442-604	2001
442-613	969
442-615	725
442-620	815
442-625	708
442-630	961
442-659	2022
442-674	966
442-675	967
442-682	2021
442-686	740A
442-688	832
442-691	964
442N1	319P
443-1	7400
443-1(MAG-IC)	2201
443-1(MAG)	48
443-1(SYL)	332
443-2	7420
443-2(SYL)	332
443-4	7472
443-5	7473
443-6	7474
443-7	7490
443-7-16088	7490
443-12	7410
443-13	7475
443-15	7450
443-16	7476
443-17	74141
443-18	7404
443-22	74121
443-23	74122
443-25	74151
443-26	74S00
443-27	9093
443-32	74121
443-34	7492
443-35	7441
443-36	7447
443-43	74H102
443-44	7413
443-44-2854	7413
443-45	7408
443-46	7402
443-53	7442
443-54	7403
443-65	7427
443-66	74192
443-70	74H103
443-71	74H00
443-72	7417
443-73	7416
443-74	75452B
443-77	7438
443-87	74145
443-89	7409
443-162	74193
443-604	4007
443-607	4013B
443-612	74193
443-623	7411
443-623(Heath)	74154
443-623-51644	7411
443-625	74132
443-628	74196
443-631	3040
443-640	7493A
443-642	7405
443-694	8368
443-698	7406
443-701	4049
443-703	4001B
443-704	4002B
443-706	4071B
443-707	4515B
443-708	4510B
443-713	4028B
443-717	74126
443-718	74LS195A
443-719	74LS266
443-727	96L02
443-728	74LS00
443-730	74LS74A
443-731	74LS290
443-732	74LS30
443-733	74LS293
443-737	4518B
443-738	4556B
443-745	74LS03
443-751	4081B
443-752	74LS175
443-754	74LS240
443-755	74LS04
443-757	74LS161A
443-760	4040B
443-764	2114
443-778	4093B
443-779	74LS02
443-780	74LS08
443-781	74LS75
443-784	4030B
443-791	74LS244
443-792	74LS132
443-794	75188
443-795	75189
443-797	74LS10
443-798	74LS20
443-799	74LS157
443-800	74LS27
443-802	74LS257
443-804	74LS259
443-805	74LS273
443-807	74LS42
443-811	74LS125A
443-815	74LS193
443-818	74LS05
443-822	74LS139
443-824	74LS241
443-827	6800
443-837	74LS373
443-839	74LS243
443-840	6875
443-843	6821
443-857	74LS366A
443-864	74LS11
443-872	74LS14
443-875	74LS32
443-877	74LS138
443-879	74LS132
443-881	3880
443-884	74LS242
443-885	74LS645
443-886	4012B
443-891	74LS86
443-896	74S02
443-897	74S04
443-899	74S65
443-900	74S74
443-904	2117
443-915	74S86
443-920	74LS85
443-928	4008B
443-929	4017B
443-935	74S153
443-D(HEATH)	7430
444(Sears)	123A
444-0012-PT2	160
444-01	9910
444-02	9914
444-05	9913
444-012-P1	160
444-1(MAG)	89
444-1(NAP-IC)	1754◆
445-0023	130
445-0023-P1	130
445-0023-P3	130
445-0023-P4	130
445-0028-P1	5547
445-0028-P2	5547
445-0034-1	181
445-0300P3	5626
445-0303-001	5642
445-0303-002	5642
445-1(RCA)	711
445-1(MAG-IC)	1632
446A	5851
446B	5854
446C	5855
446D	5855
446F	5859
446F(W.E.)	5809
446H	5859
446K	5863
446M	5863
446P	5866
446RB	5855
446S	5866
446V	5868
446Z	5868
447(ZENITH)	123A
447-08	941
447-1	319P
447-1(MAG)	319P
447-16	911
447-25	973D
447-33	973
447-40	778A
447-50	941
447-55	941M
447N1	319P
448-002/03	941
448-1(MAG-IC)	960
448A662	128
449	184
449-1(MAG)	159
449-1(NAP-IC)	1752
450-1	123AP
450-1(MAG)	123AP
450-2(MAG)	199
450-1167-1	159
450-1167-2	123A
450-1261	123A
450N1	123AP
451-2(MAG)	159
451-3	159
451-3(MAG)	159
451C	987
451D	5944
451P3	159
452-0(SYL)	116
453-1(MAG)	455◆
454A25	116
454A104	128
454-A2534-1	116
454-A2534-10	116
455-1	126A
455-1(MAG)	153
455-1(MAG-IC)	74LS14
456-2	123AP
456-2(MAG)	123AP
456N2	123A
457-1(MAG)	152
457-2(MAG)	196
457-3(MAG)	196
458-1(SYL-Diode)	116
458-3	123AP
458-3(MAG)	123AP
458N3	123AP
460-1(MAG)	159
460-1(MAG-IC)	2023
460-2(RCA)	789
460-3(RCA)	789
460-1009	177
460-1013	116
461-1006	159
461-1014	129
461-1048	129
461-1055-01	159
461-2001	234
462-0119	123A
462-1(MAG)	196
462-2(MAG)	196
462-3(MAG)	196
462-5(MAG)	196
462-1000	123A
462-1007	128
462-1009-01	123A
462-1016	128
462-1019	128
462-1038-01	199
462-1059	198
462-1061	123A
462-1063	123A
462-1066-01	199
462-2002	123A
462-2004	199
462-i007	128
463-0(SYL)	116
463-1(MAG-Trans)	238
463-1(SYL)	165
463-1(MAG)	238
463-2(MAG)	238
463-2(SYL)	165
463-2(MAG-Trans)	238
464-1	159
464-1(MAG)	159
464-1(MAG-IC)	923D
464-100-19	109
464-103-19	109
464-106-19	109
464-110-19	110MP
464-111-19	109
464-113-19	109
464-119-19	110MP
464-280-19	117A
464-285-15	116
464-285-19	117A
464-311-19	140A
464P1	159
465-005-19	102A
465-032-19	160
465-036-19	102A
465-042-19	160
465-045-19	160
465-049-19	160
465-061-19	160
465-067-19	158
465-072-19	102A
465-073-19	102A
465-075-19	102A
465-080-19	102A
465-082-19	102A
465-086-19	160
465-1(MAG)	123AP
465-1A5	160
465-2A5	103A
465-4A5	101
465-106-19	123A
465-108-19	158
465-115-19	102A
465-132-19	102A
465-137-19	131
465-146-19	160
465-163-19	102A
465-165-19	102A
465-166-19	131MP
465-181-19	107
465-191-15	102A
465-206-19	131
465-223-19	160
465-260-15	131 + 155(CP)
465A-15	160
465B-15	160
465C-15	121
466-1(MAG-IC)	943M
466-1A5	102A
466-2A5	102A
466-3A5	102A
468-1	228A
468-1(MAG)	228A
468N1	228A
469-2(SYL)	152
469-199-19	5078A
469-646-3	128
470(7MM-MOV)	1V030
470(5MM-MOV)	1V030
470PA50	5595
470PA60	5595
470PA80	5596
470PA100	5596
470PA110	5596
470PA120	5596
470PB30	5595
470PB50	5595
470PB60	5595
470PB80	5596
470PB100	5596
470PB120	5596
470PDA10	6113
470PDA20	6113
470PDA30	6113
470PDA40	6113
470PDA50	6113
470PDA60	6113
470PDA80	6115
470PDA100	6115
471-009	726
471-010	116
471-1	171
471-1(Metal)(SYL)	128
471-1(METAL)	401/128
471-1(Plastic)	188
471-1(MAG)	171
471N1	171
471PDA80	6112
471PDA100	6112
471PDA120	6112

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
472-0309-001	128
472-0445-001	128
472-0491-001	123A
472-0946-001	130
472-0946-002	130
472-1(SYL)	198
472-1198-001	123A
473-1(MAG)	238
473A31	121
473B5	102A
473B6-2	102
473B6-2A	102
473B6-4	102
473B6-5	102
473B6-7	102
474-004	116
474-025	116
474-1	123AP
474-1(MAG)	123AP
474-1(MAG-IC)	4052B
474-3A5	100
474A410AXP001	124
474A410BEP2	152
474A410BW-2	152
474N1	123AP
475-018	5802
475-1	159
475-1(MAG)	159
475-1(MAG-IC)	4001B
475P1	159
476-1	397
476-1(MAG)	397
476A	123
476P1	397
477-0375-001	9932
477-0376-001	909
477-0376-002	909D
477-0377-001	9930
477-0379-001	9962
477-0380-001	9945
477-0381-001	9946
477-0404-002	910
477-0412-004	7473
477-0415-002	7450
477-0417-002	7453
477-0542-001	941
477-1	386
477-1(MAG)	386
477A15	105
477B15	121MP
477C15	121MP
477N1	386
478C	5874
479-0547-001	519
479-0663-005	177
479-1	287
479-1(MAG)	287
479-1(MAG-IC)	960
479-3(MAG-IC)	964
479-4(MAG-IC)	966
479-5(MAG-IC)	968
479-6(MAG-IC)	958
479-7(MAG-IC)	972
479-1006-002	5529
479-1012-001	519
479-1013-001	519
479-1013-002	519
479-1055-001	519
479-1066	5529
479-1163-001	519
479-1229-001	519
479-1248-001	519
479N1	287
480-1	194
480-1(MAG-IC)	859
480-1(MAG)	194
480-9(SEARS)	131
480-10(RCA)	4017B
480N1	194
481-0001(Gremlin)	116
481-0004(Gremlin)	5802
481-0006(Gremlin)	519
481-0009(Gremlin)	5340
481-1(SYL)	5802
481-2(SYL)	5800
481-3(SYL)	5802
481-201-A	128
481-201-B	128
481-34842	191
482-0006(Gremlin)	159
482-0007(Gremlin)	130
482-0010(Gremlin)	293
482-0013(Gremlin)	261
482-0014(Gremlin)	123AP
482-0015(Gremlin)	262
482-0016(Gremlin)	291
482-0019(Gremlin)	261
482-0023(Gremlin)	466
482-0100(Gremlin)	262
482-1	159
482-1(MAG)	159
482P1	159
483-3141	123A
484A15	121
486-1(MAG)	123AP
486-1551	123A
486-40235-G02	116
487-1(MAG)	159
488-1(ECB-SYL)	399
488-2(SEARS)	108
488B15	160
488C15	100
489-1(NAP-IC)	1744
489-1(MAG)	193
489P2	339
490-2(SEARS)	108
491-2(SEARS)	108
491A948	128
491N(ITT)	75491B
492-1(MAG-IC)	2013
492-1A5	105
492N(ITT)	75492B
493-1(MAG-IC)	4053B
493N(ITT)	75493
494-1(NAP-IC)	778A♦
496-1(MAG-IC)	1655
498-1(CBE-MAG)	159
498-2(CBE-MAG)	159
499(Chrysler)	152
499(ZENITH)	123A
499-1	108
499-1(CBE-MAG)	123AP
499-1(Zenith)	123AP
499-2(CBE-MAG)	123AP
499-3(CBE-MAG)	123AP
499-4(CBE-MAG)	123AP
500-019	3020
500-1(CBE-MAG)	123AP
500-2(CBE-MAG)	123AP
500-3(CBE-MAG)	123AP
500-4(CBE-NAP)	199
500-5D(ITT)	75492B
500B10	125
500RS20	525
500S10	125
500S20	525
501-068	282§
501-5M(ITT)	75491B
501-363-2	5802
501-4249	123AP
501ES001M	108
501P(Trans)	85
501T1	160
501V60	6102
501V60B	6102
501V80	6104
501V80B	6104
501V100	6104
501V100B	6104
501V120	6104
501V120B	6104
501VR60	6103
501VR60B	6103
501VR80	6105
501VR80B	6105
501VR100	6105
501VR100B	6105
501VR120	6105
501VR120B	6105
503T1	160
503-T10192	156
503-T21271	109
503-T21472	109
504-067	1232
504-080-000	HiDiv-1
504-1(MAG-IC)	1219♦
504T1	160
505-1(CBE-MAG)	159
505-2(SYL)	297
505-2(CBE-MAG)	159
505ES105	176
505T1	160
506-2(SYL)	288
506T1	160
507-0(SYL)	184
507-4757-3331-500	3200
507-4758-3331-500	3200
507-4857-3332-500	3201
507-4858-3332-500	3201
507-4957-3333-500	3202
507-4958-3333-500	3202
507T1	160
508-0(SYL)	185
508-1(RCA)	128
508-1(SYL)	188
508-2(SYL)	188
508T1	160
509(Sears)	123A
509-1	238
509-1(MAG)	165
509-1(SYL)	189
509-2(SYL)	189
509ES0258	176
509N1	238
509R	290A
509Y	290A
510-4(SYL)	287
510A90	109
510ED46	109
510IN60	109
510IS34	109
511-1(MAG)	47
511-3	5531
511-515	123
511-519	123
511-898	116
512-1(NAP)	331
512ES040P	176
512RED	123A
513-891	114
513ES045P	176
514-004-4517	1288
514-048	761§
514-053	OBS-NLA
514-019136	116
514-019613	109
514-022057	109
514-023553	101
514-023626	116
514-025607	116
514-026814	6027
514-027051	5002A
514-027662	100
514-027757	116
514-028072	116
514-028073	116
514-030963	5962
514-031162	5962
514-032815	100
514-033338	289A
514-033377	121
514-033903	177
514-035596	116
514-038984	116
514-040296	312
514-042791	177
514-043826	5514
514-044910	159
514-045244	125
514-047801	2040
514-047828	210
514-047829	211
514-047830	196
514-047837	211
514-047970	5072A
514-048551	761§
514-052689	5963
514-053752	OBS-NLA
514-053981	975
514-054214	130
514-054489	74107
514-057814	5673
514-058337	5414
514-058621	88
514-058969	3020
514-058992	5014A
514-059342	5650
514-059464	7403
514-059465	7402
514-059466	7420
514-059467	7474
514-059468	74150
514-059469	74154
514-059471	5543
514-059628	4011B
514-060021	7405
514-060260	2042§
514-061662	912
514-061735	2040
514-061986	7410
514-061987	7404
514-061988	7486
514-062023	992
514-062025	966
514-062141	975
514-062142	4016B
514-062143	4051B
514-062144	4071B
514-062145	4081B
514-062212	975
514-063293	778A
514-063882	7412
514-063883	74195
514-064032	2040
514-0594463	7400
514-1(RCA)	127
514-1(MAG-IC)	2164
514-100243	519
514-100547	2042§
514-100576	56022
514-100684	3046
514-101082	74LS00
514-101083	74LS02
514-101084	74LS03
514-101085	74LS04
514-101086	74LS05
514-101087	74LS10
514-101088	74LS12
514-101089	74LS20
514-101090	74LS30
514-101091	74LS74A
514-101092	74LS75
514-101093	74LS86
514-101094	74LS107
514-101095	74LS151
514-101096	74LS164
514-101097	74LS195A
514-101099	4013B
514-101391	4017B
514-101392	4019B
514-101393	4081B
514-101395	4001B
514-101396	4555B
514-101397	4512B
514-101550	4069
514-101843	4042B
514-101844	4012B
514-101845	4023B
514-102343	4002B
514-102579	74LS42
514-102661	4066B
514-102758	6508
514-102916	4024B
514-103420	778A
514-103421	2041§
514-103488	4070B
514-103682	960
514-103684	968
514-103685	969
514-103697	902
514-103698	7447
514-103699	4028B
514-103700	2011
514-103701	4556B
514-103702	4099B
514-103704	7417
514-112279	941M
515	123
515-0074	201
515-299	116
515-521	108
515-10408A-01	710
515-10408A01	710
515ORN	123A
516	123
516-1(RCA)	159
516-2(SYL)	295
517-0021	116
517-0025	116
517-0031	116
517-0033	116
517-1(MAG)	2310#
517-2(MAG)	2310#
517-2(SYL)	152
517-518	123
518-027-4B01	1288
518-1(MAG)	46
518-2(SYL)	292
518-499	116
519-1(RCA)	123AP
520-1(RCA)	124
520-301	128
520T1	100
521-081	110MP
521-094	116
521-1(RCA)	108
521-145	109
521-9167	3018
521-9185	3000
521-9186	3001
521-9189	3007
521-9195	3001
521-9206	3010
521-9207	3011
521-9217	3020
521-9224	3024
521-9225	3021
521-9246	3022
521-9248	3021
521-9249	3022
521-9250	3024
521-9256	3022
521-9258	3021
521-9260	3024
521T1	100
522(ZENITH)	107
522-726	116
522-893	113A
522-958	170
523-0001-001	116
523-0001-002	116
523-0001-003	116
523-0001-004	116
523-0001-005	116
523-0001-006	116
523-0001-007	125
523-0001-008	125
523-0001-009	125
523-0001-010	125
523-0006-002	519
523-0007-001	519
523-0009-027	613
523-0009-041	610
523-0009-049	614
523-006-002	519
523-0013-002	116
523-0013-201	519
523-0015-001	5800
523-0016-500	5981
523-0017-001	156
523-0501-002	116
523-0501-003	116
523-250-3-100	140A
523-1000-001	116
523-1000-067	109
523-1000-67	109
523-1000-294	109
523-1000-295	109
523-1000-326	OBS-NLA
523-1000-881	116
523-1000-882	116
523-1000-883	519
523-1002-326	109
523-1500-002	116
523-1500-012	552
523-1500-067	109
523-1500-881	116
523-1500-883	519
523-2001-100	140A
523-2003-001	109
523-2003-0-1	109
523-2003-100	140A
523-2003-101	5096A
523-2003-110	5074A
523-2003-120	142A
523-2003-130	143A
523-2003-140	144A
523-2003-150	145A
523-2003-160	5075A
523-2003-170	5076A
523-2003-180	5077A
523-2003-190	5078A
523-2003-200	5079A
523-2003-220	5080A
523-2003-240	5081A
523-2003-250	5082A
523-2003-270	146A
523-2003-300	5084A
523-2003-330	147A
523-2003-339	5066A
523-2003-360	5085A
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544-2003-016	960
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544-3001-140	4049
544-3001-201	991
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547J2F	125
548-1(MAG-IC)	74LS244
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551-011	74121
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551-015	7408
551-016	960
551-019	74107
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551-021-00	2040
551-022-00	778A
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551-025-00	902
551-026-001	778A
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551-029-01	2041§
551-030-00	978
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551-033-00	4001B
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551-037-00	966
551-038-00	4013B
551-039-00	4042B
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551-042-22	967
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553-1(RCA)	128
554(IC)	1142
554(ITT)	2012
554-1(RCA)	730
554-1(MAG)	399
554-1(NAP)	399
554-2(RCA)	730
554-3(RCA)	730
554-4(RCA)	730
554C(IC)	1142
555	955M
555(IC)	OBS-NLA
555(IC TIMER)	955M
555-1(NAP)	2302

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555AB(IC)	703
555C(IC)	703
555CP(IC)	955M
555H(IC)	1092
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556J	978
556L	978
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558-1(NAP)	216
558C	1051
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559-1492-001	9911
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561-6800-669	121
561-6800-679	101
561-6800-687	5527
561-6800-696	123
561-6800-697	128
561-6800-700	160
561-6800-706	108
561-6800-718	108
561-6800-720	128
561-6800-741	160
561-6800-914	108
561-6800-916	108
561-6800-929	123A
561-6800-930	123A
561-6801-007	102
561-6801-008	102
561-6801-034	129
561-6801-038	176
561-6801-040	104
561-6801-102	103A
561-6801-136	121
561-6801-175	102
561-6801-178	160
561-6801-182	176
561-6801-183	176
561-6801-184	176
561-6801-185	100
561-6801-301	160
561-6801-303	158
561-6801-304	101
561-6801-305	158
561-6801-308	101
561-6801-309	100
561-6801-311	101
561-6801-363	121
561-6801-365	121
561-6801-370	102
561-6801-372	102
561-6801-373	102
561-6801-378	102
561-6801-379	102
561-6801-381	102
561-6801-404	102
561-6801-415	102
561-6801-420	128
561-6801-502	104
561-6801-537	121
561-6801-542	179
561-6801-544	179
561-6801-545	179
561-6801-556	179
561-6801-557	179
561-6801-592	107
561-6801-605	101
561-6801-606	101
561-6801-613	128
561-6801-623	129
561-6801-666	121
561-6801-670	6400B
561-6801-711	128
561-6801-755	104
561-6801-922	129
561-6801-926	102A
561-6801-990	128
561-6801-997	100
561-6801-998	100
561-6802-076	105
561-6802-078	105
561-6802-137	104
561-6802-147	104
561-6802-153	213
561-6802-156	213
561-6802-188	160
561-6802-218	123
561-6802-221	123A
561-6802-223	123A
561-6802-270	128
561-6802-369	123A
561-6802-375	102
561-6802-382	160
561-6802-484	123A
561-6802-501	123A
561-6802-564	102
561-6802-646	6401
561-6802-714	107
561-6802-869	121
561-6802-904	129
561-6802-905	129
561-6802-907	159
561-6802-908	159
561-6802-923	199
561-6802-924	199
561-6802-925	199
561-6802-996	160
561-6803-011	123A
561-6803-012	159
561-6803-013	123A
561-6803-053	128
561-6803-054	175
561-6803-055	130
561-6803-115	123A
561-6803-133	129
561-6803-135	159
561-6803-214	121
561-6803-215	121
561-6803-250	159
561-6803-300	311
561-6803-371	160
561-6803-391	199
561-6803-393	199
561-6803-397	199
561-6803-403	192A
561-6803-416	289A
561-6803-417	289A
561-6803-440	396
561-6803-441	286
561-6803-442	284
561-6803-448	130
561-6803-460	312
561-6803-502	129
561-6803-504	159
561-6803-565	123AP
561-6803-566	123AP
561-6803-567	297
561-6803-568	128
561-6803-569	128
561-6803-585	124
561-6803-638	159
561-6803-639	159
561-6803-644	159
561-6803-645	129
561-6803-646	123AP
561-6803-702	159
561-6803-703	159
561-6803-705	297
561-6803-711	199
561-6803-715	130
561-6803-721	107
561-6803-732	127
561-6803-739	124
561-6803-766	175
561-6803-771	181
561-6803-772	181
561-6803-773	284
561-6803-789	219
561-6803-819	312
561-6803-822	459
561-6803-858	199
561-6803-902	283
561-6803-903	123AP
561-6803-904	123AP
561-6803-905	159
561-6803-906	159
561-6804-030	129
561-6804-037	129
561-6804-092	466
561-6804-123	123AP
561-6804-124	123AP
561-6804-125	159
561-6804-126	159
561-6804-234	129
561-6804-235	129
561-6804-237	128
561-6804-240	124
561-6804-249	159
561-6804-275	108
561-6804-348	280
561-6804-356	159
561-6804-360	326
561-6804-387	153
561-6804-400	123AP
561-6804-401	123AP
561-6804-402	159
561-6804-403	159
561-6804-424	289A
561-6804-851	6401
561-6804-855	466
561-6804-905	281
561-6804-921	184
561-6804-946	128
561-6805-190	184
561-6805-195	185
561-6805-240	283
561-6805-247	312
561-6805-294	152
561-6805-296	152
561-6805-302	181
561-6805-308	172A
561-6805-320	128
561-6805-322	129
561-6805-354	159
561-6805-415	397
561-6805-485	451
561-6805-486	312
561-6805-496	196
561-6805-670	280
561-6805-830	287
561-6806-027	6402
561-6806-028	6402
561-6806-254	181
561-6806-307	283
561-6806-386	263
561-6806-491	332
561-6812-037	3041
561-6901-000	100
561-6901-006	101
561-6901-007	101
561-6901-008	103
561-6901-010	127
561-6901-027	171
561-6901-036	283
561-6901-110	127
561-6901-241	211
561-6901-410	283
561-6901-411	385
561-6901-440	165
561-6901-473	193
561-6901-527	3042
561-6901-826	243
561-6901-850	175
561-6902-105	183
561-6902-521	184
561-6936-220	130
561-6940-150	128
561-6940-251	175
561-6940-322	286
561-6940-347	128
561-6940-632	152
561-6950-121	261
561-6951-001	243
561-6952-923	123A
561-6953-003	102A
561-6953-004	102A
561-6953-005	100
561-6953-006	160
561-6953-007	160
561-6953-009	121
561-6953-010	103A
561-6953-011	101
561-6953-020	123A
561-6953-021	124
561-6953-024	128
561-6953-025	129
561-6953-026	175
561-6953-041	152
561-6954-030	292
561-6954-099	107
561-6955-935	312
561-6956-373	127
561-6956-515	289A
561-6956-531	107
561-6956-534	159
561-6956-550	297
561-6956-553	172A
561-6956-555	159
561-6956-602	188
561-6956-651	189
561-6956-652	189
561-6956-740	265
561-6956-750	506
561-6956-942	186
561-6956-944	153
561-6956-945	332
561-6957-251	130
561-6958-405	189
561C(IC)	1079
562-1	109
562-1(RCA)	159
562-2302	159
562C(IC)	1050
562C1(IC)	1050
563-1(RCA)	159
563H(IC)	1081A*
563H1D369(IC)	1081A*
563H2(IC)	1081A*
564-1(RCA)	310
564-2(RCA)	308
564-5(RCA)	310
564-6(RCA)	308
564-7(RCA)	310
564-8(RCA)	308
564C(IC)	1088
565-072	128
565-074	123A
565-1	123AP
565-1(RCA)	123AP
566-1(MAG-IC)	4002B
566-21	128
566-30	123
566-60	311
566-61	123A
566-66	123A
566-73	159
566-74	129
566-77	123A
566-78	128
566-79	159
566-80	123A
566-81	159
566-83	123
566-84	123A
566-86	159
566-88	159
566-90	288
566-91	316
566-95	159
566-97	128
566-99	159
566H	1103
566H(IC)	1052
566H2(IC)	1052
566H-L	1052
566H-M	1052
566H-N	1052
567(SYL)	74LS247
567-0003-011	123A
567-03	159
567-04	287
567-07	123A
567-1(SYL)	74LS247
567-2(RCA)	184
567-4(RCA)	152
567-15	159
567-16	159
568(SYL)	7406
568-1(SYL)	7406
568-1(RCA)	229
568BLYC	336
568BLYCF	335
569-0320-809	941
569-0320-813	725
569-0320-814	9093
569-0320-815	9112§
569-0320-818	9936
569-0320-820	9946
569-0320-821	9962
569-0320-822	9946
569-0320-826	9936
569-0320-831	923D
569-0540-355	955M
569-0540-358	778A
569-0540-623	923D
569-0541-000	9660
569-0541-006	9663
569-0541-014	9667
569-0541-018	9668
569-0541-024	9672
569-0541-030	9675
569-0541-031	9676§
569-0541-036	9679
569-0541-037	9680
569-0541-038	9681
569-0541-041	9684
569-0541-042	9685
569-0541-043	9686
569-0542-744	974
569-0544-300	9930
569-0544-304	9932
569-0544-305	9933
569-0544-308	9936
569-0544-312	9935
569-0544-318	9944

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
569-0544-322	9946
569-0544-328	9099
569-0544-348	9962
569-0690-300	900
569-0690-301	912
569-0690-302	914
569-0690-318	904
569-0690-320	784
569-0690-321	784
569-0690-335	7858
569-0690-339	907
569-0690-352	727
569-0690-379	914
569-0690-381	916
569-0690-500	4001B
569-0690-501	4011B
569-0690-502	4013B
569-0690-548	4049
569-0690-549	4049
569-0690-550	4050B
569-0690-681	916
569-0693-017	4017B
569-0694-012	4012B
569-0694-016	4016B
569-0694-019	4019B
569-0694-023	4023B
569-0694-024	4024B
569-0694-027	4027B
569-0694-028	4028B
569-0694-029	4029B
569-0694-042	4042B
569-0694-051	4051B
569-0694-069	4069
569-0694-072	4072B
569-0694-073	4073B
569-0773-600	955M
569-0773-610	778A
569-0773-800	7400
569-0773-811	7411
569-0880-430	9930
569-0880-444	9944
569-0880-445	9945
569-0880-446	9946
569-0880-450	9950
569-0880-458	9158
569-0880-462	9962
569-0881-801	74H01
569-0881-804	74H04
569-0881-810	74H10
569-0881-811	74H11
569-0881-820	74H20
569-0881-821	74H21
569-0881-822	74H22
569-0881-830	74H30
569-0881-840	74H40
569-0881-850	74H50
569-0881-851	74H51
569-0881-852	74H52
569-0881-853	74H53
569-0881-855	74H55
569-0881-860	74H60
569-0881-874	74H74
569-0881-908	74H108
569-0882-600	7400
569-0882-601	7401
569-0882-602	7402
569-0882-603	7403
569-0882-604	7404
569-0882-605	7405
569-0882-606	7406
569-0882-607	7407
569-0882-608	7408
569-0882-609	7409
569-0882-610	7410
569-0882-612	7412
569-0882-613	7413
569-0882-614	7414
569-0882-616	7416
569-0882-617	7417
569-0882-620	7420
569-0882-625	7425
569-0882-627	7427
569-0882-630	7430
569-0882-632	7432
569-0882-633	7433
569-0882-637	7437
569-0882-638	7438
569-0882-640	7440
569-0882-641	7441
569-0882-642	7442
569-0882-647	7447
569-0882-650	7450
569-0882-651	7451
569-0882-653	7453
569-0882-654	7454
569-0882-660	7460
569-0882-672	7472
569-0882-673	7473
569-0882-674	7474
569-0882-675	7475
569-0882-676	7476
569-0882-680	7480
569-0882-682	7482
569-0882-685	7485
569-0882-686	7486
569-0882-689	7489
569-0882-690	7490
569-0882-692	7492
569-0882-693	7493A
569-0882-696	7496
569-0882-707	74107
569-0882-709	74109
569-0882-721	74121
569-0882-722	74122
569-0882-723	74123
569-0882-726	74126
569-0882-732	74132
569-0882-741	74141
569-0882-745	74145
569-0882-750	74150
569-0882-751	74151
569-0882-753	74153
569-0882-754	74154
569-0882-755	74155
569-0882-760	74160
569-0882-761	74161
569-0882-764	74164
569-0882-765	74165
569-0882-774	74174
569-0882-775	74175
569-0882-776	74176
569-0882-777	74177
569-0882-779	74179
569-0882-780	74180
569-0882-781	74181
569-0882-782	74182
569-0882-790	74190
569-0882-791	74191
569-0882-792	74192
569-0882-793	74193
569-0882-796	74196
569-0882-797	74197
569-0883-200	74S00
569-0883-203	74S03
569-0883-204	74S04
569-0883-205	74S05
569-0883-210	74S10
569-0883-211	74S11
569-0883-215	74S15
569-0883-220	74S20
569-0883-222	74S22
569-0883-240	74S40
569-0883-264	74S64
569-0883-265	74S65
569-0883-274	74S74
569-0883-312	74S112
569-0883-338	74S138
569-0883-340	74S140
569-0883-353	74S153
569-0883-357	74S157
569-0883-358	74S158
569-0883-374	74S174
569-0885-850	75450B
569-0885-853	75453B
569-0885-854	75452B
569-0886-031	719
569-0886-800	74LS74A
569-0964-001	909D
569-0964-002	975
569-0965-006	9812
569-1(RCA)	123AP
569-1(MAG-IC)	849
569-1(SYL)	120
569-2(SYL)	120
569-1000-020	5117A
569-2142-100	116
569-8800-090	152
569-9440-102	3050
570-004503	123A
570-005503	123A
570-1	159
570-1(SYL)	159
570-1(RCA)	159
570-1(MAG-IC)	701
570-1A(SYL)	159
570-2(SYL)	159
570-2(RCA)	159
570-2A(SYL)	159
570C(IC)	1086*
571-1(RCA)	123AP
571-844	130
571-844A	130
571C(IC)	1078§
572-0040-051	121
572-1(RCA)	123AP
572-3(RCA)	123AP
572-683	123A
573-469	123A
573-472	108
573-474	108
573-474A	108
573-475	108
573-479	123A
573-480	123A
573-481	123A
573-491	108
573-494	108
573-495	108
573-507	108
573-509	108
573-515	124
573-518	160
573-529	102A
573-532	128
574	159
574-1(RCA)	159
574-844	162
574J(IC)	147A
575-0004-035	190
575-028	116
575-042	116
575-048	116
575-050	116
575C(IC)	1140
575C2	1140
575C2(IC)	1140
576(RCA)	233
576-0001-002(Silicon)	159
576-0001-002(Sears)	102A
576-0001-002(Germanium)	102A
576-0001-003	102A
576-0001-004	123
576-0001-005	123
576-0001-006	108
576-0001-008	123A
576-0001-009	102A
576-0001-012	123A
576-0001-013	159
576-0001-014	102A
576-0001-018	123A
576-0002-001	241
576-0002-001(Sears)	152
576-0002-002	104
576-0002-003	130
576-0002-004	102A
576-0002-005	121
576-0002-006	123A
576-0002-008	159
576-0002-009	330
576-0002-010	330
576-0002-011	184
576-0002-012	102A
576-0002-013	103A
576-0002-021	54
576-0002-026	241
576-0002-027	123A
576-0002-029	241
576-0003-001	108
576-0003-002	108
576-0003-003	108
576-0003-004	108
576-0003-005	108
576-0003-006	108
576-0003-007	108
576-0003-008	126A
576-0003-009	126A
576-0003-010	160
576-0003-011	123A
576-0003-012	106
576-0003-013	126A
576-0003-014	126A
576-0003-015	126A
576-0003-017	159
576-0003-018	108
576-0003-019	159
576-0003-020	108
576-0003-021	108
576-0003-022	199
576-0003-023	161
576-0003-024	126A
576-0003-025	160
576-0003-026	161
576-0003-027	108
576-0003-028	108
576-0003-029	107
576-0003-050	288
576-0003-051	69
576-0003-053	123AP
576-0003-12(PNP)	159
576-0003-12(NPN)	123A
576-0003-224	222
576-0004-001	329
576-0004-004	329
576-0004-005	329
576-0004-006	329
576-0004-007	329
576-0004-008	311
576-0004-009	329
576-0004-02	128
576-0004-010	123A
576-0004-011	329
576-0004-012	329
576-0004-013	195A
576-0004-020	350
576-0004-035	190
576-0004-053	478
576-0004-055	362
576-0004-071	349
576-0004-072	349
576-0004-076	341
576-0004-085	361
576-0004-086	364
576-0004-087	365
576-0004-088	365
576-0004-104	329
576-0004-105	235
576-0005-001	6400B
576-0005-004	128
576-0006-003	312
576-0006-011	108
576-0006-013	312
576-0006-221	221
576-0006-222	222
576-0006-223	222
576-0006-227	222
576-0007-001	172A
576-001	102A
576-002-001	186
576-003-009	160
576-005	102A
576-0036-212	195A
576-0036-213	195A
576-0036-847	123
576-0036-913	195A
576-0036-916	123A
576-0036-917	123A
576-0036-918	108
576-0036-919	108
576-0036-920	123A
576-0036-921	123A
576-0040-051	121
576-0040-251	130
576-0040-253	102A
576-0040-254	121
576-1	233
576-1(SYL)	161
576-1(RCA)	233
576-2(SYL)	161
576-3	723
576-8	7493A
576-14	740A
576-2000-278	105
576-2000-990	126A
576-2000-993	126A
576-2001-970	105
576H	1185
577-1(RCA)	123AP
577-1(SYL)	161
577-2(SYL)	161
577-3(SYL)	161
577A	1082
577B196	5635
577H	1082
577H(IC)	1082
577N	1082
577R819H01	128
578-1(RCA)	102A
578-2303	159
578.2	5072A
579-1(RCA)	108
579R925H01	910
580-029	116
580R304H01	159
581-1(SYL)	123A
581B83-7	5697
582-1(SYL)	159
582-1A(SYL)	159
583-1(SYL)	222
584-1(SYL)	108
585-5(RCA)	230
585-6(RCA)	231
585-7(RCA)	230
585-8(RCA)	231
586-024	909
586-2	123AP
586-2(RCA)	123AP
586-151	9930
586-152	9936
586-153	9946
586-154	9099
586-155	9962
586-187	9945
586-294	7410
586-303	9932
586-308	9937
586-331	9806
586-412	9812
586-415	9157
586-425	9093
586-437	1171
586-442	9158
586-517	9804
586-528	9802
586-546	9800
586-547	9808
586-617	74154
586-780	9810
587-033	74170
588-2(RCA)	222
588-40-201	1100
588-40-202	1142
588-40-203	1087
588U	312
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592-032-1	OBS-NLA
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592-081-0	9914
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592-150V	1V150
592-250V	1V250
592-31312	1V130
592-31512	1V150
592-32512	1V250
592-61312	1V130
592-61512	1V150
592-62512	1V250
592A2	1195
592H2	1195
593-130V	1V130
593-150V	1V150
593-31312	1V130
593-31512	1V150
593-32512	1V250
593-61312	1V130
593-61512	1V150
593-62512	1V250
593D742-1	123A
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594-150V	2V150◆
594-250V	2V250◆
594-400V	2V480◆
594-61312	2V130◆
594-61512	2V150◆
594-62512	2V250◆
594-64612	2V480◆
595-1	123A
595-1(SYL)	123A
595-2	123A
595-2(SYL)	123A
595-3(SYL)	123A
595-130V	2V130
595-150V	2V150
595-250V	2V250
595-460V	2V480
595-61312	2V130
595-61512	2V150
595-62512	2V250
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607SA	129/400
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610-042-1	108
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610-043-1	102A
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610-043-3	102A
610-043-4	102A
610-043-6	102A
610-043-7	102A
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610-051-1	160
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610-053-2	160
610-055	160
610-055-1	160
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610-056-3	126A
610-056-4	126A
610-067	121
610-067-1	121
610-067-2	121
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610-070-2	123A
610-070-3	123A
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610-074-1	126A
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610-076-1	123A
610-076-2	123A
610-077	123A
610-077-1	123A
610-077-2	123A
610-077-3	123A
610-077-4	123A
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611-2H	B40480◆
611-3	B40240◆
611-4	B40240◆
611-4H	B40480◆
611-5	B40240◆
611-6	B40240◆
611-6H	B40480◆
611-7	B40240◆
611-8	B40240◆
611-8H	B40480◆
611-11	B40240◆
611-12	A40240◆
611-12H	A25480◆
611-13	A40240◆
611-14	A40240◆
611-14H	A25480◆
611-15	A40240◆
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617-63	123A
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617-65	161
617-66	116(2)
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617-68	123A
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617-117	152
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621-3	B40480◆
621-4	B40480◆
621-5	B40480◆
621-6	B40480◆
621-11	A25480◆
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652C0	136A
652C1	5011A
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652C6	5012A
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653-202	108
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690-1(SYL)	312
690B	400/128
690L-021H25	152
690L-021H26	153
690L270H02	121
690L297H01	160
690L297H02	121
690V02H69	108
690V010H40	161
690V010H41	108
690V010H42	126A
690V028H28	108
690V028H48	108
690V028H69	108
690V028H89	108
690V031H33	116
690V034H29	126A
690V034H30	102A
690V034H31	102A
690V034H32	109
690V034H39	102
690V034H74	109
690V037H92	120
690V038H22	156
690V038H23	113A
690V039H17	119
690V039H22	156
690V039H52	116
690V039H54	120
690V040H57	126A
690V040H58	126A
690V040H59	126A
690V040H60	126A
690V040H61	102
690V040H62	102
690V040H63	109
690V041H08	116
690V043H62	158
690V043H63	158
690V047H54	126A
690V047H55	126A
690V047H56	100
690V047H57	100
690V047H58	102
690V047H59	102A
690V047H60	102
690V047H61	109
690V047H97	123A
690V049H81	108
690V052H23	102
690V052H24	102
690V052H50	109
690V052H63	160
690V052H68	109
690V053H57	116
690V054H20	102A
690V054H21	102
690V056H27	160
690V056H29	160
690V056H30	160
690V056H31	160
690V056H32	160
690V056H33	102A
690V056H34	102A
690V056H89	126A
690V056H90	102
690V057H25	160
690V057H27	102
690V057H28	102
690V057H59	126A
690V057H62	126A
690V059H20	102A
690V059H21	158
690V059H52	102A
690V059H55	102A
690V059H63	109
690V060H58	108
690V060H59	108
690V061H98	102
690V061H99	102
690V062H47	102A
690V063H14	126A
690V063H15	126A
690V063H16	102
690V063H17	102
690V063H50	102A
690V063H51	102
690V066H44	126A
690V066H45	126A
690V066H46	102
690V066H47	102
690V066H48	109
690V066H49	126A
690V066H89	160
690V067H09	109
690V067H35	103A
690V068H29	126A
690V068H30	102
690V068H31	102
690V068H32	109
690V069H39	116
690V070H49	108
690V070H98	108
690V073H59	126A
690V073H60	109
690V073H85	126A
690V075H62	128
690V075H68	108
690V077H34	126A
690V077H35	126A
690V077H36	126A
690V077H37	102
690V077H73	102A
690V080H36	161
690V080H37	126A
690V080H38	154
690V080H39	102
690V080H40	126A
690V080H41	123
690V080H42	127
690V080H43	127
690V080H44	102
690V080H45	163A
690V080H47	116
690V080H49	506
690V080H50	506
690V080H51	506
690V080H52	116
690V080H53	167
690V080H54	156
690V080H91	116
690V081H07	108
690V081H08	160
690V081H09	121
690V081H40	166
690V081H91	506
690V081H92	145A
690V081H96	103A
690V081H97	104
690V082H47	158
690V083H89	109
690V084H60	126A
690V084H61	102A
690V084H62	123A
690V084H63	102A
690V084H94	108
690V084H95	108
690V084H96	108
690V085	158
690V085H42	126A
690V085H44	158
690V086H39	102
690V086H51	123A
690V086H52	108
690V086H86	159
690V086H87	108
690V086H88	123A
690V086H89	129
690V086H90	128
690V086H91	116
690V086H92	116
690V086H94	161
690V086H95	161
690V086H96	108
690V088H20	177
690V088H44	108
690V088H45	108
690V088H46	107
690V088H47	107
690V088H48	108
690V088H49	107
690V088H50	123A
690V088H51	123A
690V088H52	102A
690V089H46	107
690V089H86	107
690V089H89	123A
690V089H90	102A
690V089H91	116
690V092H52	123A
690V092H54	123A
690V092H81	123A
690V092H84	123A
690V092H85	109
690V092H88	117A
690V092H96	123A
690V092H97	123A
690V094H17	130
690V094H18	102A
690V094H19	102A
690V094H20	102A
690V094H21	123A
690V094H35	116
690V097H59	102A
690V097H62	123A
690V098H48	123A
690V098H49	123A
690V098H50	123A
690V098H51	131
690V098H52	109
690V098H53	116
690V099H59	158
690V099H79	123A
690V0103H27	123A
690V38H25	358
690V68H32	109
690V73H60	109
690V102H39	103A
690V102H40	177
690V102H71	123A
690V102H96	126A
690V103H23	108
690V103H24	108
690V103H25	108
690V103H26	108
690V103H27	108
690V103H28	107
690V103H30	128
690V103H31	123A
690V103H33	123A
690V103H53	142A
690V103H54	109
690V104H53	102A
690V104H54	102A
690V105H32	139A
690V109H44	116
690V109H46	107
690V110H30	108
690V110H31	108
690V110H32	108
690V110H33	108
690V110H34	128
690V110H36	128
690V110H55	129
690V114H29	108
690V114H30	123A
690V114H31	108
690V114H33	123A
690V114H36	116
690V116H19	108
690V116H20	107
690V116H21	123A
690V116H22	312
690V116H23	159
690V116H24	128
690V116H25	185
690V116H26	184
690V116H40	142A
690V116H41	116
690V118H57	177
690V118H58	116
690V118H59	108
690V118H60	159
690V118H61	159
690V118H62	102A
690V119H14	116
690V119H15	177
690V119H54	158
690V119H94	126A
690V119H95	160
690V119H96	160
690V119H97	160
690VO37H91	109
691C844	128
692-0014-00	OBS-NLA
692-0016-00	9924§
692-0020-00	9989
692-1(SYL)	312
692-2(SYL)	312
692-2(REGENCY)	479
693-1(SYL-IC)	848§
693EP	123A
693FS	123A
693G	123A
693GT	123A
693GV	199
694-1(RCA)	222
694D	123A
694E	123A
695-1(REGENCY)	350
695-3(REGENCY)	351
695-5(REGENCY)	349
695-11(REGENCY)	345
695P2(GE)	339
696-1(REGENCY)	479
696-1A	479
696-3(SYL)	152
696-3(REGENCY)	479
696-4(GN)	473
696-4(REGENCY)	473
696-5	346
696-5(REGENCY)	346
696-6(REGENCY)	346
696-7	486
696-7(REGENCY)	486
696-8	341
696-8(REGENCY)	341
698-3(REGENCY)	365
698-4(REGENCY)	367
699	123A
699(Zenith)	159
700-04	312
700-110	128
700-113	130
700-133	159
700-134	123AP
700-135	123AP
700-136	129
700-137	116
700-154	85
700-155	199
700-156	123AP
700-157	289A
700-159	139A
700-244	384
700-321	177
700-325	85
700-848A	908

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
700A858-285	116
700A858-286	116
700A-858-318	199
700A858-318	123A
700A858-319	199
700A858-322	177
700A-858-328	199
700A858-328	123A
700PK50	5598
700PK60	5598
700PK80	5599
700PK100	5599
700PK120	5599
702-0002	107
702-0140	542
702-0148	542
702-810	113A
703-1	128
703-2	128
703 056 (4)	123A
703B	128
703HC	703
705-1(SYL-IC)	4011B
705-600007	5633
706-1(SYL)	331
706Bc	OBS-NLA
706BC	OBS-NLA
706BPC	OBS-NLA
706BPc	OBS-NLA
707	241
707-1(SYL)	332
707W00004	109
707W00044	116
707W00048	5651
707W00057	123A
707W00070	123A
707W00071	140A
707W00073	5401
707W00079	159
707W00080	159
707W00081	123A
707W00083	123A
707W00084	6402
707W00086	5009A
707W00087	5014A
707W00090	184
707W00091	157
707W00093	152
707W00104	5004A
707W00107	5007A
707W00109	5009A
707W00110	5010A
707W00114	5014A
707W00116	5016A
707W00119	5019A
707W00155	5066A
707W00159	5069A
707W00160	135A
707W00161	136A
707W00163	137A
707W00168	139A
707W00169	140A
707W00170	5074A
707W00177	5077A
707W00179	5079A
707W00183	146A
707W00201	123A
707W00204	154
707W00205	5011A
707W00207	5103A
707W00215	116
707W00218	172A
707W00222	159
707W00227	5453
707W00243	5454
707W00244	5454
707W00255	116
707W00259	116
707W00265	177
707W00266	159
707W00270	162
707W00272	194
707W00273	519
707W00274	5801
707W00317	159
707W00322	5454
707W00345	5402
707W00347	109
707W00380	184
707W00401	5071A
707W00402	5133A
707W00404	5081A
707W00405	5077A
707W00410	5129A
707W00411	137A
707W00412	5090A
707W00413	5096A
707W00414	5157A
707W00415	5158A
707W00416	5122A
707W00521	189
707W00550	123A
707W00590	137A
707W00640	116
707W00641	116
707W00642	116
707W00643	116
707W00644	116
707W00645	125
707W00646	125
707W17701	365
707Y(Korea)	159
708-1(SYL)	284
709-2(REGENCY)	350F
709-3(REGENCY)	320F
709-4(REGENCY)	333
709CJ	909D
709CL	909
709CN	909D
709DC	909D
709HC	909
709PC	909D
710	116
710CE	910
710CJ	910D
710CL	910
710CN	910D
710DC	910D
710HC	910
710PC	910D
711-001	390
711CE	911
711CJ	911D
711CL	911
711CN	911D
711DC	911D
711HC	911
711PC	911D
714-22826-19	5196AK
714-25566-61	123A
715EN	123A
715FB	107
715HC	915
716HC	716
719-1(RCA)	2040
720-2N1302	101
720-2N1305	102
720-2N1371	102
720-2N1637	126A
720-2N2147	121
720-2N2895	128
720-2N2923	199
720-2N3440	396
720-2N3645	129
720-2N3904	123AP
720-2N3906	159
720-2N4221	102A
720-4-01	330
720-4-02	330
720-10	130MP
720-18	159
720-19	175
720-21	312
720-23	284
720-24	242
720-27	188
720-30	199
720-31	130
720-32	152
720-33	152
720-35	159
720-37	128
720-41	326
720-44	6401
720-46	289A
720-47	123A
720-48	159
720-49	199
720-50	159
720-51	123A
720-52	292
720-61	186
720-62	187
720-64	129
720-69	172A
720-70	6401
720-71	183
720-74	157
720-35019	102
720-35019A	102A
720Dc	744
720PC	744
720SDC	744
720SPC	744
723-09	6402
723DC	923D
723HC	923
723HM	923D
723PC	923D
725-008	726
725EHC	925
725HC	925
729-3	128
729DC	720
729PC	720
731-512AA	2054
732-1(SYL-IC)	960
732DC	718
732PC	718
733-0100-699	187
733-1(RCA)	4011B
733-1(SYL)	159
733-2(RF PWR)	351
733-2(REGENCY)	345
733-4(REGENCY)	345
733AR(Trans)	290A
733DC	927D
733HC	927
733PC	927D
733W00005	9109
733W00021	941M
733W00022	74141
733W00024	9930
733W00025	9932
733W00026	9933
733W00027	9936
733W00028	9946
733W00029	9962
733W00030	9093
733W00032	91125
733W00035	941D
733W00039	7490
733W00042	7400
733W00043	7420
733W00045	7407
733W00047	9094
733W00048	9937
733W00049	9949
733W00050	9963
733W00051	9961
733W00053	7442
733W00059	309K
733W00060	9937
733W00061	9935
733W00064	7404
733W00065	7410
733W00066	7437
733W00067	7474
733W00068	7486
733W00069	7476
733W00070	9808
733W00074	8316
733W00076	74193
733W00091	9806
733W00094	9157
733W00097	9157
733W00103	74107
733W00107	8314
733W00108	9807
733W00109	74161
733W00121	7411
733W00124	7408
733W00126	7432
733W00127	7438
733W00128	7426
733W00132	7482
733W00133	7493A
733W00134	74121
733W00135	74164
733W00137	923D
733W00139	955M
733W00163	74151
733W00183	74150
733W00191	74155
733W00211	4011B
733W00215	4015B
733W00317	74H74
733W00320	74H11
733W00323	74153
733W00332	74H51
733W00333	74H40
733W00347	8374
733W00350	74182
733W01628	2014
734-1(RCA)	4013B
734-1(SYL-IC)	1413
734EU	312
735-1(SYL)	121
735-1(SYL-Zener)	5134A
735-2(SYL-Zener)	5130A
735-3(SYL-Zener)	5116A
735-4(SYL-Zener)	5127A
735-5(SYL-Zener)	5116A
735-7(SYL-Zener)	5135A
735-9(SYL-Zener)	5116A
735-10(SYL-Zener)	5127A
735-339	561
737(ZENITH)	123A
738-1(SYL)	280
739-1	121MP
739-1(SYL)	121MP
739DC	725
739H01	123A
739PC	725
740-1003-150	1021
740-2001-110	1014
740-2001-306	1029
740-2001-307	722
740-2002-111	708
740-2003-150	1021
740-2007-120	1087
740-5853-300	1005
740-5903-301	1006
740-8120-160	1005
740-8160-190	1003
740-9000-017	1047
740-9000-544	1142
740-9000-554	1142
740-9000-566	1052
740-9003-301	1006
740-9007-046	1108
740-9007-205	1155
740-9011-322	1037
740-9016-105	720
740-9017-092	1023
740-9037-120	1087
740-9037-204	1153
740-9607-205	1155
740HC	940§
741(VISCOUNT)	941
741-1	121MP
741-1(SYL)	121MP
741-2(SYL)	121MP
741CJ	941D
741CN	941D
741CP	941M
741DC	941D
741HC	941
741PC	941D
741TC	941M
742	109
742(TRANSISTOR)	107
742-1	188
742-1(METAL)(SYL)	401/128
742-1(Plastic)(SYL)	188
742C2030-020	130
744-1(SYL)	108
745-0004	3051
745-0006	3050
745-0014	3061
745-0016	3056
745-293-2	593
745-295-2	592
745-1042-1	2410
745-1124-1	2411
745-1170	2341
745-1175	2350
745-1181	2342
745-2741-1	2427
745-2742-1	2428
745-4691-2	596
745-5962-1	2412
745-5963-1	2413
745-8555	955MC
745-8556	978C
746HC	707
746PC	790
747CE	947
747CL	947
747DC	947D
747HC	947
747PC	947D
748(ZENITH)	123A
748BE	1171
748CE	1171
748CV	975
748HC	1171
749	949
749(Bendix)	949
749-8160-190	1003
749DHC	949
750-045	175
750-137	102
750-138	102
750-139	102
750-140	102
750-141	116
750-35019	102A
750A858-285	116
750A858-328	199
750A858-448	152
750C838-123	123A
750C838-124	123A
750C838-125	123A
750C871-1	HiDiv-1
750C871-2	HiDiv-1
750C871-3	HiDiv-1
750C871-4	HiDiv-1
750C871-5	HiDiv-1
750C871-6	HiDiv-1
750C871-7	HiDiv-1
750C871-8	HiDiv-1
750D858-211	125
750D858-212	123A
750D858-213	108
750M63-104	160
750M63-105	158
750M63-115	102A
750M63-116	160
750M63-117	160
750M63-119	123A
750M63-120	123A
750M63-121	103A + 102A(CP)
750M63-122	103A + 102A(CP)
750M63-146	123A
750M63-147	158
750M63-148	158
750M63-149	116
751-2001-212	116
751-6300-001	116
751-9001-124	116
752A	OBS-NLA
753-0100-699	187
753-0101-047	108
753-0101-226	186
753-1104-951	159
753-1303-801	229
753-1372-100	123A
753-1644-100	199
753-1828-001	123A
753-2000-003	123A
753-2000-004	123A
753-2000-006	175
753-2000-007	229
753-2000-008	123A
753-2000-009	123A
753-2000-011	123A
753-2000-100	199
753-2000-101	159
753-2000-107	128
753-2000-460	107
753-2000-463	131MP
753-2000-535	229
753-2000-710	108
753-2000-711	123A
753-2000-735	123A
753-2000-870	123A
753-2000-871	123A
753-2001-173	152
753-2100-001	123A
753-2100-002	131
753-2100-008	123A
753-3000-535	229
753-4000-010	199
753-4000-011	123A
753-4000-024	312
753-4000-025	312
753-4000-101	123A
753-4000-537	123A
753-4000-668	107
753-4000-929	107
753-4001-474	131
753-4001-931	184
753-4001-932	152
753-4004-248	159
753-5751-359	107
753-5851-359	107
753-6000-002	199
753-6000-019	312
753-8400-230	199
753-8500-380	199
753-8510-470	128
753-9000-019	312
753-9000-096	186
753-9000-839	199
753-9000-922	107
753-9001-674	229
753-9001-675	229
753-9010-021	6400B
753-9010-235	152
753-9020-784	229
753-9050-785	229
753-5751359	229
753Tc	736
753TC	736
754-0102-139	611
754-1(RCA)	987
754-900-124	116
754-1003-030	110MP
754-2000-001	177
754-2000-002	116
754-2000-005	116
754-2000-009	109
754-2000-011	177
754-2009-150	177
754-2509-150	177
754-2720-007	138A
754-2720-021	177
754-4000-088	109
754-4000-188	109
754-4000-410	109
754-4000-553	612
754-5000-021	116
754-5710-219	5072A
754-5750-282	5072A
754-5750-283	177
754-5750-284	116
754-5850-284	5072A
754-5853-300	1005
754-5900-090	109
754-8500-380	5072A
754-9000-002	116
754-9000-082	5072A
754-9000-460	109
754-9000-473	519
754-9000-953	116
754-9001-124	116
754-9002-687	614
754-9030-009	5073A
754-9052-473	519
754-9053-090	139A
755-422494	159
755-845049	519
756	116
758DC	743
758Dc	743
758PC	743
758Pc	743
760-070	1276
760-AR6011	1276
762-1(RCA)	230
762-2	231
762-2(RCA)	231
762-105-00	129
762-110	234
762-120	129
763-1	128
764-1(SYL-IC)	822
764-2(SYL-IC)	822
764-122-640	186
766-100999	390
767(ZENITH)	123A
767CL	123A
767DC	722
767PC	722
768	5521
769-1(SYL)	123A
770-045	152
770-1(SYL-IC)	973D
772-000-870	580
772-101-00	199
772-110	123A
772-120-00	128
772-121-00	128
772A	107
772B	107
772B1	107
772BJ	107
772BL	107
772BM	107
772BN	107
772BY	107
772C	107
772CC	107
772D	107
772D1	107
772DC	107
772DG	107
772E	107
772EH	107
772F	107
772FE	107
772G	107
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774(ZENITH)	159
774CL	129
774ORN	108
775-1(SYLVANIA)	172A
775-1(MAG-IC)	965
775-1(SYL)	172A
775-2(SYL)	410/172A
775-3(SYL)	410/172A
775BRN	108
776-1	159
776-1(SYL)	159
776-1(Sylvania)	159
776-1A(SYL)	159
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776-2(SYL)	159
776-2(Philco)	123A
776-3	159
776-3(SYL)	159
776-151	123A
776-183	123A
776GRN	123A
776Y	224
777-1(SYL)	552
777-1A(SYL)	121MP
777-1B(SYL)	121MP
777-1C(SYL)	121MP
777-1D(SYL)	121MP
777-2	552
777-2(SYL)	552
778-1(SYL)	121MP
778-1(RCA)	56008
778-1A(SYL)	121MP
778-1B(SYL)	121MP
778-1C(SYL)	121MP
778-1D(SYL)	121MP
778-2(RCA)	56008
778-3(SYL)	500A
779BLU	108
780-1(RCA)	5351
780DC	714
780PC	714
780WHT	123A
781-2(RCA)	5401
781-4(RCA)	5424
781DC	715
781PC	715
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783RED	108
784ORN	108
785-1(SYL)	102A
785YEL	123A
786	108
787BLU	108
787PC	797
790-1(RCA)	5425
791	123A
792-1(SYL)	102A
792-238	116
792-286	102
792-287	102
792-288	102
792-289	102
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792-414	552
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796-1(RCA)	477
800-000-025	500A
800-0004-PO90	724
800-001-031-1	159
800-001-034	123A
800-001-106-1	128
800-002-00	110MP
800-003-00	109
800-003-07	103A + 158(CP)
800-004-00	142A
800-005-00	109
800-006-00	116
800-007-00	113A
800-008-00	120
800-0016(IC)	7416
800-010-00	156
800-011-00	119
800-012-00	118
800-013-00	116
800-014-00	116
800-014-01	116
800-016-00	177
800-017-00	116(4)
800-018-00	156
800-018-02	156
800-020-00	109
800-021-00	177
800-022-00	109
800-023-00	142A
800-024-00	116
800-028-00	5075A
800-029-30	506
800-030-00	5071A
800-032-00	116
800-034-00	5120A
800-035-00	142A
800-036-00	177
800-037-00	156
800-038-00	116
800-039-00	109
800-040-00	177
800-041-00	116
800-042-00	177
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800-045-00	5414
800-046-00	116
800-050-00	156
800-051-00	156
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800-101-101-2	128
800-101-102-1	123A
800-101-108-1	159
800-101-114-1	129
800-102-001	519
800-102-101-1	519
800-122	124
800-158	124
800-172	124
800-180	124
800-181	124
800-196	104MP
800-203	124
800-204	124
800-205	156
800-208	103A + 102A(CP)
800-219	103A + 102A(CP)
800-245	129 + 128(CP)
800-250-102	123
800-253	121MP
800-256(Metal)	124
800-256(Plastic)	157
800-270	185 + 184(CP)
800-282	506
800-284	129
800-289	185 + 184(CP)
800-294	129 + 128(CP)
800-305	129 + 128(CP)
800-310	103A + 158(CP)
800-315	129 + 128(CP)
800-321	124
800-328	129 + 128(CP)
800-329	104
800-362	153 + 152(CP)
800-366	153 + 152(CP)
800-401	124
800-501-00	123A
800-501-01	123A
800-501-02	123A
800-501-03	123A
800-501-04	123A
800-501-11	123A
800-501-22	123A
800-502-00	102A
800-503-00	103A + 158(CP)
800-504-00	160
800-505-00	102A
800-506-00	103A
800-507-00	121
800-508-00	123A
800-509-00	123A
800-510-00	130
800-510-01	130
800-511-00	129
800-512-00	128
800-513-00	128
800-514-00	123A
800-515-00	128
800-516-00	129
800-517-00	109
800-518-00	121
800-521-01	123A
800-521-02	128
800-521-02(Penncrest)	188
800-521-03	128
800-522-01	123A
800-522-02	123A
800-522-02(Penncrest)	188
800-522-03	128
800-522-04	123A
800-523-01	159
800-523-02	159
800-523-02(Penncrest)	189
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800-524-02A	130
800-524-03	130
800-524-03A	130
800-524-04A	130
800-525-03	129
800-525-04	159
800-525-04A	130
800-526-00	123A
800-527-00	159
800-528	103A
800-528-00	103A
800-529-00	123A
800-530-00	123A
800-530-01	123A
800-533-00	152
800-533-01	184
800-534-00	123A
800-534-01	123A
800-535-00	312
800-535-01	312
800-536-00	108
800-537-01	103A
800-537-02	130MP
800-537-03	158
800-538-00	123A
800-544-00	123A
800-544-00(U.J.T.)	6400B
800-544-10	123A
800-544-20	123A
800-544-30	123A
800-546-00	152
800-547-00	159
800-548-00	123A
800-550-00	162
800-550-10	163A
800-552-00	191
800-557-00	161
800-616	HiDiv-3

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To Be Replaced	ECG Replacement
800-669B	129 +128(CP)
800-670B	298 +297(CP)
800-672	294 +293(CP)
800-764	165
800-791	521
800-818	287 +288(CP)
800-820	103A +102A(CP)
800-50100	123A
800-50300	103A
800-50400	160
800-50500	126A
800-50600	103A
800-50700	121
800-51500	123A
800-51600	129
800-52102	123A
800-52202	123A
800-52302	123A
800-52402	130
800-52600	123A
800-52700	129
800-52800	103A
800-53001	123
800-53300	128
800-53400	123A
800-53600	108
800-53702	130MP
800HB1U	5346
800HB2U	5346
800HB3U	5346
800HB4U	5346
800HB6U	5346
801-04900	126A
801-05200	126A
801-05300	126A
801B	123A
801PD60B	6113
801PD80B	6115
801PD100B	6115
801PD120B	6115
801PDB60B	6113
801PDB80B	6115
801PDB100B	6115
801PDB120	6115
801PDB120B	6115
802-0027(IC)	74LS27
802-0038(IC)	74LS38
802-0266(IC)	74LS266
802-05400	102A
802-05600	102A
802-22631U	102A
802-36400	102A
802-36430	102A
802-43900	102A
803-0073(IC)	4073B
803-1(RCA)	4081B
803-18250	123A
803-37390	123A
803-38030	108
803-38040	108
803-39430	108
803-39440	108
803-83840	108
803-83930	108
803-83940	123A
803-89910	123A
803-89930	123A
804	123A
804-1(SYL)	123A
804-3(REGENCY)	361
804-14120	130
804-14130	130
804-21980	123A
804A765-2	5809
805-1(SYL)	102
805-1060	109
805-10600	109
806-1(SYL)	121
807-1(Philco)	194
807-1(SYL)	194
807-2(SYL-T0-92)	123AP
807-2(SYL)	123A
808-1(SYL)	161
808-2(SYL)	161
808-206	116
808-304	102A
808-305	102A
808-306	102A
808-307	102A
808-308	102A
808-309	103A
808-310	102A
808-311	102A
808-312	109
809-1(SYL)	154
809-10	5069A
809-13	147A
809-19	134A
809-20	5072A
809-27	140A
809-29	5010A
809-32	5079A
809-38	5068A
809-51	5074A
809-72	5068A
809-74	136A
809-80	134A
809-334B	123AP
810	788
810-1(SYL)	108
812-1(SYL-LED)	3017
814-834-6066	389
815-003	5527
815-1(SYL-IC)	865
815-181D	102
815-1810	102A
816-2(SYL-IC)	866
817-1(SYL-IC)	2203
817-275	175
818-1(SYL)	507
818WHT	123A
819(Zenith)	194
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822-1	116
822-1(SYL)	319P
822-1(Sylvania)	161
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822-3	116
822-4	116
822-5	116
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822A	123A
822ABLU	123A
822B	123A
823B	123A
823WHT	123A
824-09501	123A
824-1(Last IF)(SYL)	233
824-1(SYLVANIA)	161
824-1(SYL)	319P
824-2(SYL)	319P
824-3(SYL)	319P
824-10300	129
826-03	5214A
826-04	5191A
826-06	5202A
826-08	5188AK
826-1	159
826-1(SYL)	159
826-1A(SYL)	159
826-2	159
826-2(SYL)	159
826-2A(SYL)	159
826-3(SYL)	159
826-3A(SYL)	159
826-10	5197AK
826-11	5204A
826-16	5196A
826-19	5198AK
826-22	5204AK
826-23	5181A
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827BRN	123A
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831-024	5000A
831-033	5066A
831-051	5010A
831-062	137A
831-066	137A
831-124	142A
831-740B	123AP
831A-3	F1A005%
831A-5	F1A012%
831A-7	F1A024%
831C-1	F1C005
831C-3	F1C012
831C-5	F1C024
832A-1	F2A005%
832A-3	F2A012%
832A-5	F2A024%
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834-250-011	152
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836-1(SYL)	102
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840-0300-577	1082
840-0301-020	1160
840-2(SYL)	123A
841-1(SYL)	108
842-1(SYL)	123A
845-1(RCA)	346
846-1(RCA)	347
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850(5MM-MOV)	1V050
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850PK80	5599
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853-0300-643	193
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865-1(SYL)	123A
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867-1(SYL-Diode)	177
867-2(SYL)	177
868-1(SYL)	506
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879-3(SYL)	145A
879-4(SYL)	138A
879-6(SYL)	5079A
879-7(SYL)	5079A
880-101-00	703
880-102-00	726
880-103-00	9914
880-207-000	116
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880-250-107	129
880-250-108	123A
880-250-109	123A
881-250-102	123A
881-250-107	129
881-250-108	123A
881-250-109	123A
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884-250-010	121
884-250-011	184
886-1(SYL)	126A
887-1(SYL)	126A
888-3(SYL)	102
889-1(SYL)	126A
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901-000-6-51	102A
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901-0511	5869
901-1(SYL)	5814
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901-5188-7	109
901-5553-7	612
902-000-2-04	199
902-000-8-04	289A
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902-002-3-06	199
902-003-0-12	229
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902-003-6-06	199
903-00327	109
903-00347	125
903-00350	177
903-00364	142A
903-00379	156
903-00381	5812
903-00382	116
903-00383	144A
903-00384	177
903-00390	109
903-00391	610
903-00392	109
903-00393	177
903-00394	116
903-00407	109
903-00408	109
903-00409	610
903-00410	116
903-00418	109
903-00419	109
903-00428	116
903-00429	116
903-00430	177
903-00464	605A
903-3	123A
903-3G	123A
903-8B	110MP
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903-13B	117A
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903-17C	156
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903-36F	125
903-37	109
903-37B	109
903-41B	177
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903-48B	177
903-49B	116
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903-72B	177
903-73B	5022A
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903-84B	177
903-92B	109
903-95B	177
903-96B	614
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903-99B	614
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903-110B	611
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903-114B	109
903-115B	109
903-116B	177
903-117B	116
903-118	177
903-118B	177
903-119B	139A
903-120B	136A
903-121	177
903-121B	177
903-136B	177
903-137	610
903-137B	614
903-141B	614
903-153B	601
903-154B	116
903-156B	116
903-164B	116
903-166B	5071A
903-167B	110MP
903-168B	109
903-169B	116
903-171B	614
903-172B	612
903-173B	109
903-177B	177
903-178	177
903-179	139A
903-180	5071A
903-197	116
903-199	116(2)
903-208	5304
903-212	109
903-301	613
903-303	552
903-311	177
903-330	116
903-332	177
903-333	136A
903-334	156
903-335	5071A
903-337	140A
903-339	519
903-341	109
903-344	5081A
903-347	116
903-348	156
903-349	109
903-350	109
903-355	109
903-356	156
903-357	5023A
903-364	142A
903-384	519
903-397	177
903-407	109
903-410	519
903-412	156
903-415	109
903-420	143A
903-426	116
903-427	143A
903-435	110MP
903-436	519
903-438	116
903-439	519
903-442	519
903-443	5015A
903-448	5013A
903-449	5020A
903-450	116
903-451	156
903-453	5014A
903-456	5022A
903-457	116
903-458	5023A
903-463	177
903-479	5022A
903-480	5007A
903-481	5010A
903-483	615A
903-486	519
903-487	5015A
903-493	610
903-497	5009A
903-498	5012A
903-499	5018A
903-507	109
903-508	177
903-509	5018A
903-510	558
903-511	5100A
903-512	558
903-513	5010A
903-515	110MP
903-517	116(2)
903-518	519
903-528	519
903-556	109
903-557	519
903-558	613
903-559	5070A
903-560	5070A
903-561	5800
903-562	116
903-1017	591
903-1718	614
903HC	9903
903Y00212	117A
903Y00228	139A
903Y002149	123A
903Y002150	199
903Y002151	187
903Y002152	186
904-95	123A
904-95A	123A
904-95B	199
904-96B	123A
904-97B	109
904HC	9904
905-00066	2060
905-00101	1582
905-00107	1601
905-00108	1599
905-00114	1598
905-00115	1590
905-00116	1588
905-00124	1603
905-00135	1226
905-00143	788
905-00155	1214
905-00160	743
905-00161	2060
905-00672	1714S
905-1(SYL-Diode)	615A
905-5	1024
905-13B	1054
905-24B	722
905-27	804
905-28	804
905-30B	1003
905-38B	722
905-39B	1075A
905-46B	722
905-60	1003
905-61	1115
905-63	743
905-102	7490
905-103	1586
905-105	1004
905-106	1308
905-111	1592
905-112	1584
905-120	788
905-121	1217
905-125	4001B
905-126	4011B
905-128	2001
905-131	2004
905-135	801
905-139	1219
905-141	801
905-143	788
905-144	1219
905-168	1226
905-178	1214
905-186	4013B
905-189	1306
905-190	615A
905-191	1004
905-198	1581
905-200	4027B
905-201	1087
905-204	2060
905-210	2060
905-217	1409
905-218	4029B
905-219	977
905-220	4081B
905-221	2079
905-223	1308
905-225	788
905-229	2003
905-233	74C04
905-234	1308
905-238	929
905-239	937M
905-241	4528B
905-242	966
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905-244	1115A
905-255	778A
905-256	955S
905-260	4069
905-262	4520B
905-267	977
905-268	4081B
905-298	1294
905-301	2060
905-352	1714S
905-427	1729
905-572	1705
905-672	1714S
905-1058	1744
905HC	9905
906HC	9906
907HC	9907
908D1	109
908HC	9908
909(RCA)	107
909-27125-140	123A
909-27125-160	107
909HC	9909
910HC	9910
910X1	158
910X2	158
910X3	102A
910X4	102A
910X5	102A
910X6	102A
910X7	158
910X8	158
910X9	158
910X10	158
911-000-1-00	1036
911-000-3-02	1055
911HC	9911
912-1A6A	123A
912HC	9912
913HC	9913
914(Diode)	519
914-000-2-00	177
914-000-4-00	109
914-000-6-00	177
914-000-7-00	612
914-001-1-00	177
914-001-7-00	110MP
914A-1-6-5	121
914F298-1	128
914HC	9914
915HC	9915
916-1(SYL)	123A
916-31001-1	102A
916-31001-1B	102A
916-31001-7B	102A
916-31003-5B	102A
916-31007-5	102A
916-31007-5B	102A
916-31012-6	102A
916-31012-6B	102A
916-31019-3	126A
916-31019-3B	126A
916-31024-3	123A
916-31024-3B	107
916-31024-5	107
916-31024-5B	108
916-31025-4	161
916-31025-4B	161
916-31025-5	123A
916-31025-5B	107
916-31026-8B	123A
916-31026-9B	102A
916-32000-7	109
916-32003-2	109
916-32006-2	109
916-33003-2	116(4)
917-2(SYL)	552
917-1201-0	1003
918-1(SYL)	130
919-001172	177
919-001172-1	177
919-001445	137A
919-00-1445	136A
919-00-1445-002	142A
919-001445-1	137A
919-00-1445-1	138A
919-001445-2	142A
919-00-1445-2	142A
919-001445-3	5084A
919-001449	5802
919-00-1449-1	156
919-001449-1	5802
919-001449-3	5802
919-002240	5802
919-002240-1	5802
919-002440	156
919-00-2440-1	116
919-002440-1	156
919-00-2440-2	116
919-002440-2	5804
919-003309	5079A
919-00-3309-1	5079A
919-003309-1	5077A
919-003309-2	142A
919-00-3309-2	5127A
919-003309-3	5075A
919-00-3309-3	5131A
919-003309-4	138A
919-003309-5	5080A
919-00-4326	177
919-004326	177
919-00-4799	177
919-004799	116
919-004799-050	177
919-005045	5802
919-00-5045	117A
919-00-7109	117A
919-007109	116
919-007109RA	116
919-007394	116
919-00-7394	177
919-00-7766	116
919-00-7776	116
919-007776	5801
919-007776RA	117A
919-008862	5802
919-009459RA	116
919-00-9929	177
919-01-0459	116
919-01-0623	116
919-01-0829	117A
919-01-0829-1	117A
919-01-0867	109
919-01-0873	177
919-01-1172-1	177
919-01-1211	116
919-01-1212	116
919-01-1213	139A
919-01-1214	5072A
919-01-1215	177
919-01-1307	177
919-01-1339	117A
919-01-1340	5127A
919-01-3035	139A
919-01-3058	135A
919-01-3072	177
919-010454	519(2)
919-010454-1	519(3)
919-010454-2	519(4)
919-010459	5802
919-010623	5802
919-010623-001	5802
919-010623-002	5802
919-010829	5801
919-010829-1	5802
919-010867	109
919-010873	177
919-010873-050	519
919-011210	5962
919-011211	5801
919-011212	116
919-011213	5185A
919-011214	5189A
919-011215	177
919-011307	177
919-011339	156
919-011340	5188A
919-012414	116
919-013035	5185A
919-013036	5801
919-013044	116
919-013053	177
919-013058	142A
919-013059	177
919-013060	177
919-013061	156
919-013067	177
919-013072	116
919-013079	156
919-013081	177
919-013082	177
919-013172	177
919-013597	5189A
919-013677	116
919-013732	142A
919-013979	116(4)
919-015618-1	5079A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
919-015618-2	5080A
919-017406-001	5122A
919-017406-002	5120A
919-017406-003	5133A
919-017406-004	5137A
919-017406-005	5125A
919-017406-006	5128A
919-017406-007	5127A
919-017406-008	5131A
919-017406-009	5129A
919-017406-010	5135A
919-017406-011	5136A
919-017406-012	5139A
919-017406-013	5130A
919-017406-014	5126A
919-017406-015	5117A
919-017406-016	5114A
919-017406-017	5123A
919-017406-018	5111A
919-017406-019	5112A
919-017406-020	5113A
919-017406-021	5115A
919-017406-022	5116A
919-017406-023	5118A
919-017406-024	5119A
919-017406-025	5121A
919-017406-026	5124A
919-017406-027	5132A
919-017406-028	5134A
919-017406-029	5138A
919-017406-030	5140A
919-017406-031	5142A
919-017406-032	5143A
919-017406-033	5144A
919-017406-034	5145A
919-017406-035	5146A
919-017406-036	5147A
919-017406-037	5148A
919-017406-038	5149A
919-017406-040	5151A
919-017406-041	5152A
919-017406-042	5153A
919-017406-043	5154A
919-017406-044	5155A
919-017406-045	5156A
919-017406-046	5157A
919-017406-047	5158A
919-017406-048	5159A
919-017406-049	5160A
919-017406-050	5161A
919-017406-051	5162A
919-017406-052	5163A
919-017406-053	5164A
919-017406-054	5165A
919-017406-055	5166A
919-017406-056	5133A
919-017406-057	5125A
919-017406-058	5116A
919-017406-059	5115A
919-017406-060	5130A
919-017406-061	5137A
919-017406-062	5136A
919-017406-063	5126A
919-017406-064	5128A
919-017406-065	5129A
919-017406-066	5115A
919-017406-067	5117A
919-017406-069	5113A
919-024117	177
919-024760	177
919-024769	177
919-72-2	5642
919-917406-039	5150A
920-029847-000	8212
921-00143	159
921-00178	159
921-00379	229
921-00403	172A
921-00449	123AP
921-00450	123AP
921-00452	232
921-00453	159
921-00462	123AP
921-00472	123AP
921-00473	123AP
921-01059	108
921-01060	123AP
921-01062	123AP
921-01063	123AP
921-01065	152
921-01081	123AP
921-01082	123AP
921-01101	153
921-01102	159
921-01103	85
921-01104	159
921-01105	123AP
921-01106	289A
921-01107	290A
921-01108	222
921-01109	159
921-01111	123AP
921-01112	280
921-01113	281
921-01114	382
921-01115	383
921-01122(CBE)	123AP
921-01123(CBE)	123AP
921-01124(CBE)	123AP
921-01125(CBE)	294
921-01127	123AP
921-01128	232
921-01129	172A
921-01141	123AP
921-01142	123AP
921-01144	123AP
921-01145	159
921-01146	123AP
921-01167	85
921-01168	85
921-01176	234
921-01177	123AP
921-01179	123AP
921-01187	123AP
921-01536	2358♦
921-01537	2357♦
921-01550	2355♦
921-01568	2356♦
921-01577	2359♦
921-01582	2357
921-01613	2360♦
921-01633	2416
921-01653	2418
921-01654	2417
921-01678	2419
921-01689	2360
921-01693	2356
921-01697	2357♦
921-01700	2356♦
921-01703	2358♦
921-01722	2417
921-01728	2359
921-01739	2359
921-01744	2360
921-01745	2358
921-01772	2360♦
921-01799	2357
921-01801	2358
921-01807	2358
921-01838	2359
921-01880	2355
921-011000	152
921-1A	160
921-1B	160
921-2A	160
921-2B	160
921-3A	160
921-3B	160
921-4A	160
921-4B	126A
921-5A	103A
921-5B	103A
921-6A	103A
921-6B	103A
921-7	123A
921-7B	103A
921-8	123A
921-9B	160
921-10B	160
921-11B	160
921-12B	160
921-13B	160
921-14B	102A
921-15B	160
921-16B	160
921-17B	160
921-20	108
921-20A	108
921-20B	108
921-20BK	123A
921-21	108
921-21A	108
921-21B	108
921-21BK	108
921-22	108
921-22A	108
921-22B	108
921-22BG	123A
921-22BK	123A
921-23	108
921-23A	108
921-23B	108
921-23BK	123A
921-24B	102A
921-25B	160
921-26	123A
921-26A	123A
921-26B	160
921-27	102A
921-27A	102A
921-27B	123A
921-28	123A
921-28A	123A
921-28B	123A
921-28BLU	123A
921-29B	159
921-30	108
921-30A	108
921-30B	108
921-31	108
921-31A	108
921-31B	108
921-32	108
921-32A	108
921-32B	108
921-33	108
921-33B	108
921-34	108
921-34A	108
921-34B	108
921-35	102A
921-35A	102A
921-35B	102A
921-36B	102A
921-37B	102A
921-38	102A
921-38A	102A
921-38B	102A
921-39	102A
921-39A	102A
921-39B	102A
921-40	102A
921-40A	102A
921-40B	102A
921-41B	102A
921-43B	123A
921-44B	158
921-45	102A
921-45A	102A
921-45B	102A
921-46	123A
921-46A	123A
921-46B	103A
921-46BK	123A
921-47	123A
921-47A	123A
921-47B	129
921-47BL	123A
921-48B	123A
921-49B	123A
921-50B	123A
921-51B	102A
921-52B	102A
921-53B	158
921-54B	103A
921-55B	161
921-56B	161
921-57B	161
921-58B	161
921-59B	107
921-60B	128
921-61B	124
921-62	107
921-62A	107
921-62B	107
921-63	107
921-63A	107
921-63B	107
921-64	107
921-64A	107
921-64B	107
921-64C	107
921-65	126A
921-65A	126A
921-65B	126A
921-66	126A
921-66A	126A
921-66B	126A
921-67	102A
921-67A	102A
921-67B	102A
921-68	102A
921-68A	102A
921-68B	102A
921-69	158
921-69A	158
921-69B	158
921-70	159
921-70A	159
921-70B	159
921-71	103A
921-71A	103A
921-71B	103A
921-72B	108
921-73B	123A
921-75	123AP
921-77B	123A
921-84	107
921-84A	107
921-84B	107
921-85	107
921-85A	107
921-85B	107
921-86	107
921-86A	107
921-86B	107
921-88	124
921-88A	124
921-88B	124
921-92B	199
921-93B	123A
921-97B	108
921-98B	108
921-99B	123A
921-100B	102A
921-102	107
921-102A	107
921-102B	107
921-103B	106
921-105B	158
921-106B	199
921-109B	123A
921-110B	129
921-111B	199
921-112B	106
921-114	229
921-114B	199
921-115	229
921-115B	199
921-116	229
921-116B	199
921-117B	123A
921-118B	158
921-119	107
921-119B	108
921-120B	123A
921-123B	123A
921-124B	123A
921-125B	123A
921-126B	312
921-127B	199
921-128B	123A
921-129B	108
921-133	199
921-133B	199
921-140B	158
921-141B	107
921-142B	107
921-143B	107
921-145B	107
921-147B	102A
921-148B	102A
921-150B	102A
921-152B	199
921-153B	102A
921-154B	199
921-155B	199
921-156B	124
921-157B	220
921-158B	108
921-159B	123A
921-160B	159
921-161B	123A
921-163B	186
921-170B	108
921-171B	108
921-172B	108
921-173B	108
921-174B	108
921-176B	107
921-177B	107
921-178B	123A
921-181B	229
921-182B	129
921-188B	128
921-189B	123A
921-191B	123A
921-195B	123A
921-196	199
921-196B	199
921-197B	159
921-198BX	185 +184(CP)
921-200B	123A
921-202	85
921-202B	199
921-203B	312
921-204B	107
921-205B	199
921-206	199
921-206B	199
921-207	199
921-207B	199
921-208B	199
921-209B	199
921-210B	107
921-211B	107
921-212B	108
921-213B	107
921-214B	123A
921-215B	123A
921-216B	102A
921-217B	102A
921-222B	102A
921-223B	102A
921-224B	158
921-225B	123A
921-226B	107
921-227B	158
921-228B	123A
921-229B	123A
921-230B	192
921-231B	312
921-232B	107
921-233B	107
921-234B	123A
921-235B	107
921-236B	128
921-237B	123A
921-238B	102A
921-239B	199
921-240B	199
921-241B	128
921-242B	158
921-243B	158
921-244B	158
921-246	123AP
921-252B	123A
921-254B	159
921-255B	123A
921-256X	158
921-257B	199
921-258B	199
921-264B	108
921-265	108
921-265B	108
921-266	108
921-266B	108
921-267	108
921-267B	108
921-268B	123A
921-269B	123A
921-270B	129
921-272B	123A
921-273B	102A
921-274B	102A
921-275	85
921-275B	289A
921-275R	123A
921-276B	289A
921-281B	199
921-282B	158
921-291	123AP
921-291B	123AP
921-292	159
921-292B	294
921-296B	159
921-301	229
921-301B	229
921-303B	123AP
921-304B	123AP
921-305B	123A
921-306B	123AP
921-307	123AP
921-307B	123AP
921-308	159
921-308B	159
921-309	123AP
921-309B	123AP
921-312B	229
921-313B	108
921-314	123AP
921-314B	85
921-315B	129
921-318B	102A
921-319B	102A
921-320B	229
921-321	123AP
921-321B	123AP
921-322B	123AP
921-323B	159
921-325B	108
921-326B	107
921-327B	158
921-332B	159
921-333B	106
921-333P	106
921-334B	108
921-335B	108
921-336B	108
921-337B	128
921-338B	108
921-339B	123AP
921-342B	177
921-345	123AP
921-345B	123A
921-346	288
921-347	287
921-348	288
921-348B	159
921-349	123AP
921-349B	229
921-350B	229
921-351	123AP
921-351B	123AP
921-352B	123AP
921-353	123AP
921-353B	123AP
921-354	123AP
921-354B	123AP
921-355	123AP
921-355B	123AP
921-357B	299
921-360	123AP
921-360B	123AP
921-361B	100
921-362B	229
921-369	123A
921-378	297
921-379	229
921-382	261
921-383	262
921-389	287 +288(CP)
921-403	172A
921-404	232
921-405	159
921-406	123AP
921-407	123AP
921-408	123AP
921-410	298 +297(CP)
921-411	238
921-412	287 +288(CP)
921-428	108
921-429	291
921-430	292
921-431	152
921-432	153
921-433	153
921-434	152
921-449	123AP
921-450	123AP
921-452	232
921-462	123AP
921-463	123AP
921-464	123AP
921-467	291
921-470	123AP
921-1007	159
921-1008	315
921-1009	152
921-1010	315
921-1011	130
921-1013	289A
921-1014	229
921-1015	123AP
921-1016	290A
921-1017	289A
921-1018	83♦
921-1020	190
921-1021	211
921-1022	289A
921-1028	85
921-1041	107
921-1042	107
921-1045	123AP
921-1047	152
921-1048	123AP
921-1049	123AP
921-1050	85
921-1051	123AP
921-1053	199
921-1054	196
921-1055	199
921-1056	90
921-1057	85
921-1059	108
921-1060	123AP
921-1061	108
921-1062	123AP
921-1063	123AP
921-1064	123AP
921-1065	123AP
921-1066	123AP
921-1067	312
921-1068	107
921-1069	85
921-1070	290A
921-1071	85
921-1072	85
921-1073	85
921-1074	199
921-1075	85
921-1076	152
921-1077	85
921-1078	85
921-1103	123AP
921-1134	159
921-1142	123AP
921-1143	159
921-1144	299
921-1150	312
921-1151	107
921-1152	85
921-1159	222
921-1160	107
921-1161	108
921-1169	152
921-1170	289A
921-1171	290A
921-1172	85
921-1173	222
921-1174	85
921-1175	123AP
921-1180	290A
921-1181	123AP
921-1182	289A
921-1183	199
921-1184	199
921-1185	85
921-1193	159
921-1194	159
921-1195	123AP
921-1196	123AP
921-1197	159
921-1198	123AP
921-1200	234
921-1202	293
921-1203	306
921-1204	289A
921-1205(SGD)	451
921-1206(DSG)	451♦
921-1207	290A
921-1209	289A
921-1213	159
921-1214	159
921-1226	289A
921-1244	229
921-1246	123AP
921-1252	85
921-1253	290A
921-1254	85
921-1262	159
921-1263	123AP
921-1264	123AP
921-1265	293
921-1266	152
921-1274	123AP
921-1275	123AP
921-1276	123AP
921-1284	194
921-1285	312
921-1286	229
921-1287	85
921-1288	184
921-1290	188
921-1291	290A
921-1292	85
921-1293	108
921-1295	123AP
921-1300	290A♦
921-1310	293
921-1312	293
921-1313	290A♦
921-1314	85
921-1325	85
921-1326	290A♦
921-1327	382
921-1335	108
921-1336	108
921-1337	108
921-1338	123AP
921-1339	123AP
921-1340	159
921-1341	159
921-1528	107
921-1536	2358♦
921-1537	2357♦
921-1550	2355♦
921-1568	2356♦
921-1577	2359♦
921-1582	2357
921-1613	2360♦
921-1633	2416
921-1653	2418
921-1654	2417
921-1678	2419
921-1689	2360
921-1693	2356
921-1697	2357♦
921-1700	2359♦
921-1703	2358♦
921-1722	2417
921-1728	2359
921-1739	2359
921-1744	2360
921-1745	2358
921-1772	2360♦
921-1799	2357
921-1801	2358
921-1807	2358
921-1838	2359
921-1880	2355
921-3558	123AP
921HC	9921
923-0208-007	552
923-0371-035	116
923-0371-040	139A
923-0371-041	614
923-1(RCA)	320
923-2(RCA)	320
923-3(RCA)	320
923-4(RCA)	320
923HC	OBS-NLA
924-1(SYL-SCR)	5400
924-1(SYL)	233
924-1(Large case)(SYL)	5452
924-2(SYL-SCR)	5401
924-3(SYL-SCR)	5400
924-4(SYL-SCR)	5400
924-5(SYL-SCR)	5400
924-6(SYL-SCR)	5404
924-7(SYL-SCR)	5404
924-8(SYL-SCR)	5400
924-2209	172A
924-16598	102A
924-17945	121
926C193-1	123A
926C193-2	123A
926C193-P1M4165	123A
926C206P1	519
926HC	9926
927-1(SYL)	123A
927-1A(SYL)	128
927HC	9927
929(O)	199
929C	199
929CA	199
929CU	199
929D(JVC)	199
929DX	199
930(OV)	199
930-27B	109
930B	199
930C	199
930C(Wards)	199
930C613-P1	909
930D	199
930D(Wards)	199
930DC	9930
930DU	199
930DX	199
930DZ	107
930E	199
930E(Wards)	199
930E(JVC)	199
930EX	199
930PC	9930
930X1	123A
930X2	123A
930X3	123A
930X4	108
930X5	108
930X6	126A
930X7	102A
930X8	102A
930X9	102A
930X10	102A
931	177
931DC	9931
931PC	9931
932DC	9932
932PC	9932
933-032-8100	166
933-2(SYL)	504
933DC	9933
933PC	9933
935-1	123A
935DC	9935
935PC	9935
936-10	116
936-20	116
936 NPN	184
936DC	9936
936PC	9936
936PNP	185
937DC	9937
937LNR(TRANS)	234♦
937LNS(TRANS)	234♦
937PC	9937
938-3	283
939-12	177
940-1(SYL)	159
941-026-0001	177
941DC	9941
941PC	9941
941T1	176
942-002	OBS-NLA
942H2	1195
943-086	519
943-087	519
943-087-1	519
943-105-001	519
943-721-001	159
943-728-001	128
943-742-002	199
944-0725-011	816

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944-1(SYL)	100
944-2(SYL)	100
944DC	9944
944PC	9944
945	6400B
945DC	9945
945PC	9945
946-1(SYL)	160
946-2(SYL)	160
946DC	9946
946PC	9946
947-1	123AP
947-1(Sylvania)	108
947-1(SYL)	123AP
948-1(SYL)	160
948-2(SYL)	160
948-10300	5547
948DC	9948
948PC	9948
949-1(SYL)	108
949DC	9949
949PC	9949
950-1(SYL)	108
950DC	9950
950PC	9950
951-1(Sylvania)	126A
951-1(SYL)	126A
951-2(SYL)	126A
951DC	9951
951PC	9951
952-2	287
953-1(SYL)	198
955-1	160
955-1(SYL)	519
955-2	160
955-3	160
956-1(SYL)	580
957-7656-0	5400
958-023	159
959-1(SYL)	5400
961DC	9961
961PC	9961
962-1(SYL-Diode)	109
962DC	9962
962PC	9962
963DC	9963
963PC	9963
964-1(RCA)	350
964-2(RCA)	350
964-3(RCA)	350
964-4(RCA)	350
964-2073B	123A
964-2209	172A
964-16598	126A
964-16599	104
964-17142	102
964-17443	116
964-17444	123A
964-17887	104
964-17945	121
964-19862	103A + 102A(CP)
964-19862A	102A
964-19863	102A
964-19864	102A
964-19865	116
964-20738	123A
964-20739	129
964-21866	116
964-22008	129
964-22009	172A
964-22158	128
964-24387	128
964-24584	123A
964-25046	128
964-27986	210
964-174443	116
965-1A6-5	160
965-2A6-1	103A
965-4A6-2	101
965A16-3	160
965B16-2	126A
965C-16-4	121
965T1	102
966-02	291
966-1A6-3	102A
966-2A6-4	102A
966-3A6C	102A
970-1	159
970-1(SYL)	159
971-B6	282§
972-0187-2	103A
972-659E-0	159
972-5360-0	199
972-6680-0	199
972-6680-1	199
972-8187-2, 103A + 102A(CP)	
972-9300-0	229
972D7	116
972X1	160
972X2	160
972X3	160
972X4	160
972X5	160
972X6	126A
972X7	126A
972X8	126A
972X9	102A
972X10	102A
972X11	102A
972X12	102A
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975-1(RCA)	454
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976-0720-052	288
976-0720-067	287
976-0720-110	396
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976-0720-126	350
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977-1(RCA)	177
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977-3B	125
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977-6B	166
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977-13B	116
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977-22B	116
977-23B	116
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977-28B	116
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977-32	521
977-33	521
977-34	523/3306
977-34-01	523/3306
977-35	523/3306
977-35-02	526A
977-35-03	526A
977-36	526A
977-37	526A
977-38	522
977-40	530
977-41	528
977-42	528
977-43	559
977-45	561
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977-48	560
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977A1-6-1	105
977B1-6-2	121MP
977C1-6-3	121MP
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977-Z9501B	501B
977-Z9521	521
977-Z9522	522
977-Z9523	523/3306
977-Z9526A	526A
977-Z9528	528
977-Z9529	529
977-Z9530	530
977-Z9531	531
977-Z9532	532
977-Z9533	533
977-Z9534	534
977-Z9535	535
977-Z9536	536A
977-Z9536A	536A
977-Z9537	537
977-Z9538	538
977-Z9539	539
977-Z9549	549
977-Z9550	550
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979-1(RCA)	161
979-2	108
979-2(RCA)	108
984A-1-6B	121
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986M(Zenith)	159
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988T1	102
989T1	102
990T1	102
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991-00-1172-1	177
991-00-1219	123A
991-00-1221	102A
991-00-1222	102A
991-00-1449	117A
991-00-1449-1	117A
991-00-2232	123A
991-002232	289A
991-00-2248	123A
991-002298	199
991-00-2298	123A
991-00-2356	123A
991-002356	199
991-00-2356/K	123A
991-00-2440	117A
991-00-2440-1	117A
991-00-2440-2	117A
991-00-2873	123A
991-002873	199
991-002888	194
991-00-2888	128
991-00-3144	123A
991-003144	192A
991-00-3304	123A
991-003304	289A
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991-008394	289A
991-00-8394	123A
991-00-8394A	123A
991-008394A	289A
991-00-8394AH	123A
991-00-8395	123A
991-01-0098	159
991-01-0099	121
991-01-0461	172A
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991-01-1220	123A
991-01-1221	102A
991-01-1222	102A
991-01-1223	102A
991-01-1224	102A
991-01-1225	159
991-01-1305	128
991-01-1306	123A
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991-01-1314	128
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991-01-1316	107
991-01-1317	130
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991-01-2328	159
991-01-2686	129
991-01-3044	123A
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991-01-3057	123A
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991-01-3063	130
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991-01-3170	196
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991-010461	172A
991-010462	289A
991-011217	158
991-011219	123A
991-011220	123A
991-011221	102A
991-011222	102A
991-011223	102A
991-011224	102A
991-011225	159
991-011305	128
991-011306	123A
991-011312	123A
991-011313	123A
991-011314	128
991-011315	129
991-011316	123A
991-011318	123A
991-011319	159
991-011576	312
991-011705	289A
991-011706	312
991-012328	159
991-012396	123A
991-012637	102A
991-012686	123AP
991-013044	289A
991-013056	289A
991-013057	289A
991-013058	159
991-013063	152
991-013068	289A
991-013170	152
991-013186	287
991-013187	159
991-013316	289A
991-013543	172A
991-013544	199
991-013599	159
991-013683	289A
991-015000	187
991-015001	186
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991-015063	377
991-015316	6402
991-015556	287
991-015587	123A
991-015614	290A
991-015615	289A
991-015663	172A
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991-015942-003	761§
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991-016199	192A
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991-017456	312
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991-018047	123AP
991-018237	265
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991-022215	74164
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991-022791	955M
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991-025576	40106B
991-026005	4030B
991-026006	4520B
991-026022	4027B
991-026022-001	4027B
991-026023	4028B
991-026024	4029B
991-026025	4001B
991-026054	199
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991-026646-7	967
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991-027326	2042§
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991-027359	4069
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991-028616-001	4035B
991-028650-000	4025B
991-028650-001	4050B
991-028679-001	4016B
991-028680-001	4019B
991-028681-001	4024B
991-028682-001	4025B
991-028683-001	980
991-028684-001	4073B
991-028685-001	74174
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991-028688-000	922
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991-029855-000	74LS02
991-029856	74LS04
991-029858-000	74LS10
991-029859-000	4511B
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991-030253-000	74LS155
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991-031917-001	4516B
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992-00-1192	104
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992-002271	130
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998-0200816	123A
999-02	6401
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1000-132	139A
1000-133	144A
1000-135	107
1000-136	123A
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1001-7663	102
1001-9552	177
1001-9602	109
1001-9610	116
1001-9628	399
1001-9644	85
1001-9651	375
1001-9677	1186
1001-9685	1187
1001-9693	712
1001-9727	1550
1001-9735	615A
1001-9958	229
1001-9966	123AP
1001-9974	123AP
1001-9990	123AP
1001H(IC)	1127
1001H2(IC)	1127
1002	234
1002(Dg. Trans)	2355
1002(GE)	748A
1002(Squelch)	102A
1002-0006	1003
1002-0014	109
1002-01	312
1002-02	229
1002-02A	108
1002-03	123A
1002-04	123A
1002-04-1	108
1002-05	102A
1002-07	1012
1002-08	109
1002-09	109
1002-0219	116
1002-0345	1465
1002-0402	123AP
1002-0436	289A
1002-0519	5010T1
1002-17	109
1002-17(Diode)	109
1002-25	726
1002-68	229
1002-4404	142A
1002-5625	123AP
1002-5690	5015A
1002-6219	116(4)
1002-9296	601
1002-9668	144A
1002A(Juliette)	107
1002A(TRIAC)	5614
1002A-1	129
1002A-2	128
1003	102A
1003(E.F. Johnson)	102A
1003(Dig. Trans)	2357
1003(Juliette)	126A
1003-01	107
1003-02	1045
1003-0518	398
1003-0567	1196
1003-11	177
1003-13	116
1003-2084	5070A
1003-3116	1465
1003-6754	199
1004	123
1004(Diode)	109
1004(2SC537)	123A
1004(G.E.)	161
1004(Dig. Trans)	2359
1004(Juliette) *	158
1004-01	158
1004-02	195A
1004-03	123A
1004-0392	159
1004-0780	199
1004-0798	230
1004-17	108
1004-1960	109
1004-1994	1248
1004-2042	1248
1004P	129
1005	123A
1005(Juliette Rectifier)	116
1005(2SC537)	123A
1005(Juliette) *	102A
1005-02	195A
1005-03	123A
1005-3	123A
1005-17	102A
1005-20	116
1005 (Juliette Diode)	109
1005M19	159
1006(Juliette) *	123A
1006(Diode)	109
1006(JULIETTE RECT)	116
1006(G.E.)	161
1006-0887	1248
1006-0895	85
1006-0903	1466
1006-0937	196
1006-0945	5019A
1006-17	125
1006-21	123A
1006-24	116
1006-48	229
1006-78	160
1006-93	102A
1006-1737	145A
1006-2594	290A
1006-5977	177
1006-5985	140A
1006-7445	1376
1006-9292	109
1007(Juliette Rectifier)	116
1007(2SB405)	158
1007(Juliette)	126A
1007(Fisher)	130
1007-0951	116
1007-17	102A
1007-17(Diode)	109
1007-1124	110MP
1007-3054	229
1007-3062	229
1007-3070	289A
1007-3088	229
1007-3153	289A
1007-3211	123A
1007-3229	287
1007-3344	172A
1007-5869	85
1007-5919	610
1007 (Juliette Diode)	109
1008	128
1008(Power)	131
1008(Juliette)	131
1008(E.F. Johnson)	102A
1008-02	123A
1008-17	104
1008-25	726
1009	102A
1009(Sears)	102A
1009(E.F. Johnson)	102A
1009(Juliette-Rectifier)	116
1009(G.E.)	161
1009-01	222
1009-02	123A
1009-02-16	123A
1009-03	195A
1009-03-17	128
1009-04	237
1009-04-17	195A
1009-05	300
1009-05A	196
1009-06	138A
1009-07	177
1009-08	177
1009-09	116
1009-11	1016

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
1009-17	123A
1009-127	312
1009-8403	375
1010	140A
1010(Diode)	177
1010(GE)	233
1010(Zener)	140A
1010(20A90)	110MP
1010(Juliette)	116
1010-14	195A
1010-17	191
1010-17(R.F.)	195A
1010-78	160
1010-87	160
1010-89	126A
1010-143	177
1010-145	109
1010-3417	552
1010-7738	159
1010-7928	123A
1010-7936	196
1010-7951	375
1010-7985	165
1010-7993	128
1010-8009	290A
1010-8025	165
1010-8033	290A
1010-8041	128
1010-8066	233
1010-8082	123A
1010-8090	123A
1010-8116	506
1010-8132	5080A
1010-8165	177
1010-8173	110MP
1010-8355	177
1010-9478	513
1010-9485	116
1010-9486	116
1010-9494	552
1010-9932	738
1010-9940	712
1010-9965	783
1010-9973	713
1010A	519
1011	109
1011(VO-6C)	116
1011-01	195A
1011-02	5071A
1011-0302	519
1011-11	191
1011-11(R.F.)	108
1011-11(Focus)	118
1011-2351	177
1011M57P01	129
1011M62P01	129
1012(GE)	159
1012(Diode)	116
1012(I.C.)	1003
1012(G.E.)	159
1012(IC)	1003
1012-17	109
1012-17(Power)	5874
1013	109
1013(E.F.Johnson)	159
1013(GE)	159
1013-15	229
1013-16	102A
1014	123AP
1014(Diode)	116
1014(E.F. Johnson)	102A
1014(Fisher)	123AP
1014(Transistor)	102A
1014-25	703
1015	145A
1015(Fisher)	123AP
1015(Transistor)	159
1015-2	123AP
1015-2(Fisher)	123AP
1015-15	229
1015GRFA(Trans)	290A
1016	234
1016(G.E.)	159
1016(GE)	159
1016-17	116
1016-77	109
1016-78	116
1016-79	116
1016-80	703
1016-81	152
1016-83	108
1016-84	108
1016-85	313
1016F(TRANS)	234
1018	154
1018-25	1056
1018-1063	289A
1018-2400	160
1018-3242	107
1018-3259	177
1018-4943	123AP
1018-6278	5019A
1018-6963	116
1018-7474	506
1018-7961	125
1018-9884	109
1018-13259	177
1019(Zenith)	159
1019-25	1021
1019-74	102A
1019-1385	506
1019-3852	123A
1019-6699	109
1019M(Zenith)	159
1020	116
1020-17	123A
1020-25	1075A
1020H	1160
1021-17	102
1021-25	1100
1022-0911	5007A
1022-1976	5016A
1022-5548	116
1023-17	102
1023G	123A
1023G(GE)	123A
1023Q(Trans)	290A
1024	116
1024-17	104
1024G(GE)	123A
1025-2712	712
1025-4712	712
1025G(GE)	199
1025H	1160
1025H(IC)	1160
1026	319P
1026(Fisher)	319P
1026(GE)	229
1026G	123A
1026G(GE)	123A
1027	146A
1027(Fisher)	229
1027(G.E.)	108
1027G	128
1027G(GE)	128
1028(G.E.)	123A
1028-01(Zenith)	51
1028-3984	177
1028-6680	611
1028-6755	116
1028G	123A
1028G(GE)	123A
1029(G.E.)	123A
1029-02(Zenith)	165
1029-BP	179♦
1029-CH	5200A
1029-CK	179
1029-DL	5194A
1029-DT	5187A
1029-EA	5198A
1029-EM	179
1029-EP	5019A
1029-ES	5087A
1029-EY	101
1029-FB	109
1029-FE	5005A
1029-FF	103A
1029-FG	213♦
1029-FH	5010A
1029-FJ	5874
1029-FL	5022A
1029-FM	5031A
1029-FR	5194A
1029-FS	5192A
1029-FT	5203A
1029G	123A
1029G(GE)	123A
1029-GA	142A
1029-GB	6400B
1029-GC	5021A
1029-GE	128
1029-GG	5183A
1029-GJ	5025A
1029-GK	147A
1029-GT	139A
1029-GW	137A
1029-GY	5009A
1029-HA	5013A
1029-HB	5014A
1029-HC	5018A
1029-HD	5024A
1029-HE	5071A
1029-HF	5079A
1029-HH	5982
1029-HJ	5281A
1029-HL	129
1029-HN	519
1029-HP	129
1029-HU	5010A
1029-HW	5102A
1029-HY	179
1029-JA	123A
1029-JB	159
1029-JD	5408
1029-JH	71
1029-JK	5214A
1029-JN	128
1029-JP	129
1029-JS	6400B♦
1029-JT	5080A
1029-JU	5408
1029-JW	5521
1029-KC	5016A
1029-KE	109
1029-KG	5072A
1029-KH	5027A
1029-KK	5006A
1029-KM	101
1029-KN	5011A
1029-KP	128
1029-KS	5080A
1029-KT	5408
1029-KW	135A
1029-KY	5260A
1029-LA	5002A
1029-LC	5197A
1029-LD	5066A
1029-LJ	136A
1029-LK	143A
1029-LL	123A
1029-LM	5181A
1029-LN	5282A
1029-LP	5198A
1029-LS	5818
1029-LT	5276A
1029-LU	284
1029-LW	219
1029-MA	5550
1029-MB	159
1029-ME	552
1029-MG	5215A
1029-MK	5042A
1029-MM	128
1029-MN	137A
1029-MP	140A
1029-MR	145A
1029-MS	5077A
1029-MT	5033A
1029-NB	5801
1029-NE	5820
1029-NK	5188A
1029-NM	5220A
1029-NN	5088A
1029-NT	219
1029-NW	130
1029-NY	82
1029-PB	369
1029-PE	128
1029-PL	327
1029-PN	3043
1029-PP	123AP
1029-PR	137A
1029-PS	397
1029-PU	159
1029-PY	159
1029-RG	5463
1029-RT	123A
1029-RU	5008A
1029-RW	519
1029-SC	311
1029-SL	552
1029-SN	125
1029-TC	5015A
1029-TE	5005A
1029-WC	5069A
1029-WE	123AP
1029-WG	159
1029-WH	524V25
1029-WK	377
1029-WN	5010A
1029-WP	285
1029-YC	5007A
1029-YD	123AP
1029-YE	159
1030	159
1030(G.E.)	165
1030-1	159
1030-1(Fisher)	159
1030-2	159
1030-2(Fisher)	159
1030-17	109
1030-21	199
1030-25	7473
1031-1	123AP
1031-1(Fisher)	123AP
1031-2	123AP
1031-2(Fisher)	123AP
1031-17	156
1031-25	7401
1031H	1245
1032	102
1032-1(Fisher)	129
1032-2(Fisher)	129
1032-3(Fisher)	129
1032-4(Fisher)	159
1032-5(Fisher)	129
1032-25	1141
1032-3467	601
1032-3475	601
1032-3483	601
1032H	1170
1033	142A
1033-0911	177
1033-0983	519
1033-0991	177
1033-1	126A
1033-1(Fisher)	128
1033-2	126A
1033-2(Fisher)	128
1033-3	126A
1033-4	126A
1033-4(Fisher)	128
1033-5	102
1033-5(Fisher)	128
1033-6	103
1033-7	102
1033-8	116
1033-17	116
1033-1197	1710
1033-1247	1712
1033-1262	1713
1033-1270	5404
1033-1916	109
1033-4340	4066B
1034	158
1034-3(Fisher)	159
1034-4(Fisher)	159
1034-5(Fisher)	159
1034-17	123A
1034-43	101
1035	158
1035(Zenith)	297
1035-3(Fisher)	81
1035-4(Fisher)	81
1035-5(Fisher)	81
1035-80	199
1036	158
1036(Zenith)	298
1036-1(Fisher)	183
1036-2(Fisher)	183
1036-20	121
1037	123AP
1037(Fisher)	123AP
1037-0575	42
1037-1(Fisher)	182
1037-3(Fisher)	182
1037-65	199
1037-7174	1557
1038(G.E.)	128
1038-1	123A
1038-1-10	123A
1038-6	123A
1038-6CL	123A
1038-8	123A
1038-10	123A
1038-15	123A
1038-15CL	123A
1038-18	123A
1038-18CL	123A
1038-21	123A
1038-23	123A
1038-23CL	123A
1038-24	123A
1038-1697	116
1038-1721	116
1038-1788	506
1038-1804	1046
1038-1853	198
1038-1861	274
1038-9922	290A
1039-0060	290A
1039-01	123A
1039-0433	186A
1039-0441	289A
1039-0458	297
1039-0482	107
1039-0516	198
1039-0888	107
1039-0961	85
1039-1290	238
1039-9772	85
1040	116
1040(Fisher)	123AP
1040(Zenith)	123AP
1040-01	123A
1040-02	175
1040-03	123A
1040-04	195A
1040-05	237
1040-07	177
1040-08	109
1040-09	140A
1040-09(ZENER)	140A
1040-2	123A
1040-7	128
1040-10	116
1040-11	128
1040-59	160
1040-80	103A
1040-81	116
1040-155	123A
1040-9068	159
1040-9332	116
1040-9373	5081A
1041-63	116
1041-64	116
1041-65	109
1041-66	177
1041-67	138A
1041-68	1013
1041-69	1016
1041-70	312
1041-71	229
1041-72	123A
1041-73	123A
1041-74	152
1041-75	123A
1041-76	190
1041-77	195A
1041-109	116
1041-6949	290A
1042	319P
1042(Fisher)	319P
1042-01	222
1042-02	312
1042-03	199
1042-04	123A
1042-05	289A
1042-06	159
1042-07	123A
1042-08	235
1042-09	236
1042-3	109
1042-7	123A
1042-8	235
1042-10	226MP
1042-11	724
1042-12	109
1042-13	109
1042-14	178MP
1042-15	519
1042-16	177
1042-17	116
1042-18	139A
1042-19	5072A
1042-23	177
1042-7938	749
1042-8795	140A
1043-0049	177
1043-07	123A
1043-0615	123A
1043-10	177
1043-163	123AP
1043-164	123AP
1043-1195	222
1043-1229	289A
1043-1260	289A
1043-1278	129
1043-1286	152
1043-1294	153
1043-1301	185
1043-1302	184
1043-1310	185
1043-1328	184
1043-1336	185
1043-1344	722
1043-1534	142A
1043-1583	605A
1043-6707(BCE)	85
1043-7275	1576
1043-7309	124
1043-7358	198
1043-7374	159
1043-7382	116
1044	116
1044-0295	159
1044-3983	177
1044-6888	159
1044-7035	984
1044-7043	1174
1044-7049	1174
1044-8926	182
1044-8934	177
1044-8983	177
1044-9205	175
1044-9544	128
1045	182
1045(Fisher)	182
1045-0518	552
1045-0534	116
1045-1722	107
1045-2761	712
1045-2951	123AP
1045-3082	128
1045-3579	159
1045-4445	506
1045-4676	159
1045-7034	116
1045-7737	165
1045-7802	177
1045-7828	152
1045-7836	153
1045-7844	130
1045-7851	130
1045-9915(Audio)	85
1045-9915(RF)	69
1047-25	1052
1047-7065	177
1047-7115	159
1048-6421	177
1048-7361	399
1048-9839	5072A
1048-9854	142A
1048-9870	109
1048-9888	110MP
1048-9904	229
1048-9912	123A
1048-9920	199
1048-9938	614
1048-9946	116
1048-9953	601
1048-9987	177
1048-9995	116
1049-0035	294
1049-0050	229
1049-0060	229
1049-0092	199
1049-0100	199
1049-0167	293
1049-1744	123A
1049-3435	116
1050	116
1050(GE)	506
1050-21	199
1050-64	116
1050G	159
1051	506
1051(GE)	506
1051-5	81
1051-5(Fisher)	81
1051-7(Fisher)	81
1052-17	102A
1052-6390	1161
1052-6408	1164
1052-6416	1173
1053-1	123AP
1053-1(Fisher)	123AP
1053-5	123AP
1053-5(FISHER)	123AP
1053-5(Fisher)	123AP
1053-6	123AP
1053-6(Fisher)	123AP
1053-25	1155
1054-1(Fisher)	123AP
1054-5	128
1054-5(Fisher)	128
1054-8295	513
1054-8766	123A
1055-7726	229
1056-5	182
1056-5(Fisher)	182
1056-5(FISHER)	182
1056-3039	601
1056-4417	116
1056-8269	581
1057-1	182
1057-1(Fisher)	182
1057-3	182
1057-3(Fisher)	182
1057-4	182
1057-4(Fisher)	182
1057-17	102A
1057-2071	199
1058(Zenith)	171
1058-5(Fisher)	182
1058-2419	109
1058-3227	50
1058-3664	49
1059-5	196
1059-5(Fisher)	196
1059-2848	506
1059-7805	601
1059-7961	125
1059-9140	5074A
1059M(Zenith)	159
1060	116
1060-17	102A
1060-3553	177
1060-6564	294
1060-9428	287
1060-9543	613
1060-9568	142A
1060-9592	804
1060-9600	229
1060-9618	229
1060-9626	233
1060-9634	229
1060-9642	233
1061-4667	109
1061-6274	238
1061-6282	162
1061-6290	506
1061-8312	159
1061-8320	290A
1061-8338	196
1061-8346	198
1061-8353	198
1061-8361	125
1061-8379	116
1061-8387	506
1061-8668	198
1061-8807	290A
1061-8908	198
1061-8916	116
1061-8924	116
1061-9068	159
1061-9153	1128
1061-9161	1134
1061-9526	1200
1061-9666	1130
1061-9856	1133
1062-0615	108
1062-1	123AP
1062-1(Fisher)	123AP
1062-7	128
1062-7(Fisher)	128
1062-7(FISHER)	123A
1062-5069	601
1062-6018	159
1062-6414	294
1062-7511	165
1062GE	177
1063-1	123AP
1063-1(Fisher)	123AP
1063-5	123AP
1063-5(Fisher)	123AP
1063-5(FISHER)	123AP
1063-6	123AP
1063-6(Fisher)	123AP
1063-79	116
1063-3485	233
1063-3493	229
1063-3501	123A
1063-3519	199
1063-3527	184
1063-3535	289A
1063-3543	288
1063-3550	297
1063-3553	109
1063-3568	109
1063-3576	601
1063-3584	142A
1063-3592	1073
1063-3600	801
1063-3618	824
1063-4145	5071A
1063-4806	310
1063-4814	308
1063-4939	1175
1063-5019	797
1063-5142	171
1063-5209	147A
1063-5381	123AP
1063-5399	123AP
1063-5423	159
1063-5431	159
1063-5449	159
1063-5646	292
1063-5688	291
1063-5704	198
1063-6454	5071A
1063-6926	159
1063-7916	171
1063-8369	162
1063-8435	234
1063-8591	109
1063-8963	289A
1063-8971	125
1063-8989	137A
1064(GE)	712
1064(G.E.)	712
1064-5	247
1064-5(Fisher)	247
1064-6	247
1064-6(Fisher)	247
1064-7	247
1064-7(Fisher)	247
1064-9	247
1064-9(Fisher)	247
1064-4417	175
1064-6032	130
1064-6461	85
1064M(Zenith)	159
1065	287
1065(GE)	748A
1065(G.E.)	748A
1065(Fisher)	287
1065-25	1167
1065-2055	1173
1065-4861	7400
1065-6775	140A
1065-9928	116
1065-9936	198
1065-9944	175
1066(TRANS)	159
1067	154
1067(GE)	154
1068-17	237
1068-17A	224
1069(GE)	152
1070	125
1070(Zenith)	51
1070-0623	125
1070-0631	198
1070-4781	533
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1073-6361	552
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1073-CP	74180
1073-CT	941
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1074-24	109
1074-115	199
1074-116	186A
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1074-118	519
1074-119	116
1074-120	139A
1074-121	5015A
1074-122	5072A
1074-123	5013A
1074-124	109
1074-1582	159
1074-7582	159
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1076-5196	159
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1077-2341	177
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1077-2760	109
1077-3760	109
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1077-3802	229
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1079-AM	4017B
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1079-CM	4015B
1079-CN	4543B
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1181-3920	198
1181-4928	4016B
1181-5263	142A
1181-7111	177
1181-7129	1440
1181-7137	1416
1181-7145	712
1181-7152	375
1181-7160	198
1181-7228	198
1183-17	195A
1183-3258	89

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
1183-3266	5021A
1183-3274	558
1183-3282	558
1183-3290	552
1183-3308	5317
1183-3314	552
1183-3316	552
1183-3458	519
1183-3548	519
1183-8216	5027A
1184-5526	1718
1184-8108	1416
1184-8728	1550
1184-9056	23
1184-9064	5021A
1184-9098	116
1184G	129
1184G(GE)	193
1185-0161	1711
1186(GE)	159
1186-5573	552
1186-5581	5031A
1186-5672	1616
1186-5888	1483
1186-5912	1664
1186-5953	5402
1186-5987	157
1186-5995	157
1187	128
1187(GE)	192
1190	165
1191-7840	376
1191-7860	198
1192	102
1192(GE)	712
1192-7837	605A
1192-7845	109
1192-7852	1522
1192-7860	198
1192-7886	152
1192-9288	198
1193(GE)	712
1195-2679	5014A
1195-4455	580
1195-6372	5012A
1195-6380	519
1195-6398	519
1195-6406	552
1195-6414	552
1195-6422	552
1195-6430	5020A
1195-6448	605A
1195-6455	580
1195-6471	5092A
1195-6497	399
1195-6505	85
1195-6513	375
1195-6521	198
1195-6539	399
1195-6547	1669
1195-6562	1550
1195-6570	1416
1195-6893	5018A
1195-6901	157
1195-6943	165
1195-6950	86
1198(Harmon Kardon)	128
1198-4143	290A
1198-4176	399
1198-4200	399
1198-4291	289A
1198-4325	399
1198-4382	519
1198-7686	5013A
1198RS	234
1199-7822	580
1199-7830	5074A
1199-7848	712
1199-7855	1471
1199-7863	159
1199-7871	399
1200	1111§
1200-1913	290A
1200-2093	289A
1200-2184	116
1200-2242	5022A
1200-2358	1674
1200-2440	1553
1200-2531	85
1200-3412	5036A
1200-3430	1373
1200-3448	1650
1200-3463	1658
1200-3497	4052B
1200-3505	40160B
1200-3530	1373
1200-3539	290A
1200-3547	85
1200-3554	157
1200-3588	89
1200-3596	253
1200-3604(SGD)	458
1200-3612	5036A
1200-3620	519
1200-3638	552
1200-3653	5304◆
1200-8336	238
1200-9460	152
1200-9528	519
1200-9585	5009A
1201-4114	116
1201-4148	5074A
1201-4171	552
1201-4205	116
1201-7430	5041A
1201-8156	288
1201-8180	194
1201-8248	5051A
1202(Dig. Trans)	2355
1203	5240A
1203(Dig. Trans)	2357
1203(GE)	123A
1203-169	123A
1203-7362	109
1203-7370	116
1203-7388	5804
1203-7396	580
1203-7412	229
1203-7420	399
1203-7438	123AP
1203-7446	290A
1203-7453	85
1203-7461	152
1203-7479	398
1203-7495	85
1204	5242A
1204(GE)	128
1204(Dig. Trans)	2359
1204-0010	290A
1204-0028	283
1205	116
1205(GE)	123A
1205-7790	5021A
1205-7816	399
1205-7832	1545
1205-7840	399
1205-7845	290A
1205-7873	24
1205-7899	399
1205-7923	552
1206	5247A
1206(GE)	128
1206-17	110MP
1207	5248A
1207(GE)	128
1207-1(RCA)	177
1207-17	109
1207-4543	552
1207-4707	4027B
1207-4758	293
1207-6543	552
1207-6600	519
1207-6634	116
1207-6667	552
1207-6691	5010A
1207-6725	375
1207-6758	293
1207-6782	373
1207-6873	1589
1207-6907	4027B
1207-6931	4053B
1207-6964	374
1207-7673	293
1208	5249A
1208(GE)	123A
1209	5251A
1209-0445	399
1209-3035	5020A
1209-3043	552
1209-5873	399
1209-7143	24
1210	5252A
1210-17	313
1210-17B	123A
1211	5253A
1212	5254A
1212-4	235
1212 (Ross)	177
1213	5255A
1213-6446	177
1214	159
1214-4	235
1214-4945	1545
1214-4952	290A
1214-4978	289A
1214-4986	399
1214-4994	552
1214-5009	552
1214-5017	5012A
1214-5025	125
1217-0544	399
1217-2284	1741
1217-2285	1741
1217-2383	399
1217SK333	311
1222-6684	290A
1222-7104	123AP
1223-2278	552
1224G	123A
1225G	123A
1226G	199
1227-3	107
1227-17	123A
1227G	123A
1228	128
1228-17	123A
1228-4410	1547
1228-4428	85
1228-4451	2302
1228-4469	2302
1228G	128
1229-8170	254
1229-8477	85
1229-8709	5021A
1229-8725	615A
1229-8733	5011A
1229-8766	519
1229G	229
1229H	108
1230	123A
1230G	123A
1232-7300	1373
1232-7409	198
1232-7573	1678
1232-7805	5314
1232-7946	165
1234-1674	1677
1234-5864	85
1234-5880	295
1234-5898	116
1234-5906	552
1234-5914	5029A
1234-5948	1677
1234-5955	40174B
1235-2126	46
1236-3750	159
1236-3776	123A
1237-5473	125
1238-9730	294
1238-9748	552
1238-9755	5010A(4)
1238-9763	290A
1238-9771	375
1239-6545	1650
1239-6552	116
1239-6560	519
1239-7766	4066B
1239-7774	398
1239-7782	290A
1239-7824	552
1239 5752	175
1240-3432	40106B
1240-3440	4528B
1240-3457	4017B
1241-719	126A
1241A	102
1246R(Trans)	290A
1246U(Trans)	290A
1248	102A
1251-1-1	222
1254(GE)	159
1255-2626	5021A
1258	312
1259-4917	1576
1259-5005	4030B
1259-5047	2302
1259-5054	5011A
1259-5062	5013A
1259-5070	519
1259-5096	5010A
1259-5104	5019A
1259-5138	116
1259-5146	580
1259-6516	1140*
1259-6524	1728
1259-6532	1569
1259-6565	85
1259-6581	157
1260	312
1263A	116
1264(GE)	713
1266-0268	123AP
1266-2243	85
1266-2250	186A
1266-2268	123AP
1266-2276	519
1266-2292	375
1266-2300	89
1266-2318	519
1266-2326	142A
1266-2334	5020A
1266-2342	552
1266-2359	552
1266-2367	552
1266-2375	552
1266-2391	116
1266-2417	116
1266-2441	1548◆
1266-2466	1650
1266-23775	552
1269	184
1270-1751	1395
1270-1793	5014A
1270-1801	116
1270-5208	290A
1270-5216	399
1270-5224	85
1270-5232	399
1270-5240	85
1270-5257	2302
1270-5265	552
1270-5273	552
1270-5281	519
1271-2972	376
1272	123A
1274	159
1275-3034	399
1277-17	102A
1278	749
1278(GE)	749
1284	108
1285(GE)	187
1294(GE)	159
1297	198
1300-1	128
1300A	128
1301(MOV)	1V130
1301-1	160
1301-2	160
1302	5111A
1302(MOV)	1V130
1303	5113A
1305	5117A
1306	5120A
1307	5121A
1307H	722
1308	5122A
1309	5124A
1310	5125A
1311	5126A
1312	5127A
1312(Transistor)	123A
1313	5129A
1314	159
1314(GE)	159
1315	123A
1316	123A
1316-17	102A
1317-17	102A
1320	102
1321	165
1321-4051	5995
1321-7724	102
1321-7732	102
1324	291
1326PC	739
1329	102
1330	102
1338	196
1339(GE)	181
1340	100
1341	234
1342	187
1344-3767	101
1344-7321	102
1345(GE)	186
1347	739
1347-17	102A
1348	739
1348A12H01	7417
1348A14H01	7476
1348A30H01	9930
1348A32H01	9932
1348A36H01	9936
1348A44H01	9944
1348A45H01	9945
1348A46H01	9946
1348A62H01	9962
1349-17	103A
1350	100
1351	738
1351G	3054
1352	738
1352G	3063
1353C	1246
1354G	3059
1358-0000-810	69
1358GE	186
1360	102
1361E	3053
1362-17	102A
1362-17A	102A
1362E	3062
1364-17	102A
1364E	3058
1368C/D	123A
1369-6	815
1370	172A
1371	513
1371-17	103A
1371R	3052
1372R	3061
1373-17	233
1373-17A	107
1373-17AL	108
1373R	3065
1374-17	289A
1374-17A	289A
1374-17AC	123A
1374R	3056
1376	550
1376(GE)	550
1376-001	5697
1376-002	5697
1380C	1196
1381Y	3055
1382Y	3064
1384(GE)	196
1384Y	3060
1385(GE)	197
1390	100
1396	101
1399-3	OBS-NLA
1400	100
1402	123A
1402(Dig. Trans)	2414
1402B	123A
1402B(CBE)	123AP
1402C	123A
1402C(CBE)	123AP
1402CD(CBE)	123AP
1402D	123AP
1402E	123AP
1403(Dig. Trans)	2416
1404	233
1404(Dig Trans)	2418
1405-1(RCA)	156
1405-17	116
1410	100
1410-102	177
1410-102(Rogers)	117A
1410-167	116
1410-169	519
1410-169(Rogers)	177
1410-171	109
1411-130	5071A
1411-134	5188AK
1411-135	142A
1411-136	140A
1411-137	137A
1412	123A
1412-1	123A
1412-1-12	123A
1412-1-12-8	123A
1412-161	5962
1412-165	5962
1412-166	5963
1412-170	116
1412-171	5562
1412-177	5452
1412-178	5400
1412-182	5802
1412-189	5802
1412-190	5802(4)
1412-191	116
1413	123A
1413-159	213
1413-160	102
1413-168	179
1413-172	179
1413-175	102
1413-178	121
1414	199
1414-150	466
1414-156	293
1414-157	128
1414-158	159
1414-158(Rogers)	159
1414-162	159
1414-166	123AP
1414-167	289A
1414-169	123AP
1414-172	289A
1414-173	123AP
1414-174	289A
1414-175 (T0-18 CASE)	289A
1414-176	159
1414-179	251
1414-180	243
1414-181	130
1414-183	289A
1414-184	128
1414-185	129
1414-186	128
1414-187	129
1414-188	181
1414-189	128
1414-191	128
1414-192	129
1414-193	388
1414-195	285
1414A	121
1414A-12	121
1414A-12-8	121
1415	123A
1415-050	6508
1415-075	937M
1415-101	997
1415-102	992
1415-106	4013B
1415-108	834
1415-110	4071B
1415-111	4072B
1415-112	4075B
1415-113	4081B
1415-140	74C161
1415-141	74C174
1415-147	4024B
1415-148	4040B
1415-149	4555B
1415-151	7493A
1415-156	7404
1415-158	4049
1415-162	2041§
1415-164	978
1415-176	4514B
1415-181	4015B
1415-182	74C164
1415-200	74LS11
1415-201	7400
1415-202	7401
1415-203	7408
1415-204	74S140
1415-205	4011B
1415-206	74C08
1415-207	4019B
1415-300	7417
1415-306	978
1415-307	2014
1415-350	74C151
1416	128
1417	229
1417-177	105
1418	123A
1420-1-1	107
1420-2-2	161
1424	123A
1424(ECB-GE)	123AP
1428	129
1429W	5011T1
1431-7184	181
1431 8349	123A
1434	291
1436-17	102A
1448	749
1449	160
1451	713
1455-7-4	107
1458	778A
1458(VISCOUNT)	778A
1458CP1	778A
1458P1	778A
1458PJ	778A
1459	102
1461	738
1461(GE)	7493A
1461E	3070
1462	74123
1463	123A
1464E	3071
1465	123A
1465-1	160
1465-1-12	160
1465-1-12-8	160
1465-2	103A
1465-2-12	103A
1465-2-12-8	103A
1465-4	101
1465-4-12	101
1465-4-12-8	101
1465A	160
1465A-12	160
1465A-12-8	160
1465B	126A
1465B-12	126A
1465B-12-8	126A
1465C	121
1465C-12	121
1465C-12-8	121
1466-1	102A
1466-1-12	102A
1466-1-12-8	102A
1466-2	102A
1466-2-12	102A
1466-2-12-8	102A
1466-3	102A
1466-3-12	102A
1466-3-12-8	102A
1471-4356	9936
1471-4364	9946
1471-4372	9962
1471-4380	9930
1471-4398	9944
1471-4406	910
1471-4414	726
1471-4729	5995
1471-4778	123A
1471-4802	130
1471-9860	9936
1471R	3068
1472 8349	199
1473	159
1473-2	123AP
1473-4255	128
1474-3	100
1474-3-12	100
1474-3-12-8	100
1474-3736	911
1474R	3069
1476-17	102A
1476-17-6	102A
1476 1118	128
1477-3352	906
1477-3436	904
1477A	105
1477A-12	105
1477A-12-8	105
1477B	121MP
1477B-12	121MP
1477B-12-8	121MP
1477C	121MP
1477C-12	121MP
1477C-12-8	121MP
1478-6982	9112§
1479-0224	9937
1479-0240	74H00
1479-0257	74H21
1479-0265	74H20
1479-0273	941
1479-7971	74H04
1479-8011	923
1479-8029	159
1479 7963	199
1479 7989	123A
1481	159
1482	123A
1482-17	195A
1483	128
1483(MAG)	194
1483(MAG-Diode)	506
1484A	121
1484A-12	121
1484A-12-8	121
1485-9896	9135
1486	152
1486-8780	74H10
1487	154
1487-17	195A
1488(Sears)	116
1488B	160
1488B-12	160
1488B-12-8	160
1488C	100
1488C-12	100
1488C-12-8	100
1489-17	109
1492-1	105
1492-1-12	105
1492-1-12-8	105
1493	159
1493-17	123A
1494	159
1501	229
1501(MOV)	1V150
1501-17	123A
1502	233
1502(MOV)	1V150
1502A	233
1502B	233
1502C	123AP
1502D	233
1502E(EBC)	229
1505-9850	124
1507-7183	175
1510	5184AK
1510-2718	102
1512	109
1514-038984	5802
1515(PNP)	101
1515(NPN)	199
1519	154
1521B	218
1522	790
1524	123
1526	160
1527-5282	9932
1527-5308	9945
1534-8931	175
1539(GE)	840
1540	123A
1540(GE)	7475
1542	74145
1543-00	519
1548-17	175
1550	109
1550-17	143A
1553-17	159
1556W	5010T1
1559	5635
1559-17	121
1559-17A	121
1561-0408	181
1561-0410	181
1561-0608	181
1561-0610	181
1561-0615	181
1561-0808	181
1561-0810	181
1561-0815	181
1561-17	121
1561-1008	181
1561-1010	181
1561-1015	181
1562	116
1567	123A
1567(Scott)	373
1567-0	123A
1567-2	123A
1572	196
1573-00	128
1573-01	128
1573PQ	287
1574-01	234
1582	159
1583	116
1583(SAVILLE)	116
1585H	107
1601PDK60	6116
1601PDK80	6118
1601PDK100	6118
1601PDK120	6118
1602	290A
1602D	159
1602E(ECB)	159
1607A80	7406
1609	165
1611-17	116
1612SK24E	312
1612SK41F	451
1615C	113A
1616C	114
1617C	115
1618	152
1627-1413	9110§
1627-2064	9093
1627 1843	177
1628-1(RCA)	610
1631	123A
1634-17	313
1634-17-14A	108
1643(IC)	960
1667(Scott)	130
1673-0475	128
1674-17	116
1676-1991	128
1677-1149	923D
1678	384
1679 7391	159
1687-17	107
1688	128
1689	199
1689-2	199
1689-3	199
1689-4	199
1695P2(GE)	339
1699-17	177
1700-5182	903
1702	123AP
1702K	123AP
1702M	123AP
1702M(CBE)	123AP
1702MN0(CBE)	123AP
1702N	123AP
1702-O(CBE)	123AP
1703	130
1703-8662	519
1705-4834	123A
1705-5351	128
1710	289A
1710(GE)	152
1711	123A
1711-17	123A
1711MC	123A
1712-17	123A
1713-17	116

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
1714-0402	175
1714-0602	175
1714-0605	175
1714-0802	175
1714-0805	175
1714-1002	175
1714-1005	175
1716-2(RCA-IC)	850
1716-2(RCA)	850
1718	612
1719-1(RCA)	2024
1719-1(RCA-IC)	2024
1721-0725	218
1723-0405	327
1723-0410	327
1723-0605	327
1723-0610	327
1723-0805	327
1723-0810	327
1723-17	123A
1723-1005	327
1723-1010	327
1723-1205	327
1723-1210	327
1723-1405	327
1723-1410	327
1723-1605	327
1723-1610	327
1723-1805	181
1723-1810	181
1729-7284	923
1735R	3065
1737R	3061
1738R	3056
1741	123A
1741(SAVILLE)	192A
1741-0051	7400
1741-0069	74H00
1741-0085	7401
1741-0119	7402
1741-0143	7404
1741-0150	74H04
1741-0176	7405
1741-0184	74H05
1741-0200	7408
1741-0234	7410
1741-0242	74H10
1741-0275	74H11
1741-0291	7417
1741-0325	7420
1741-0333	74H20
1741-0366	74H22
1741-0416	7430
1741-0424	74H30
1741-0440	7437
1741-0473	7440
1741-0481	74H40
1741-0564	7451
1741-0572	74H51
1741-0598	7453
1741-0606	74H53
1741-0622	7454
1741-0630	74H54
1741-0663	74H55
1741-0689	7460
1741-0697	74H60
1741-0721	74H74
1741-0747	7475
1741-0770	7483
1741-0804	7486
1741-0895	7493A
1741-0952	7495
1741-1018	74107
1741-1042	74150
1741-1075	74151
1741-1133	7411
1741-1190	7441
1741-1224	7442
1741-1257	74121
1741-1299	74H21
1741-1323	74H183
1741-1349	74180
1741-1380	74H52
1743-0610	327
1743-0630	327
1743-0820	327
1743-1010	327
1743-1030	327
1743-1220	327
1743-1410	327
1743-1420	327
1743-1430	327
1743-1620	327
1743-1810	387
1750(BENDIX)	179
1750-103	177
1751-17	199
1751G036	123A
1754-003(RCA)	987
1754-3(RCA)	987
1755A	138A
1755A-F	138A
1756-001(RCA)	1545
1756-1(RCA)	1545
1756-17	177
1758-1	846
1761-17	108
1763-0415	181
1763-0420	181
1763-0425	181
1763-0615	181
1763-0620	181
1763-0625	181
1763-0815	181
1763-0825	181
1763-2(RCA-IC)	923D
1763-1015	181
1763-1020	181
1763-1025	181
1763-1215	181
1763-1220	181
1763-1225	181
1763-1415	181
1763-1420	181
1763-1425	181
1764-1(RCA)	912
1766	142A
1777-17	102A
1778-17	109
1787R	3078
1788R	3079
1789-17	128
1792-17	108
1794-17	139A
1798-1(RCA)	108
1799-17	123A
1800	9924§
1800-17	123A
1800DC	9800
1800PC	9800
1801	161
1801DC	9801
1801PC	9801
1802DC	9802
1802L	294
1802M	159
1802M(CBE)	294
1802N	294
1802PC	9802
1803DC	9803
1803PC	9803
1804	OBS-NLA
1804-17	154
1804DC	9804
1804PC	9804
1805	7401
1805DC	9805
1805PC	9805
1806	7404
1806-17	130
1806-17A	130
1806DC	9806
1806PC	9806
1807	7442
1807DC	9807
1807PC	9807
1808	7490
1808DC	9808
1808PC	9808
1809(Diode)	177
1809(IC)	OBS-NLA
1809DC	9809
1809PC	9809
1810DC	9810
1811-110-10111	112
1811-110-10118	119
1811-110-10191	118
1811DC	9811
1811PC	9811
1812-1	123A
1812-1-12	123A
1812-1-127	123A
1812-1L	123A
1812-1L8	123A
1812DC	9812
1812PC	9812
1813-0015	109
1813DC	9813
1813PC	9813
1814A	121
1814A-12	121
1814A-127	121
1814AL	121
1814AL-8	121
1814DC	9814
1814PC	9814
1818	177
1818(I.C.)	OBS-NLA
1820	OBS-NLA
1820-0047	903
1820-0051	703
1820-0054	7400
1820-0055	7490
1820-0056	7492
1820-0058	909
1820-0063	7451
1820-0065	7470
1820-0068	7410
1820-0069	7420
1820-0070	7430
1820-0071	7440
1820-0072	7450
1820-0074	7454
1820-0075	7473
1820-0076	7476
1820-0077	7474
1820-0084	7453
1820-0085	7460
1820-0087	9950
1820-0088	9951
1820-0094	9946
1820-0095	9948
1820-0096	9932
1820-0099	7493A
1820-0100	7441
1820-0104	1171
1820-0111	8301
1820-0122	9093
1820-0125	911
1820-0128	9937
1820-0137	724
1820-0138	5874
1820-0141	74H08
1820-0174	7404
1820-0175	7405
1820-0192	901
1820-0196	923
1820-0204	74H11
1820-0207	9601
1820-0216-1	941M
1820-0217-1	941M
1820-0218	5454
1820-0223	1171
1820-0231	8316
1820-0233	74193
1820-0238	9810
1820-0240	906
1820-0242	1171
1820-0247	1928
1820-0248	909
1820-0256	9158
1820-0257	9157
1820-0258	9099
1820-0259	9935
1820-0261	74121
1820-0262	74165
1820-0269	7403
1820-0270	923
1820-0273	9806
1820-0274	9808
1820-0281	74107
1820-0282	7486
1820-0287	9672
1820-0288	9662
1820-0294	74164
1820-0297	900
1820-0298	784
1820-0301	7475
1820-0304	7472
1820-0305	7483
1820-0306	724
1820-0307	9936
1820-0310	9962
1820-0321	910
1820-0323	9989
1820-0324	9924§
1820-0326	908
1820-0327	7401
1820-0328	7402
1820-0341	9094
1820-0346	9936
1820-0348	9944
1820-0349	9949
1820-0351	9963
1820-0352	904
1820-0362	7480
1820-0363	7482
1820-0364	7491
1820-0366	7494
1820-0367	7495
1820-0368	7496
1820-0370	74H00
1820-0371	74H01
1820-0372	74H11
1820-0373	74H21
1820-0375	74H30
1820-0376	74H40
1820-0377	74H50
1820-0378	74H51
1820-0379	74H52
1820-0380	74H53
1820-0381	74H54
1820-0382	74H55
1820-0383	74H60
1820-0384	74H61
1820-0385	74H62
1820-0386	74H71
1820-0387	74H72
1820-0391	74H73
1820-0398	910D
1820-0411	OBS-NLA
1820-0418	9812
1820-0424	74H04
1820-0427	793
1820-0430	309K
1820-0435	74180
1820-0439	718
1820-0441	9801
1820-0451	74S113
1820-0454	9805
1820-0468	7475
1820-0469	74H102
1820-0471	7406
1820-0474	726
1820-0476	915
1820-0477	975
1820-0479	9935
1820-0491	74145
1820-0493	976
1820-0495	7411
1820-0511	7408
1820-0512	74H74
1820-0513	7409
1820-0514	7426
1820-0516	9112§
1820-0538	7423
1820-0539	7437
1820-0544	74H103
1820-0546	74192
1820-0577	7416
1820-0579	74123
1820-0605	74H01
1820-0606	74181
1820-0611	74132
1820-0613	74H05
1820-0615	9931
1820-0618	7417
1820-0619	74H22
1820-0620	74153
1820-0621	7438
1820-0628	7489
1820-0629	74S112
1820-0631	74H108
1820-0640	74150
1820-0655	7425
1820-0661	7432
1820-0665	9814
1820-0668	7407
1820-0681	74S00
1820-0682	74S03
1820-0686	74S11
1820-0687	74S15
1820-0688	74S20
1820-0689	74S22
1820-0690	74S40
1820-0691	74S64
1820-0692	74S65
1820-0693	74S74
1820-0694	74S86
1820-0695	74S113
1820-0696	74S114
1820-0704	74122
1820-0707	74141
1820-0713	74163
1820-0715	74H106
1820-0716	74161
1820-0726	74199
1820-0734	74190
1820-0738	74155
1820-0739	74H101
1820-0740	74H87
1820-0744	7497
1820-0751	74196
1820-0752	74H76
1820-0765	74197
1820-0782	7427
1820-0788	74174
1820-0839	74175
1820-0841	74H86
1820-0844	4025B
1820-0847	74H183
1820-0861	9946
1820-0862	9948
1820-0863	9158
1820-0864	7403
1820-0865	9944
1820-0866	9949
1820-0869	9935
1820-0870	7408
1820-0894	7404
1820-0899	74160
1820-0910	74LS83A
1820-0921	7485
1820-0927	4028B
1820-0931	4029B
1820-0933	4017B
1820-0935	4020B
1820-0936	4024B
1820-0937	4040B
1820-0938	4027B
1820-0939	4013B
1820-0942	4000
1820-0943	4023B
1820-0946	4001B
1820-0947	4030B
1820-0948	4002B
1820-0949	4011B
1820-0950	4012B
1820-0951	4019B
1820-0958	4042B
1820-0961	4021B
1820-0965	9800
1820-0970	4014B
1820-0976	4015B
1820-0978	4007
1820-0979	4049
1820-0981	4016B
1820-0995	7447
1820-1004	7404
1820-1006	164
1820-1015	74S158
1820-1032	74198
1820-1037	7446
1820-1038	7448
1820-1042	74165
1820-1046	74156
1820-1053	7414
1820-1056	74132
1820-1064	74164
1820-1068	74H30
1820-1074	74128
1820-1076	74S174
1820-1077	74S157
1820-1107	74166
1820-1110	722
1820-1111	7440
1820-1112	74LS74A
1820-1116	74109
1820-1124	7433
1820-1130	74S133
1820-1145	4049
1820-1146	4050B
1820-1158	74S51
1820-1164	74H106
1820-1172	7416
1820-1184	7425
1820-1185	74162
1821-0001	912
1821-0002	912
1826-0009	925
1826-001(RCA)	4052B
1826-0010	923
1826-0029	708
1826-0044	725
1826-0049	923D
1826-0055	911D
1826-0070	941D
1826-0075	914
1826-0138	834
1826-0166	910
1826-0346	928M
1826-1(RCA)	4052B
1827-17	102A
1835-17	199
1837-001(RCA)	1576
1837-1(RCA)	1576
1839-1(RCA)	612
1839-5(RCA)	612
1840-17	131
1841-17	123A
1843-17	161
1844-17	159
1845-17	161
1846-17	177
1848-17	116
1849	116
1849R	116(2)
1850	116(2)
1850(ROLAND)	116(2)
1850-0003	160
1850-0006	101
1850-0017	102
1850-0019	100
1850-0020	160
1850-0021	105
1850-0027	160
1850-0031	102
1850-0032	102A
1850-0037	160
1850-0040	102
1850-0040-1	102
1850-0041	160
1850-0047	100
1850-0048	102
1850-0049	102
1850-0051	126A
1850-0052	100
1850-0054	102
1850-0060	102
1850-0062	102
1850-0062-1	102
1850-0064	176
1850-0065	102
1850-0066	160
1850-0067	160
1850-0070	102
1850-0073	126A
1850-0074	126A
1850-0075	160
1850-0082	121
1850-0087	121
1850-0090	176
1850-0091	160
1850-0093	126A
1850-0094	121
1850-0095	121
1850-0096	160
1850-0099	160
1850-0101	102
1850-0103	160
1850-0108	105
1850-0109	102
1850-0110	126A
1850-0111	102
1850-0112	102A
1850-0113	100
1850-0114	121
1850-0119	160
1850-0124	102
1850-0126	121
1850-0127	100
1850-0129	121
1850-0132	120
1850-0137	160
1850-0139	102
1850-0140	5483
1850-0145	102A
1850-0146	104
1850-0150	105
1850-0151	100
1850-0154	102
1850-0158	160
1850-0160	104
1850-0166	160
1850-0170	102
1850-0172	160
1850-0173	158
1850-0178	176
1850-0180	102
1850-0182	102
1850-0184	102
1850-0184-1	102
1850-0185	121
1850-0190	104
1850-0192	121
1850-0194	105
1850-0195	105
1850-0199	160
1850-0200	102
1850-0402	104
1850-0403	121
1850-0404	158
1850-0405	121
1850-0406	104
1850-0412	102
1850-0416	126A
1850-0417	100
1850-0418	100
1850-0419	102
1850-0437	121
1850-0438	160
1850-17	159
1850-1098	213
1850R	116(2)
1850R(ROLAND)	116(2)
1851-0017	101
1851-0025	101
1851-0031	101
1851-0034	101
1851-0038	101
1851-0041	103A
1851-17	117A
1852-17	108
1853-0001-1	159
1853-0006	129
1853-0007	159
1853-0008	159
1853-0012	129
1853-0013	129
1853-0014	106
1853-0015	159
1853-0016	159
1853-0019	159
1853-0023	159
1853-0029	159
1853-0031	219
1853-0033	159
1853-0036	159
1853-0039	159
1853-0041	129
1853-0045	129
1853-0046	159
1853-0051	129
1853-0057	159
1853-0058	159
1853-0059	219
1853-0062	129
1853-0066	159
1853-0069	106
1853-0071	129
1853-0072	106
1853-0076	106
1853-0077	159
1853-0081	159
1853-0084	185
1853-0086	159
1853-0089	159
1853-0098	159
1853-0100	159
1853-0204	185
1853-0205	159
1853-0206	129
1853-0212	185
1853-0213	129
1853-0215	129
1853-0222	185
1853-0223	218
1853-0236	185
1853-0258	106
1853-0264	288
1853-0280	185
1853-0281	159
1853-0285	159
1853-0310	180
1853-0311	219
1853-0314	139A
1853-0320	129
1853-0322	159
1853-0323	218
1853-0327	159
1853-0328	162
1853-0340	180
1853-0344	285
1853-0349	128
1853-0351	244
1853-0362	244
1854-0003	123A
1854-0004	108
1854-0005	123A
1854-0006	108
1854-0009	108
1854-0010	108
1854-0011	123A
1854-0013	123
1854-0017	108
1854-0021	108
1854-0022-1	128
1854-0027	123A
1854-0029	108
1854-0032	123A
1854-0033	123A
1854-0036	123A
1854-0039	128
1854-0048	316
1854-0050	108
1854-0053	123
1854-0057	107
1854-0063	181
1854-0064	123A
1854-0066	123A
1854-0067	128
1854-0072	175
1854-0076	121
1854-0081	123A
1854-0084	130
1854-0087	123A
1854-0090	128
1854-0090-1	128
1854-0092	229
1854-0093	123A
1854-0094	123A
1854-0098	123A
1854-0099	123A
1854-0201	123A
1854-0202	123A
1854-0203	123A
1854-0209	128
1854-0210	123A
1854-0211	123A
1854-0212	128
1854-0215	123A
1854-0216	286
1854-0217	284
1854-0218	123A
1854-0219	107
1854-0233	311
1854-0234	124
1854-0237	124
1854-0238	108
1854-0242	128
1854-0245	181
1854-0246	123A
1854-0252	130
1854-0255	128
1854-0259	175
1854-0260	108
1854-0263	128
1854-0264	130
1854-0265	175
1854-0274	128
1854-0278	123A
1854-0281	128
1854-0282	286
1854-0287	123A
1854-0301	123A
1854-0304	123A
1854-0311	124
1854-0313	181
1854-0315	108
1854-0323	316
1854-0324	124
1854-0325	316
1854-0327	123A
1854-0332	128
1854-0345	316
1854-0352	282§
1854-0353	123A
1854-0359	128
1854-0363	282§
1854-0365	154
1854-0368	184
1854-0370	152
1854-0371	123A
1854-0378	278
1854-0379	124
1854-0382	280
1854-0384	154
1854-0387	199
1854-0389	184
1854-0390	161
1854-0392	199
1854-0397	108
1854-0398	181
1854-0399	175
1854-0409	123A
1854-0417	107
1854-0418	229
1854-0431	316
1854-0432	123A
1854-0438-1	124
1854-0453	184
1854-0454	196
1854-0467	123A
1854-0474	287
1854-0476	159
1854-0478	311
1854-0490-1	181
1854-0498	128
1854-0519	181
1854-0534	163A
1854-0556	128
1854-0563	130
1854-0570	282§
1854-0572	283
1854-0576	181
1854-0577	284
1854-0590	175
1854-0600	175
1854-0611	243
1854-0623	283
1854-0624	283
1854-0637	123A
1854-0643	124
1854-17	116
1854-SRK1-1	199
1855-0005	312
1855-0010	6401
1855-0027	6409
1855-0040	312
1855-0055	312
1855-0081	312
1855-0099	6409
1855-0204	6409
1855-0305	312
1855-0306	220
1855-0314	6402
1855-0327	312
1855-0332	312
1855-0357	220
1855-17	116
1858	101
1858-0004	906
1858-0019	917
1858-0023	916
1858A	139A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
1859-14	121
1859-16	121
1859-17	312
1859R	116
1860(Scott)	289A
1865-1	160
1865-1-12	160
1865-1-127	160
1865-1L	160
1865-2	103A
1865-2-12	103A
1865-2L	103A
1865-2L8	103A
1865-4	101
1865-4-12	101
1865-4-127	101
1865-4L	101
1865-4L8	101
1865A	160
1865A-12	160
1865A-127	160
1865AL8	160
1865B	126A
1865B-12	126A
1865B-127	126A
1865BL	126A
1865BL8	126A
1865C	121
1865C-12	121
1865C-127	121
1865CL	121
1865CL8	121
1866-1	102A
1866-1-12	102A
1866-1-127	102A
1866-1L	102A
1866-1L8	102A
1866-2	102A
1866-2-12	102A
1866-2-127	102A
1866-2L	102A
1866-2L8	102A
1866-3	102A
1866-3-12	102A
1866-3-127	102A
1866-3L	102A
1866-3L8	102A
1866-17	123A
1867-17	159
1872-006(RCA)	177
1872-008(RCA)	177
1872-010(RCA)	177
1872-024(RCA)	177
1872-1(RCA)	177
1872-2(RCA)	177
1872-3	177
1872-3(RCA)	177
1872-4(RCA)	177
1872-5(RCA)	177
1872-6	177
1872-6(RCA)	177
1872-7(RCA)	177
1872-8(RCA)	177
1872-10(RCA)	177
1872-11(RCA)	109
1872-12(RCA)	177
1872-13(RCA)	177
1872-14(RCA)	177
1872-15(RCA)	109
1872-16(RCA)	177
1872-17(RCA)	109
1872-18(RCA)	177
1872-19(RCA)	109
1872-24(RCA)	177
1872-29(RCA)	177
1874-3	100
1874-3-12	100
1874-3-127	100
1874-3L	100
1874-3L8	100
1877A	105
1877A-12	105
1877A-127	105
1877AL	105
1877AL8	105
1877B	121MP
1877B-12	121MP
1877B-127	121MP
1877BL	121MP
1877BL8	121MP
1877C	121MP
1877C-12	121MP
1877C-127	121MP
1877CL	121MP
1877CL8	121MP
1878-3(RCA)	137A
1879-17	123A
1879-17A	128
1880-17	108
1881-17	108
1882-17	123A
1883-17	123A
1884-0002	5524
1884-0010	5483
1884-0015	5524
1884-0016	5527
1884-0022	5485
1884-0027	5481
1884-0028	5483
1884-0051	5504
1884-0066	160
1884-0074	5400
1884-0080	5695
1884-0082	5442
1884-0088	5511
1884-0091	6404
1884-0201	5401
1884-0209	5695
1884-0211	5529
1884-0213	5442
1884-0218	5697
1884-0219	5547
1884-17	123A
1884A	121
1884A-12	121
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1888B-127	160
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1892-1-12	105
1892-1-127	105
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1901-0060	5834
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2017-117	123A
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2057A100-48	158
2057A100-49	184
2057A100-50	186 +187(CP)
2057A100-51	159
2057A100-53	107
2057A100-55	102A
2057A100-62	294 +293(CP)
2057A100-66	185 +184(CP)
2057A100-67	297
2057A100-69	290A +289A(CP)
2057A100-72	297
2057A-120	108
2057A-429	108
2057B0-3	103A +102A(CP)
2057B2-4	102
2057B2-14	108
2057B2-23	102A
2057B2-28	102A
2057B2-29	102A
2057B2-32	102
2057B2-34	102
2057B2-35	126A
2057B2-37	126A
2057B2-38	123A
2057B2-41	126A
2057B2-42	126A
2057B2-43	102
2057B2-44	102
2057B2-45	102
2057B2-46	103
2057B2-47	124
2057B2-48	126A
2057B2-49	102
2057B2-50	126A
2057B2-51	126A
2057B2-52	102A
2057B2-57	102
2057B2-58	124
2057B2-59	123
2057B2-60	126A
2057B2-61	158
2057B2-62	123A
2057B2-63	123
2057B2-64	108
2057B2-65	126A
2057B2-66	126A
2057B2-67	126A
2057B2-68	126A
2057B2-69	123A
2057B2-70	126A
2057B2-71	126A
2057B2-72	102
2057B2-73	123
2057B2-77	126A
2057B2-78	102
2057B2-79	126A
2057B2-80	126A
2057B2-81	126A
2057B2-83	102
2057B2-84	124
2057B2-85	108
2057B2-86	102
2057B2-87	108
2057B2-88	126A
2057B2-89	160
2057B2-90	160
2057B2-93	160
2057B2-94	102A
2057B2-97	123A
2057B2-99	102A
2057B2-101	107
2057B2-102	107
2057B2-103	108
2057B2-104	126A
2057B2-105	126A
2057B2-107	102A
2057B2-108	108
2057B2-109	108
2057B2-110	108
2057B2-111	108
2057B2-112	108
2057B2-113	123A
2057B2-114	107
2057B2-115	107
2057B2-116	107
2057B2-117	107
2057B2-118	126A
2057B2-119	108
2057B2-120	108
2057B2-121	123A
2057B2-122	123A
2057B2-123	123A
2057B2-124	102A
2057B2-125	107
2057B2-127	108
2057B2-128	108
2057B2-129	102A
2057B2-130	123A
2057B2-133	121
2057B2-134	127
2057B2-135	102A
2057B2-136	127
2057B2-137	102A
2057B2-138	161
2057B2-139	161
2057B2-140	154
2057B2-141	126A
2057B2-142	102A
2057B2-143	107
2057B2-149	160
2057B2-150	153
2057B2-151	152
2057B2-152	123A
2057B2-153	123A
2057B2-154	123A
2057B2-155	123A
2057B2-157	160
2057B2-158	160
2057B2-159	160
2057B2-160	108
2057B2-161	108
2057B2-162	108
2057B2-192	161
2057B2-206	102A
2057B2A2-118	160
2057B45-14	102A
2057B-59	199
2057B-84	124
2057B-85	123A
2057B100-1	102A
2057B100-3	103A +102A(CP)
2057B100-4	103A
2057B100-5	103A +102A(CP)
2057B100-6	102A
2057B100-8	102A
2057B100-9	102A
2057B100-11	131
2057B100-12	108
2057B100-13	102A
2057B100-16	130MP
2057B100-17	128
2057B101-4	123A
2057B102-4	123A
2057B103-4	123A
2057B104-8	154
2057B106-12	159
2057B107-8	128
2057B108-6	159
2057B109-9	128
2057B110-9	129
2057B111-9	129 +128(CP)
2057B112-9	129
2057B-113	108
2057B113-9	128
2057B114-9	129
2057B115-9	129
2057B116-9	129
2057B117-9	123A
2057B118-12	123A
2057B119-2	123A
2057B120-12	123A
2057B121-9	129
2057B122-9	129
2057B123-10	124
2057B124-10	121
2057B125-9	123A
2057B126-12	128
2057B129-9	128
2057B141-4	123A
2057B142-4	123A
2057B143-12	123A
2057B144-12	128
2057B145-12	129
2057B146-12	123A
2057B147-12	159
2057B149-12	312
2057B151-6	123A
2057B152-12	123A
2057B153-9	128
2057B155-10	175
2057B156-9	128
2057B157-9	162
2057B158-10	175
2057B159-12	159
2057B163-12	129
2057B168	102A
2057B169	102A
2057B175-9	162
2057B186	160
2057B206	102A
2058	126A
2058-02	312
2058-03	5015A
2058-1	183
2058-5(Fisher)	183
2058-38	977
2058-39	612
2059-09	85
2059-5	197
2059-5(Fisher)	197
2060	5924
2060-024	116
2060-7	180
2061-1	783
2061-31	229
2061-42	977
2061-44	177
2061-45	614
2061-47	960
2061A45-38	177
2061A45-47	102
2061A45-72	116
2061A45-93	177
2061B45-14	158
2061B45-35	116
2062-1	159
2062-1(Fisher)	159
2062-6	129
2062-6(Fisher)	129
2062-17	237
2062-17A	237
2063-1	159
2063-1(Fisher)	159
2063-5	159
2063-5(Fisher)	159
2063-6	159
2063-6(Fisher)	159
2063-8	159
2063-8(Fisher)	159
2063-17	199
2063-17-12	123A
2064(Crown)	123A
2064-5	248
2064-5(Fisher)	248
2064-6	248
2064-6(Fisher)	248
2064-7	248
2064-7(Fisher)	248
2064-8	248
2064-9	248
2064-9(Fisher)	248
2064-17	5072A
2065	288
2065(Fisher)	288
2065-02	199
2065-03	123A
2065-04	229
2065-05	295
2065-06	235
2065-07	295
2065-08	519
2065-0151-23010	788
2065-0743-35012	1217
2065-0824-10110	1183
2065-17	177
2065-25	977
2065-51	4011B
2065-52	977
2065-53	1198
2065-54	199
2065-55	454
2065-6900-04310	1325
2066-17	177
2067-1	715
2069-1	715
2070	5928
2071	181
2074-17	312
2075-1	801
2076	177
2076-1	742
2076-107	109
2077-1	788
2079-01	293
2079-02	108
2079-03	295
2079-04	235
2079-05	177
2079-06	125
2079-39	614
2079-40	221
2079-42	5072A
2079-92	1166
2079-93	139A
2079-106	107
2079-107	109
2080	5928
2081-6	153
2081-17	186A
2082-6	152
2083-41	109
2083-41(Fisher)	109
2083-42	109
2083-42(Fisher)	109
2083-44	601
2083-44(Fisher)	601
2083-70	453
2083-70(Fisher)	453
2083-71	313
2083-71(Fisher)	313
2083-72	313
2083-72(Fisher)	313
2083-73	313
2083-73(Fisher)	313
2083-74	313
2083-74(Fisher)	313
2083-75	102
2083-75(Fisher)	102
2084-17	125
2085-17	184
2086-12	293
2087-46	139A
2090(Crown)	154
2090A43-1	112
2090A53-2	120
2091-02	1081A
2091-03	295
2091-49	1006
2091-50	1005
2091-51	199
2093-27	7400
2093A2-289	108
2093A3D-2	117A
2093A3D-20	131
2093A4-2	117A
2093A5-2	114
2093A5-10	113A
2093A6-1	117A
2093A6-2	117A
2093A8-1	109
2093A9-3	100
2093A9-4	100
2093A12-1	116
2093A25-3	109
2093A33-1	109
2093A38-1	109
2093A38-5	109
2093A38-10	109
2093A38-11	177
2093A38-13	116
2093A38-14	109
2093A38-15	109
2093A38-21	109
2093A38-22	110MP
2093A38-23	102
2093A38-24	128
2093A38-27	109
2093A38-28	116
2093A38-30	109
2093A38-31	109
2093A38-32	109
2093A38-33	109
2093A38-34	109
2093A38-35	110MP
2093A38-37	177
2093A38-40	109
2093A39-12	142A
2093A41	109
2093A41-2	109
2093A41-6	125
2093A41-14	109
2093A41-16	139A
2093A41-24	139A
2093A41-24A	139A
2093A41-29	110MP
2093A41-38	109
2093A41-40	102
2093A41-41	102
2093A41-42	125
2093A41-43	125
2093A41-45	116
2093A41-49	116
2093A41-50	109
2093A41-51	116
2093A41-53	138A
2093A41-54	116
2093A41-55	116
2093A41-56	142A
2093A41-57	116
2093A41-58	115
2093A41-59	109
2093A41-62	116
2093A41-63	135A
2093A41-65	125
2093A41-66	116
2093A41-67	506
2093A41-68	109
2093A41-69	506
2093A41-70	5071A
2093A41-72	506
2093A41-73	506
2093A41-74	503
2093A41-75	116
2093A41-76	177
2093A41-77	125
2093A41-78	116
2093A41-81	116
2093A41-82	5022A
2093A41-86	116
2093A41-87	158
2093A41-88	116
2093A41-89	116
2093A41-90	135A
2093A41-92	109
2093A41-96	506
2093A41-102	177
2093A41-103	116
2093A41-104	116
2093A41-105	177
2093A41-108	116
2093A41-110	116
2093A41-112	167
2093A41-113	143A
2093A41-115	116
2093A41-116	116
2093A41-125	139A
2093A41-126	116
2093A41-129	177
2093A41-131	116
2093A41-139	116
2093A41-141	109
2093A41-148	109
2093A41-150	150A
2093A41-151	116
2093A41-152	116
2093A41-153	5070A
2093A41-154	109
2093A41-155	177
2093A41-158	177
2093A41-159	139A
2093A41-163	139A
2093A41-164	177
2093A41-165	177
2093A41-167	109
2093A41-169	109
2093A41-171	177
2093A41-172	177
2093A41-173	116
2093A41-181	109
2093A41-182	116
2093A41-185	116
2093A41-186	139A
2093A41-187	109
2093A41-189	116
2093A41-194	135A
2093A41-196	109
2093A41-197	116
2093A42-2	116
2093A43-2	112
2093A52-1	125
2093A57-1	118
2093A59-1	112
2093A69-1	125
2093A71-1	125
2093A75-1	120
2093A77-1	109
2093A78-1	125
2093A79-6	125
2093A80-1	142A
2093B4-6	116
2093B11-21	110MP
2093B38-4	177
2093B38-9	112
2093B38-14	116
2093B41-6	116
2093B41-8	116
2093B41-9	116
2093B41-10	116
2093B41-11	109
2093B41-12	116
2093B41-18	116
2093B41-20	116
2093B41-21	116
2093B41-22	116
2093B41-24	139A
2093B41-28	116
2093B41-29	110MP
2093B41-34	116
2093B41-35	116
2093B41-37	116
2095-05	454
2095-06	601
2095-08	5313
2101	199
2101-03	177
2102	116
2102(RAM)	2102
2102-05	1262
2102-07	1249
2102-09	1271
2102-010	109
2102-014	116
2102-017	116
2102-025	109
2102-028	109
2102-029	178MP
2102-031	614
2102-032	139A
2102-033	136A
2102-074	116
2102-11	453
2102-12	295
2102-14	289A
2102-15	152
2102-16	236
2102-17	610
2102-20	601
2102-21	605A
2102A	2102
2102A-4	2102
2102A-6	2102
2102AN-4L	2102
2102F	2102
2102FC	2102
2102FDC	2102
2102FPC	2102
2103-13	289A
2104(RAM)	2104
2104A	2104
2104A-2	2104
2104A-3	2104
2104A-4	2104
2106-17	5070A
2106-119	102A
2106-120	160
2106-121	102A
2106-122	102A
2106-123	102A
2106-124	109
2107(RAM)	2107
2107A(RAM)	2107
2107B(RAM)	2107
2107C(RAM)	2107
2109-101-5304	1410
2109-103-2006	712
2110	5916
2110N-41	177
2110N-42	116
2110N-132	161
2110N-133	161
2110N-134	175
2112-17	102A
2113	113A
2114(RAM)	2114
2114-0	154
2114-2	2114
2114-3	2114
2114-17	158
2114-30L(RAM)	2114
2114A-3	2114
2114B	2114
2114B-2	2114
2114BCA	2114
2114BCB	2114
2114BCE	2114
2114C	2114
2114C-3	2114
2114C-3CA	2114
2114C-3CB	2114
2114C-3E	2114
2114CCA	2114
2114CCB	2114
2114CCE	2114
2114DC-3	2114
2114L-30	2114
2114PC-3	2114
2115	5916
2115R	5917
2116-17	116
2117(RAM)	2117
2119-101-090	1196
2119-101-0500	712
2119-101-100	1046
2119-101-1204	1004
2119-101-1301	1128
2119-101-1408	1134
2119-101-1602	1196
2119-101-4306	1236
2119-101-5107	1440
2119-101-5204	1410
2119-101-9709	1547
2119-102-5100	1440
2119-102-5401	1299
2119-103-0603	615A
2119-201-0208	1441
2119-201-0907	1214
2119-202-0803	1140
2119-202-1701	1484
2119-203-4000	1515
2119-204-050	1162
2119-204-060	1168
2119-401-0303	4558B
2120-17	5075A
2121-17	199
2122-3	172A
2122-17	109
2125	5920
2127-17	229
2128(RAM)	2128
2128-3(RAM)	2128
2128-4(RAM)	2128
2130	5920
2132	186
2132(GE)	123A
2132-17	199

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

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2134-17	313
2135	5920
2135E	735
2136	737§
2136D	737§
2136P	737§
2136PC	737§
2136Pc	737§
2139-101-4005	159
2139-101-4102	290A
2139-101-4209	290A
2139-103-200	234
2139-103-3307	290A
2139-103-3404	290A
2139-103-3802	159
2139-103-4001	290A
2139-103-5705	292
2139-103-7103	159
2139-301-0401	108
2139-301-0508	108
2139-301-0906	85
2139-301-1901	233
2139-301-2304	198
2139-301-3802	159
2139-301-5105	399
2139-301-5309	399
2139-301-5808	123AP
2139-301-7707	85
2139-301-8508	123AP
2139-301-9202	198
2139-301-9606	107
2139-301-9606(BCE)	107
2139-301-9804	123AP
2139-301-9901	123AP
2139-302-4501	107
2139-302-7001	85
2139-302-7406	123AP
2139-302-7409	85
2139-302-7506	123AP
2139-302-7700	198
2139-302-8103	375
2139-302-8501	289A
2139-304-2808	108
2139-304-3405	107
2139-304-9104	107
2139-304-9308	107
2139-305-360	229
2139-305-420	123A
2139-305-3408	399
2139-307-010	107
2139-307-2506	108
2139-307-2603(EBC)	229
2139-308-0305	229
2139-401-8507	389
2139-401-9609	165
2139-401-9808	287
2139-601-4602	454
2145	5924
2145-401-3502	89
2147(RAM)	2147
2148-17	116
2149-101-0505	187A
2149-101-8308	192
2149-101-8505	398
2149-101-9005	290A
2149-101-9102	193
2149-101-9102(EBC)	193A
2149-101-9209	159
2149-101-9306	159
2149-101-9500	193
2149-102-0207	187A
2149-102-300	290A
2149-102-1105	187A
2149-201-9606	332
2149-202-0400	294
2149-202-0507(EBC)	294
2149-301-0309(ECB)	287
2149-301-710	291
2149-301-1605	94
2149-301-4202	128
2149-301-4309	123AP
2149-301-4804	238
2149-301-8901	399
2149-302-0603	384
2149-302-0807	289A
2149-302-1307	389
2149-302-4205	152
2149-302-4302	186A
2149-302-6904	198
2149-302-7404	198
2149-302-9103	376
2149-302-9608	376
2149-302-9802	198
2149-303-650	198
2149-303-700	199
2149-303-850	198
2149-303-3805	229
2149-303-4305	389
2149-303-4402	389
2149-303-5805	157#
2149-303-7300	375
2149-303-8004	154
2149-303-8402	198
2149-304-3109	57
2149-305-1102	331
2149-310-0103	287
2149-401-1206	293
2149-401-1303(EBC)	293
2149-401-5905	384
2149-401-6007	54
2149-401-6104	54
2149-401-8007	198
2149-401-8201	192
2149-401-8308	192A
2149-401-9206	375
2149-401-9507	375
2149-401-9701	287
2149-401-9808	373
2149-403-010	130
2149-404-0307	89
2150	5924
2150-17	139A
2151-17	109
2152	116
2158-1541	123A
2158-1558	159
2159-301-1406	289A
2159-301-1707	289A
2159-301-1804	123AP
2159-302-1707	123AP
2160	6400B
2160-17	186A
2163-17	175
2167-17	237
2168-17	186A
2169-101-0602	109
2169-103-0608	177
2169-103-1807	519
2169-105-010	109
2169-105-020	109
2169-105-030	110MP
2169-201-0805	116
2169-201-0902	116
2169-202-1900	109
2169-202-2002	177
2169-202-2109	177
2169-202-2206	116
2169-202-2303	552
2169-202-2400	552
2169-205-070	177
2169-205-080	177
2169-205-0700	519
2169-205-0807	519
2169-205-1006	5018A
2169-206-1106	558
2169-206-1203	558
2169-207-0201	116
2169-207-1109	125
2169-207-1206	558
2169-209-1105	116
2169-210-5808	125
2169-213-1108	558
2169-219-050	506
2169-219-3106	552
2169-219-4208	552
2169-219-5106	552
2169-220-060	116
2169-220-1508	552
2169-301-1100	177
2169-301-2901	177
2169-301-9207	519
2169-304-060	506
2169-304-070	506
2169-304-090	506
2169-304-0104	506
2169-304-200	5071A
2169-304-210	5074A
2169-304-1109	552
2169-304-1400	552
2169-308-0504	552
2169-403-1105	5021A
2169-403-2401	146A
2169-403-7503	5021A
2169-403-7707	5025A
2169-404-0103	5015A
2169-404-0307	5074A
2169-404-1807	5013A
2169-404-1904	5015A
2169-404-4006	5010A
2170	5928
2179-001-0200	5465
2179-001-1302	6402
2180-17	109
2180-41	178MP
2180-151	108
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2180-153	123A
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2322-592-62512	1V250
2322-593-31312	1V130
2322-593-31512	1V130
2322-593-32512	1V250
2322-593-61312	1V130
2322-593-61512	1V150
2322-593-62512	1V250
2322-594-61312	2V130◆
2322-594-61512	2V150◆
2322-594-62512	2V250◆
2322-594-64612	2V480◆
2322-595-61312	2V130
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2402-455	102A
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2420SNS412N	8212
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2444(RCA)	124
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2445-1(RCA)	711
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2447(RCA)	123A
2448(RCA)	159
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2559	728
2559(RCA)	728
2559-1	728
2559-1(RCA)	728
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2560(J.C.Penney)	729
2560(RCA)	729
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2560-1(RCA)	729
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3130-3157-604	7400
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3130-3157-637	987
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3130-3167-909	928M
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3130-3193-501	7445
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3130-3248-801	1115
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3367	172A
3370	108
3373	181
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3377	116
3383	172A
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3401N	992
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3425	100
3434	100
3435	100
3437P1(GE)	352
3438	457
3441	128
3456	176
3458	160
3476(RCA)	161
3492(Rad Shk)	123AP
3499	130
3500	100
3502(RCA)	704
3502-1(RCA)	704
3502-2(RCA)	704
3503(RCA)	124
3504(RCA)	160
3505	109
3505(RCA)	123A
3505(Airline)	178MP
3506	143A
3506(RCA)	123A
3507(RCA)	102A
3507(Sears)	107
3507(Wards)	123A
3508	128
3508(RCA)	128
3508(Wards)	108
3508(Sears)	161
3508-1	128
3508-1(RCA)	128
3509	108
3509(Sears)	123A
3509(Wards)	123A
3510(Wards)	108
3510(RCA)	123A
3510(Sears)	108
3511	108
3511(Sears)	312
3511(Wards)	312
3512	121
3512(RCA)	312
3512(Sears)	312
3512(Wards)	312
3513	159
3513(Wards)	159
3513(Sears)	159
3513(RCA)	123A
3514	121
3514(Wards)	123A
3514(Sears)	107
3514(RCA)	127
3514-1(RCA)	127
3515(RCA)	121
3516	121
3516(Wards)	108
3516(RCA)	159
3516-1(RCA)	159
3517	102A
3518(RCA)	161
3519	123AP
3519(RCA)	123AP
3519-1	123AP
3519-1(RCA)	123AP
3520	124
3520(RCA)	124
3520(WARDS)	142A
3521(SEARS)	123A
3521-1(RCA)	108
3522(SEARS)	159
3523(SEARS)	123A
3523(RCA)	129
3524	108
3524(SEARS)	159
3524(RCA)	229
3524-1	108
3524-1(RCA)	108
3524-2	108
3524-2(RCA)	108
3525(SEARS)	185
3525(RCA)	123A
3526	123AP
3526(RCA)	123AP
3526(SEARS)	184
3526-1	123AP
3526-1(RCA)	123AP
3527	107
3527(RCA)	108
3527-1	107
3527-1(RCA)	108
3528(RAM)	2128
3528-1	785§
3528-1(RCA)	785§
3528-2	785§
3528-2(RCA)	785§
3529	116
3529A	156
3529B	156
3529C	156
3530	108
3530(RCA)	108
3530-1	108
3530-1(RCA)	108
3530-2	108
3530-2(RCA)	108
3530-3	108
3531-021-000	7413
3531-022-000	74190
3531-023-000	74141
3531-030-000	788
3531-031-000	720
3531-033-000	1111§
3532	123AP
3532(RCA)	123AP
3532-1	123AP
3533	722
3533(RCA)	129
3533-1	129
3533-1(RCA)	159
3534(RCA)	160
3535	319P
3535(RCA)	319P
3535-1	319P
3535-1(RCA)	319P
3535-110-50008	804
3535-110-50009	804
3536	123AP
3536(RCA)	123AP
3536-1	123AP
3536-2	123AP
3537	233
3537(RCA)	233
3537-1	233
3537-1(RCA)	233
3538	123AP
3538(RCA)	123AP
3538-1	123AP
3538-1(RCA)	123AP
3538-7	230
3538-8	231
3539	123AP
3539(RAM)	3539
3539(RCA)	123AP
3539-1	123AP
3539-1(RCA)	123AP
3539-2DC	3539
3539-2PC	3539
3539-307-001	108
3539-307-002	108
3539CN-4A	3539
3539DC	3539
3539PC	3539
3539UCC	3539
3539UDC	3539
3539UPC	3539
3540	159
3540(RCA)	159
3540-1	159
3540-1(RCA)	159
3540-1(GE)	159
3541	123AP
3541(RCA)	123AP
3541-1	123AP
3541-1(RCA)	123AP
3543	123AP
3543(RCA)	123A
3543-1	123AP
3543-1(RCA)	123AP
3544	102A
3544(RCA)	123AP
3544-1	123AP
3544-1(RCA)	123AP
3545	128
3545(RCA)	154
3546	123AP
3546(RCA)	123A
3546-1	123AP
3546-1(RCA)	123AP
3546-2(RCA)	123A
3547	128
3547(RCA)	225
3548	123AP
3548(RCA)	123A
3548-1	123AP
3548-1(RCA)	123AP
3549	159
3549(RCA)	159
3549-1(RCA)	159
3549-2(RCA)	159
3551	126A
3551(RCA)	123AP
3551-1(RCA)	123AP
3551A	126A
3551A(RCA)	123A
3551A BLU	126A
3551A GRN	126A
3551A-BLU	126A
3551A-GRN	126A
3552	225
3552(RCA)	154
3552-1(RCA)	154
3553	225
3553(RCA)	128
3553-1(RCA)	154
3553-3	128
3554	123AP
3554(RCA)	123AP
3554-1	123AP
3554-1(RCA)	123AP
3555	128
3555(RCA)	128
3555-01	5547
3555-02	5547
3555-03	5547
3555-1(RCA)	128
3555-3	128
3556	123AP
3556(RCA)	123AP
3556-1	123AP
3556-1(RCA)	123AP
3558	123AP
3558(RCA)	123AP
3558-1(RCA)	222
3559	159
3559(RCA)	159
3559-1	159
3560	123AP
3560(RCA)	123AP
3560-1(RCA)	123AP
3560-2	123AP
3560-2(RCA)	123AP
3561	123AP
3561(RCA)	123AP
3561-1(RCA)	123AP
3561-1(GE)	128
3562	159
3562(RCA)	159
3562-1(RCA)	159
3563	159
3563(RCA)	159
3563(PACE)	229
3563-1(RCA)	159
3564(RCA)	162
3564-1(RCA)	162
3565	123AP
3565(RCA)	123AP
3565-1(RCA)	123AP
3566	123AP
3566(RCA)	128
3566-1	123AP
3566-1(RCA)	123AP
3567	427/128
3567(RCA)	124
3567-1	427/128
3567-1(RCA)	427/128
3567-2(RCA)	184
3567-4(RCA)	152
3568(Wards)	108
3568(RCA)	229
3568-1(RCA)	229
3569	161
3569(RCA)	123AP
3569-1(RCA)	123AP
3570	159
3570(RCA)	159
3570-1	159
3570-1(RCA)	159
3570P	159
3571(RCA)	123AP
3571-1	123AP
3571R	123A
3572(RCA)	123AP
3572-1(RCA)	123AP
3572-2(RCA)	123AP
3572-3	108
3572-3(RCA)	123AP
3574	159
3574(RCA)	159
3574-1	159
3574-1(RCA)	159
3576	233
3576(RCA)	233
3576-1(RCA)	233
3577(RCA)	123AP
3577-1	123AP
3578-1	102A
3579	108
3579(RCA)	108
3579-1(RCA)	108
3581	159
3581(RCA)	159
3582	225
3582(RCA)	154
3582-1	128
3582-1(RCA)	128
3583	5804
3583(RCA)	127
3584	124
3584(RCA)	124
3585-1	230
3585-2	230
3585-3	230
3585-4	230
3585-5	230
3585-6	231
3585-6(RCA)	231
3585-7	230
3585-8	231
3586(RCA)	123AP
3586-2(RCA)	123AP
3588	222
3588(RCA)	222
3588-1(RCA)	222
3588-2(RCA)	222
3589	123A
3590	159
3590-1(RCA)	159
3591	128
3592(RCA)	129
3597	159
3597-1	159
3597-1(RCA)	159
3597-2	159
3598(RCA)	102A
3598-2(RCA)	102A
3599-1(RCA)	159
3600	102
3601	123AP
3601(RCA)	123AP
3601-1	123AP
3601-2	123AP
3603(RCA)	123AP
3603-1(RCA)	123AP
3604(RCA)	172A
3604-1(RCA)	172A
3604-3(RCA)	172A
3606-1(RCA)	108
3607	101
3608(RCA)	128
3608-1(RCA)	128
3608-2(RCA)	128
3608-2(J.C.Penney)	128
3608-3(RCA)	128
3609	101
3610(RCA)	108
3610-1(RCA)	229
3611-1(RCA)	152
3612(RCA)	152
3612-1(RCA)	152
3613	191
3613(RCA)	191
3613-2(GE)	191
3613-2(RCA)	191
3613-3	191
3613-3(RCA)	191
3613-4(RCA)	191
3613-5(RCA)	154
3614-1	123AP
3614-2(RCA)	123AP
3614-3	123AP
3614-3(RCA)	123AP
3615(RCA)	123AP
3615-1(RCA)	123AP
3616-1(RCA)	159
3617-1	108
3618	222
3618(RCA)	222
3618-1	222
3618-1(RCA)	222
3618-2(RCA)	222
3619-1	5642
3619-2(RCA)	5642
3619-3(RCA)	5642
3620(RCA)	159
3620-1	159
3620-2(RCA)	159
3621(RCA)	152
3621-1(RCA)	152
3622(RCA)	128
3622-1	128
3622-2(RCA)	128
3623-1(RCA)	152
3624-1(RCA)	185
3624-2(RCA)	185
3625(RCA)	123AP
3625-1	123AP
3626	123AP
3626-1	123AP
3626-1(RCA)	123AP
3627	159
3627(RCA)	159
3627-1	159
3628-2(RCA)	171
3628-3	188
3629-3	189
3631	194
3631(RCA)	194
3631-1	194
3631-1(RCA)	194
3632-1	196
3632-2(RCA)	196
3632-3	196
3632-3(RCA)	196
3633-1	171
3633-1(RCA)	171
3633-1(GE)	171
3634-1	165
3634.0011	123A
3634.2011	159
3635(RCA)	222
3635-1	222
3635-1(RCA)	222
3635-2(RCA)	222
3636	152
3636-1(RCA)	152
3637(RCA)	162
3637-1(RCA)	162
3638-1	218
3638A	159
3638A632	159
3640(RCA)	196
3640-1(RCA)	196
3641-1(RCA)	536A
3641-2(RCA)	536A
3646-2(RCA)	108
3647-1	165
3648(RCA)	127
3648-1(RCA)	127
3649-1	165
3651-1(RCA)	395
3652-2	229
3656-1	373
3656-2	373
3656-4	373
3657-1	229
3657-2	229
3662-2	165
3665-2	162
3666(RCA)	159
3666-1(RCA)	159
3669	165
3669-1(RCA)	163A
3669-2(RCA)	165
3676	233
3676(RCA)	233
3676-1(RCA)	229
3677(RCA)	780
3677-1	780
3677-1(RCA)	780
3677-2	780
3677-2(RCA)	780
3677-3	780
3677-3(RCA)	780
3679	191
3679-1	194
3680	319P
3680-1	319P
3680-2(RCA)	319P
3680-3(CEB-RCA)	229
3681-1	904
3681-1(RCA)	152
3682(RCA)	185
3682-1	185
3683-1	162
3683-2	130
3686(RCA)	222
3686-1	712
3686-1(RCA)	222
3687	154
3687-1	154
3688-1	5404
3693(Arvine)	108
3697-1	159
3700-153	116
3701	137A
3702	137A
3703	137A
3704	137A
3706	123A
3714H1	130
3714H1A	130
3721	175
3735	6354
3740R	6357
3742	188
3746-00	129
3746-01	129
3750	160
3755-1	5014A
3755-2	5014A
3771	181
3772-1	181
3772-2	181
3777-2(RCA)	145A
3784B	450A
3793	5547
3803-8022	238
3819(RCA)	312
3843	152
3843(Harmon Kardon)	130
3843(Sears)	196
3844(Harmon Kardon)	128
3851	126A
3852	100
3867	123A
3868	195A
3878	154
3880(MPU)	3880
3881	161
3881(PIO)	3881
3882(CTC)	3882
3888A-D13	5014A
3900N	992
3907	102
3907(2N404A)	126A
3915-101-09960	130
3922-816-25320	109
3922-816-27090	5305
3944-00951	1277
3961	126A
3961(G.E.)	160
3970	100
3970(G.E.)	102A
3970CL	102A
3980-002	175
3991-303-112	785§
3999	123A
4000	4000
4001	4001B
4001(Transistor)	154
4001(Module)	1001
4001(Magnavox)	177
4001(IC)	1001
4001(E F Johnson)	329
4001-151	125
4001-222	160
4001-223	160
4001-224	102A
4001-225	102A
4001-226	102A
4001-228	190
4001-230	109
4001B	154
4001BPC	4001B
4002	4002B
4002(SEARS)	109

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
4002(Penncrest)	123A
4002(PACE)	123A
4002A	4002B
4002BDC	4002B
4002BFC	4002B
4002BPC	4002B
4003(SEARS)	109
4003(TRANSISTOR)	123A
4003E	123A
4004	195A
4004(E F JOHNSON)	329
4004(Penncrest)	102A
4004(Sears)	195A
4004(SEARS)	109
4005(E F J0hnson)	195A
4005(SEARS)	109
4005(CB)	195A
4006	4006B
4006(Zener)	137A
4006(E.F.Johnson)	128
4006(SEARS)	109
4006B	4006B
4006BDC	4006B
4006BPC	4006B
4007	195A
4007(SEARS)	109
4007B	4007
4007UBDC	4007
4007UBPC	4007
4008(E F Johnson)	311
4008(SEARS)	109
4008(E.F.Johnson)	128
4008-102-70051	109
4008-102-70120	130
4008B	4008B
4008BPC	4008B
4008C	311
4008DC	4008B
4009	195A
4009(Penncrest)	158
4009(SEARS)	109
4010	123A
4010(E.F.Johnson)	108
4010(Penncrest)	109
4010(SEARS)	109
4010-2(Fisher)	123AP
4011	4011B
4011(E.F.Johnson)	195A
4011(Penncrest)	177
4011(SEARS)	109
4011(Transistor)	195A
4011(IC)	4011B
4011A	4011B
4011B	4011B
4011BDC	4011B
4011BP	4011B
4011BPC	4011B
4011DC	4011B
4011PC	4011B
4011-PC	4011B
4012(SEARS)	109
4012(E.F.Johnson)	195A
4012A	4012B
4012BDC	4012B
4012BPC	4012B
4013	159
4013(E.F.Johnson)	195A
4013(Rectifier)	116
4013(VISCOUNT)	4013B
4013B(IC)	4013B
4013BDC	4013B
4013BPC	4013B
4014	116
4014-000-10160	102A
4014-200-30110	177
4014BDC	4014B
4014BPC	4014B
4015BDC	4015B
4015BPC	4015B
4016	4016B
4016(RAM)	2128
4016(VISCOUNT)	4016B
4016BDC	4016B
4016BPC	4016B
4017BDC	4017B
4017BPC	4017B
4018	4018B
4018B	4018B
4018BDC	4018B
4018BPC	4018B
4019BDC	4019B
4019BPC	4019B
4020	785§
4020BDC	4020B
4020BPC	4020B
4021	123A
4021BDC	4021B
4021PDC	4021B
4022-105-00240	123AP
4022-193-00310	123AP
4022-864-17640	109
4022-867-25770	109
4022B	4022B
4022BDC	4022B
4022BPC	4022B
4023A	4023B
4023BDC	4023B
4023BPC	4023B
4024BDC	4024B
4024BPC	4024B
4025	4025B
4025A	4025B
4025BDC	4025B
4025BPC	4025B
4027(RAM)	2104
4027-3F	2104
4027-3N	2104
4027-4F	2104
4027-4N	2104
4027B	4027B
4027BDC	4027B
4027BPC	4027B
4028	4028B
4028BDC	4028B
4028BPC	4028B
4028DC	4028B
4028PC	4028B
4029	4029B
4029BDC	4029B
4029BPC	4029B
4030BDC	4030B
4030BPC	4030B
4031BDC	4031B
4031BPC	4031B
4031P	1010
4032-814-16420	123AP
4032P	1011
4032P-8M4	1011
4033(RAM)	2102
4034	4034B
4034(RAM)	2102
4034B	4034B
4034BDC	4034B
4034BPC	4034B
4035(RCA)	190
4035B	4035B
4035BDC	4035B
4035BPC	4035B
4036	129/400
4039-00	199
4039-01	199
4040BDC	4040B
4040BPC	4040B
4041-000-1018	109
4041-000-10150	116
4041-000-10160	102A
4041-000-20120	102A
4041-000-30180	102A
4041-000-40270	107
4041-000-40300	107
4041-000-60170	107
4041-000-60200	107
4041-000-80100	126A
4041-200-10180	109
4041-200-40100	109
4041BDC	4041
4041BPC	4041
4042BDC	4042B
4042BPC	4042B
4043	4043B
4043B	4043B
4043BDC	4043B
4043BFC	4043B
4044	4044B
4044B	4044B
4044BDC	4044B
4044BPC	4044B
4045(RAM)	2114
4045BDC	4045B
4045BPC	4045B
4046(Sears)	123A
4046BDC	4046B
4046BPC	4046B
4046DC	4046B
4046PC	4046B
4047BDC	4047B
4047BPC	4047B
4049	4049
4049BDC	4049
4049BPC	4049
4050	755
4050BDC	4050B
4050BPC	4050B
4051-300-10150	116
4051BDC	4051B
4051BPC	4051B
4051P(IC)	1150
4052(IC)	4052B
4052BDC	4052B
4052BPC	4052B
4053	4053B
4053B	4053B
4053BDC	4053B
4053BPC	4053B
4057	123A
4060	4060B
4060(RAM)	2107
4060B	4060B
4063	4063B
4063B	4063B
4066AB	4066B
4066B	4066B
4066BDC	4066B
4066PDC	4066B
4067BDC	4067B
4067BPC	4067B
4068BDC	4068B
4068BP	4068B
4068BPC	4068B
4069(VISCOUNT)	4069
4069UBDC	4069
4069UBPC	4069
4070BDC	4070B
4070BPC	4070B
4071BDC	4071B
4071BPC	4071B
4072	4072B
4072B	4072B
4072BPC	4072B
4072DC	4072B
4073	4073B
4073B	4073B
4073BDC	4073B
4073BPC	4073B
4075	4075B
4075B	4075B
4075BDC	4075B
4075BPC	4075B
4076	4076B
4076(Johnson)	341
4076B	4076B
4076BDC	4076B
4076DC	4076B
4076PC	4076B
4076PDC	4076B
4077BDC	4077B
4077BPC	4077B
4078BDC	4078B
4078BPC	4078B
4078DC	4078B
4078PC	4078B
4080-187-0507	128
4080-838-0001	175
4080-838-2	175
4080-838-3	175
4080-866-0006	196
4080-866-1	175
4080-866-2	175
4080-879-0001	196
4081B(IC)	4081B
4081BDC	4081B
4081BPC	4081B
4082	4082B
4082-501-0001	121
4082-748-0002	136A
4082B	4082B
4082BDC	4082B
4082BPC	4082B
4085	123A
4085BDC	4085B
4085BPC	4085B
4086	159
4086BDC	4086B
4086BPC	4086B
4087	159
4093	4093B
4093BDC	4093B
4093PDC	4093B
4096(RAM)	2104
4098	4098B
4098B	4098B
4099A	189
4101-685	116
4102(RAM)	2102
4104	329
4104P1(GE)	339
4116(RAM)	2117
4117-1	949
4117-2	949
4120I00600	109
4124	5257A
4125	5259A
4126(Transistor)	159
4126(E.F.Johnson)	159
4126(Zener)	5260A
4127	5262A
4128	5263A
4129	5265A
4130	5266A
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4135	5272A
4136	5274A
4136CP	997
4137	5276A
4138	5279A
4140	5281A
4141	5282A
4142	5283A
4143	5284A
4144	5285A
4145(Zener)	5287A
4145(Rectifier)	6156
4146	5288A
4146A	8063
4146A1	8063
4148	5291A
4149	5292A
4150	5294A
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4151	5296A
4151-01	159
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4191A	8085
4191A1	8085
4194A	8090
4194A1	8090
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4208A	8098
4208A1	8098
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4216(Harmon Kardon)	130
4218	192
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4218A1	8103
4219	129
4219(Harmon Kardon)	185
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4224	5257A
4225	5259A
4226	5260A
4227	5262A
4227A	8108
4227A1	8108
4228	5263A
4229	5265A
4230	5266A
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4232	5269A
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4237	5276A
4238	5278A
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4315	102
4320	5252A
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4322	5254A
4322-542	123A
4323	5255A
4324	5257A
4325	5259A
4326	5260A
4327	5262A
4328	5263A
4329	5265A
4330	5266A
4331	121
4331(Zener)	5268A
4332	5269A
4333	5270A
4333A	8167
4333A1	8167
4334	5271A
4335	5272A
4336	5274A
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4338	5278A
4339	1115
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4341	5282A
4342	5283A
4343	5284A
4344	5285A
4345	5287A
4346	5288A
4347	104
4348	102
4348(Zener)	5291A
4349	102
4349(Zener)	5292A
4350	5294A
4351	5296A
4354	109
4358A	8181
4358A1	8181
4363	126A
4363BLU	126A
4363GRN	126A
4363ORN	126A
4363WHT	126A
4364	126A
4365	126A
4366	126A
4367	126A
4367-001	129
4368	160
4381P1	9914
4398	102
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4403	116
4409	801
4409(Pioneer)	1226
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4415A1	8213
4419-4	180
4420	5252A
4421	5253A
4422	5254A
4423	5255A
4424	5257A
4425	5259A
4426	5260A
4427	5262A
4428	5263A
4429	5265A
4430	5266A
4431	5268A
4432	5269A
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4435	5272A
4436	5274A
4437	5276A
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4438-1(RCA)	788
4438-2	788
4438-2(RCA)	788
4438-3	788
4438-3(RCA)	788
4438A	8226
4438A1	8226
4439-1	789
4439-1(RCA)	789
4439-2	789
4439-2(RCA)	789
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4441	5282A
4442	159
4442(Zener)	5283A
4442-3	188
4442-366	196
4443	5284A
4443(Transistor)	100
4444	5285A
4445	5287A
4446	5288A
4448	5291A
4449	5292A
4450	102
4450(Zener)	5294A
4451	100
4451(Zener)	5296A
4454	126A
4456	126A
4457	126A
4459	127
4460	720
4460-2	789
4460-3	789
4462	102
4463	121
4464	123
4465	123
4466ORN	102
4467	176
4467(Rectifier)	5944
4468A	8242
4468A1	8242
4468BRN	102
4469RED	102
4470	123
4470-31	123
4470-32	123
4470-33	123
4470M-32	123
4470-ORN	176
4471ORN	102
4471YEL	102
4472GRN	102
4473	102A
4473-1	108
4473-2	108
4473-3	108
4473-4	123A
4473-5	123A
4473-5X	123A
4473-6	108
4473-7	108
4473-8	108
4473-9	123A
4473-11	108
4473-12	123A
4473-9636	199
4473-M3	128
4473-M-12	128
4473-N	128
4474YEL	102
4475GRN	102
4476BLU	102
4477PUR	102
4477V10	102A
4478	129
4483	128
4484	100
4484-1	106
4484-2	106
4485	100
4485-1	106
4486	100
4490	128
4490-1	108
4490-7	152
4491-4	130
4491-5	152
4491-6	184
4491-7	130
4491-8	152
4491-9	184
4501	126A
4509	126A
4510B	4510B
4510BDC	4510B
4510BPC	4510B
4511	4511B
4511B	4511B
4511BPC	4511B
4512BDC	4512B
4512BPC	4512B
4514B	4514B
4514BDC	4514B
4514BPC	4514B
4515B	4515B
4515BDC	4515B
4515BPC	4515B
4516	4516B
4516B	4516B
4516BDC	4516B
4516BPC	4516B
4518BDC	4518B
4518BPC	4518B
4520BDC	4520B
4520PPC	4520R
4521BDC	4521B
4521BPC	4521B
4526BDC	4526B
4526BPC	4526B
4528BDC	4528B
4528BPC	4528B
4531BDC	4531B
4531BPC	4531B
4532BDC	4532B
4532BPC	4532B
4539BDC	4539B
4539BPC	4539B
4543B	4543B
4545	126A
4545BLU	126A
4545WHT	126A
4547A	427/129
4552	144A
4553BLU	102
4553BRN	102
4553GRN	102
4553ORN	102
4553RED	102
4553V10	102A
4553YEL	102
4555BDC	4555B
4555PDC	4555B
4556BDC	4556B
4556BPC	4556B
4558(IC)	778A
4558CV	778A
4558D	778A
4558DA	778A
4562	102
4563	102
4573	105
4582BDC	40182B
4582BPC	40182B
4582BRN	121
4583B	4583B
4583BPC	4583B
4583RED	121
4584GRN	121
4586	126A
4587	108
4589	126A
4590	106
4594	123
4595	126A
4596	102
4597	105
4597GRN	105
4597RED	105
4603	126A
4604	126A
4605	126A
4605RED	126A
4607	102
4607-1(RCA)	532
4607-2(RCA)	532
4607-5(RCA)	532
4607-6(RCA)	532
4607-7(RCA)	531
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4607-10(RCA)	533
4608	121
4619RED	121
4620GRN	121
4621	126A
4622	105
4623	127
4624	123
4627	102
4630	123
4632	126A
4640	179
4640P	179
4648	154
4649	121
4652	127
4653	139A
4663	147A
4677	126A
4681-001(RCA)	222
4681-1(RCA)	222
4682-001(RCA)	222
4682-1(RCA)	222
4684-120-3	108
4685-285-3	108
4686-1(RCA)	712
4686-81-2	102A
4686-81-3	102A
4686-82-3	123A
4686-87-3	117A
4686-99-3	125
4686-95-3	108
4686-97-3	125
4686-105-3	125
4686-106-3	125
4686-107-3	108
4686-108-3	108
4686-112-3	108
4686-114-3	108
4686-116-3	117A
4686-118-3	108
4686-119-3	108
4686-120-3	108
4686-126-3	108
4686-127-3	108
4686-130-3	175
4686-131-3	108
4686-132-3	123A
4686-139-3	125
4686-140-3	108
4686-143-3	123A
4686-144-3	123A
4686-145-3	194
4686-147-3	117A
4686-148-3	117A
4686-149-3	116
4686-150-3	117A
4686-151-3	117A
4686-163-3	102A
4686-169-3	108
4686-170-3	129
4686-171-3	108
4686-172-3	108
4686-173-3	123A
4686-177-3	117A
4686-179-3	125
4686-182-3	128
4686-183-3	123A
4686-184-3	125
4686-186-3	125
4686-189-3	125
4686-195-3	102A
4686-196-3	102A
4686-199-3	125
4686-201-3	125
4686-207-3	108
4686-208-3	108
4686-209-3	108
4686-210-3	225
4686-212-3	125
4686-213-3	121
4686-224-3	108
4686-226-3	175
4686-227-3	502
4686-228-3	108
4686-229-3	129
4686-230-3	129
4686-231-3	123A
4686-232-3	154
4686-234-3	196
4686-235-3	129
4686-238-3	129
4686-244-3	108
4686-251-3	108
4686-252-3	191
4686-256-1	126A
4686-256-2	126A
4686-256-3	126A
4686-257-3	123A
4689	126
4699	150A
4700	101
4701	130
4702	179
4704	150A
4704(RAM)	2104
4705	123
4706	108

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4714	123
4715	130
4715A	130
4716(RAM)	2117
4722	121
4722BLU	121
4722GRN	121
4722ORN	121
4722PUR	121
4722RED	121
4722YEL	121
4727	121
4728	151A
4729	179
4730	121
4732	123A
4733	123A
4734	123A
4737	123A
4740	5125A
4745	196
4747	272
4756	161
4765	123A
4768	123A
4774(DELCO)	4013B
4777-026(RCA)	137A
4777-1(RCA)	142A
4777-2(RCA)	145A
4777-7(RCA)	149A
4777-9(RCA)	144A
4777-11(RCA)	144A
4777-12(RCA)	147A
4777-13(RCA)	145A
4777-14(RCA)	146A
4777-16(RCA)	147A
4777-18(RCA)	145A
4777-20(RCA)	5074A
4777-23(RCA)	139A
4777-25(RCA)	5020A
4777-26(RCA)	137A
4778-3(RCA)	116
4778-4(RCA)	156
4778-5(RCA)	552
4778-6(RCA)	156
4778-7(RCA)	177
4778-8(RCA)	156
4778-9(RCA)	116
4778-10(RCA)	116
4778-11(RCA)	116
4778-13(RCA)	116
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4778-16(RCA)	177
4778-21(RCA)	156
4781	197
4789	107
4792	6400B
4793(KLH)	722
4794(KLH)	781
4795	726
4795(KLH)	726
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4800-220	102A
4800-221	102A
4800-222	102A
4800-223	131MP
4800-224	507
4801-0000-001	159
4801-0000-003	123A
4801-0000-005	287
4801-0000-010	123A
4801-0000-013	287
4801-0000-016	123A
4801-0000-018	229
4801-0000-035	108
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4801-0000-095	161
4801-0000-100	123A
4801-0000-135	288
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4801-0200-603	123AP
4801-0200-724	123AP
4801-0200-786	123AP
4801-0871-220	229
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4802-00004	159
4802-00005	130
4802-00005A	130
4802-00006	123A
4802-00007	195A
4802-00008	237
4802-00009	123A
4802-00010	312
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4802-00016	300
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4804-3169-606	346
4804-3169-607	486
4804-3169-608	341
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4807-1233-900	177
4808-0000-007	135A
4808-0000-009	5072A
4808-0000-012	137A
4808-0000-025	5013A
4808-0000-029	5018A
4808-0000-030	5010A
4808-0000-031	5010A
4808-0000-037	5090A
4808-0000-042	5060A
4808-0000-051	5019A
4808-0000-053	5037A
4809-0000-001	610
4809-0000-009	5072A
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4811-0000-012	123AP
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4811-0000-039	472
4811-0000-040	123A
4811-0000-041	287
4811-0000-042	123A
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4822-130-30071	519
4822-130-30072	519
4822-130-30082	5011T1
4822-130-30083	177
4822-130-30084	109
4822-130-30085	109
4822-130-30088	109
4822-130-30123	5010T1
4822-130-30124	125
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4822-130-30132	5013T1
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4822-130-30135	5013T1
4822-130-30138	109
4822-130-30139	177
4822-130-30142	5011T1
4822-130-30143	5013T1
4822-130-30145	5021T1
4822-130-30152	109
4822-130-30163	5013T1
4822-130-30169	125
4822-130-30189	519
4822-130-30191	109
4822-130-30192	125
4822-130-30193	5011T1
4822-130-30195	125
4822-130-30197	116
4822-130-30203	110MP
4822-130-30219	109
4822-130-30221	110MP
4822-130-30223	109
4822-130-30224	109
4822-130-30225	109
4822-130-30226	519
4822-130-30227	125
4822-130-30228	125
4822-130-30229	109
4822-130-30232	109
4822-130-30239	177
4822-130-30242	5013T1
4822-130-30247	5013T1
4822-130-30256	552
4822-130-30258	125
4822-130-30259	125
4822-130-30261	167
4822-130-30264	135A
4822-130-30265	519
4822-130-30266	519
4822-130-30269	519
4822-130-30271	519
4822-130-30273	177
4822-130-30279	168
4822-130-30281	109
4822-130-30284	5010T1
4822-130-30286	5013T1
4822-130-30291	519
4822-130-30295	581
4822-130-30297	5010T1
4822-130-30301	109
4822-130-30302	519
4822-130-30303	519
4822-130-30312	110MP
4822-130-30313	116
4822-130-30323	519
4822-130-30324	5011T1
4822-130-30326	5006A
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4822-130-30346	5021T1
4822-130-30349	168
4822-130-30353	5021T1
4822-130-30365	5010T1
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4822-130-30398	125
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4822-130-30414	166
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4822-130-30612	5013T1
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4822-130-30621	519
4822-130-30659	116
4822-130-30664	613
4822-130-30668	558
4822-130-30672	581
4822-130-30673	5812
4822-130-30692	110MP
4822-130-30693	519
4822-130-30702	519
4822-130-30703	519
4822-130-30715	109
4822-130-30716	109
4822-130-30746	613
4822-130-30759	5011T1
4822-130-30765	5006A
4822-130-30766	5013T1
4822-130-30767	5010T1
4822-130-30769	613
4822-130-30774	5019T1
4822-130-30776	552
4822-130-30787	125
4822-130-30789	606
4822-130-30798	116
4822-130-30799	125
4822-130-30802	5021T1
4822-130-30803	116
4822-130-30805	5010T1
4822-130-30806	5038A
4822-130-30813	110MP
4822-130-30821	552
4822-130-30822	116
4822-130-30823	580
4822-130-30828	116
4822-130-30829	116
4822-130-30831	519
4822-130-30834	5003A
4822-130-30835	519
4822-130-30836	519
4822-130-30839	552
4822-130-30841	519
4822-130-30843	600
4822-130-30845	610
4822-130-30846	109
4822-130-30847	519
4822-130-30848	519
4822-130-30849	5812
4822-130-30852	519
4822-130-30853	3020
4822-130-30855	3020
4822-130-30857	177
4822-130-30859	5013T1
4822-130-30862	5018A
4822-130-30865	581
4822-130-30868	552
4822-130-30869	110MP
4822-130-30871	519
4822-130-30872	116
4822-130-30873	581
4822-130-30874	580
4822-130-30875	558
4822-130-30876	552
4822-130-30877	580
4822-130-30878	5135A◆
4822-130-30881	613
4822-130-30882	116
4822-130-30883	5304
4822-130-30884	109
4822-130-30885	3020
4822-130-30887	610
4822-130-30888	116
4822-130-30889	5016A
4822-130-30891	116
4822-130-30893	519
4822-130-30895	581◆
4822-130-30897	116
4822-130-30898	125
4822-130-30901	5010T1
4822-130-30902	177
4822-130-30907	5018A
4822-130-30911	5125A◆
4822-130-30912	3022
4822-130-30913	611
4822-130-30914	3007
4822-130-30915	3020
4822-130-30918	3010
4822-130-30919	125
4822-130-30922	3020
4822-130-30923	3010
4822-130-30924	3008
4822-130-30926	3025
4822-130-30927	3020
4822-130-30932	614◆
4822-130-30934	3010
4822-130-30936	3007
4822-130-30937	3010
4822-130-30939	4928
4822-130-30951	3079
4822-130-30952	3079
4822-130-30954	3074
4822-130-30955	3011
4822-130-30956	558
4822-130-30957	5812
4822-130-30959	615A
4822-130-30963	3010
4822-130-30971	610
4822-130-30972	5074A
4822-130-30973	5220A
4822-130-30978	116
4822-130-30983	552
4822-130-30984	5313
4822-130-30985	3007
4822-130-30988	612
4822-130-30989	615A
4822-130-30991	5023A
4822-130-30992	611
4822-130-30994	143A
4822-130-31001	5312
4822-130-31003	5304
4822-130-31004	125
4822-130-31005	5050A
4822-130-31007	5313
4822-130-31008	3007
4822-130-31011	519
4822-130-31012	109
4822-130-31013	3077
4822-130-31016	3010
4822-130-31017	552
4822-130-31018	519
4822-130-31019	552
4822-130-31025	116
4822-130-31027	3007
4822-130-31028	605A
4822-130-31031	177
4822-130-31032	109
4822-130-31033	552
4822-130-31034	552
4822-130-31035	5072A
4822-130-31038	142A
4822-130-31041	136A
4822-130-31042	109
4822-130-31043	178MP
4822-130-31046	116
4822-130-31047	116
4822-130-31051	558
4822-130-31053	110MP
4822-130-31055	610
4822-130-31056	5021T1
4822-130-31059	125
4822-130-31062	116
4822-130-31063	177
4822-130-31064	177
4822-130-31066	5342
4822-130-31069	5018A
4822-130-31071	519
4822-130-31072	519
4822-130-31073	116
4822-130-31074	116
4822-130-31075	109
4822-130-31077	110MP
4822-130-31078	611
4822-130-31082	580◆
4822-130-31085	3057
4822-130-31087	552
4822-130-31088	116
4822-130-31089	5023A
4822-130-31096	5021A
4822-130-31097	5031A
4822-130-31108	3004
4822-130-31109	3007
4822-130-31111	5012A
4822-130-31114	116
4822-130-31116	601
4822-130-31118	553
4822-130-31124	156
4822-130-31168	552
4822-130-31173	525
4822-130-31174	116
4822-130-31201	552
4822-130-34026	616
4822-130-34048	607
4822-130-34049	606
4822-130-34121	116
4822-130-34145	5038A
4822-130-34167	5013T1
4822-130-34173	5011T1
4822-130-34197	5021T1
4822-130-34233	5010T1
4822-130-34297	5019T1
4822-130-34522	580◆
4822-130-34633	125
4822-130-34651	3024
4822-130-40052	160
4822-130-40061	123AP
4822-130-40077	160
4822-130-40083	160
4822-130-40084	199
4822-130-40095	158
4822-130-40096	103A
4822-130-40105	229
4822-130-40109	130
4822-130-40132	130
4822-130-40135	130
4822-130-40136	130
4822-130-40144	199
4822-130-40145	123AP
4822-130-40167	159
4822-130-40182	519
4822-130-40184	123AP
4822-130-40185	159
4822-130-40195	159
4822-130-40196	165
4822-130-40212	155
4822-130-40213	131
4822-130-40214	123AP
4822-130-40215	123AP
4822-130-40216	199
4822-130-40229	109
4822-130-40233	104
4822-130-40235	102A
4822-130-40236	102A
4822-130-40239	199
4822-130-40246	160
4822-130-40249	126A
4822-130-40252	160
4822-130-40253	160
4822-130-40255	160
4822-130-40256	519
4822-130-40292	154
4822-130-40299	154
4822-130-40303	229
4822-130-40304	229
4822-130-40308	108
4822-130-40309	123AP
4822-130-40311	123AP
4822-130-40312	123AP
4822-130-40313	123A
4822-130-40314	103A
4822-130-40315	159
4822-130-40317	123AP
4822-130-40318	123AP
4822-130-40319.103A +158(CP)	
4822-130-40328	126A
4822-130-40329	103A +102A(CP)
4822-130-40331	130MP
4822-130-40332	123AP
4822-130-40333	123AP
4822-130-40335	160
4822-130-40336	160
4822-130-40337	160
4822-130-40343	123AP
4822-130-40344	123AP
4822-130-40345	160
4822-130-40348	159
4822-130-40352	158
4822-130-40353	159
4822-130-40354	159
4822-130-40355	159
4822-130-40356	128
4822-130-40357	123AP
4822-130-40358	161
4822-130-40359	154
4822-130-40361	199
4822-130-40362	229
4822-130-40367	159
4822-130-40368	199
4822-130-40369	159
4822-130-40376	229
4822-130-40382	103A +102A(CP)
4822-130-40384	160
4822-130-40385	160
4822-130-40391	199
4822-130-40392	158
4822-130-40405	102A
4822-130-40406	103A +102A(CP)
4822-130-40428	158
4822-130-40429	159
4822-130-40437	160
4822-130-40441	160
4822-130-40445	85◆
4822-130-40449	130
4822-130-40453	154
4822-130-40454	161
4822-130-40456	158
4822-130-40457	154
4822-130-40459	229
4822-130-40461	229
4822-130-40474	103A
4822-130-40476	159
4822-130-40477	159
4822-130-40492	161
4822-130-40508	106
4822-130-40514	85◆
4822-130-40515	199
4822-130-40522	159
4822-130-40523	158
4822-130-40524	130
4822-130-40525	159
4822-130-40527	159
4822-130-40531	616
4822-130-40536	165
4822-130-40537	184
4822-130-40614	159
4822-130-40615	290A◆
4822-130-40617	130MP
4822-130-40635	160
4822-130-40637	130MP
4822-130-40645	373
4822-130-40648	131MP
4822-130-40657	229
4822-130-40661	154
4822-130-40664	373
4822-130-40665	374
4822-130-40679	159
4822-130-40701	160
4822-130-40704	374 +373(CP)
4822-130-40708	199(2)
4822-130-40712	374
4822-130-40716	159
4822-130-40718	159
4822-130-40732	123AP
4822-130-40739	229
4822-130-40741	229
4822-130-40756	229
4822-130-40758	123AP
4822-130-40759	123AP
4822-130-40762	323
4822-130-40764	127
4822-130-40765	94
4822-130-40782	154
4822-130-40784	123AP
4822-130-40785	123AP
4822-130-40786	123AP
4822-130-40804	102A
4822-130-40806	199
4822-130-40807	159
4822-130-40808	229
4822-130-40811	229
4822-130-40813	123AP
4822-130-40816	229
4822-130-40817	123AP
4822-130-40819	126A
4822-130-40822	159
4822-130-40823	373
4822-130-40824	374
4822-130-40825	323
4822-130-40835	123AP
4822-130-40838	123AP
4822-130-40844	229
4822-130-40845	229
4822-130-40849	374 +373(CP)
4822-130-40853	130MP
4822-130-40854	159
4822-130-40855	123AP
4822-130-40857	185
4822-130-40858	283
4822-130-40859	288
4822-130-40861	282§
4822-130-40862	323
4822-130-40864	158
4822-130-40866	374 +373(CP)
4822-130-40872	123AP
4822-130-40873	130MP
4822-130-40874	229
4822-130-40876	199
4822-130-40877	159
4822-130-40882	123AP
4822-130-40883	123AP
4822-130-40884	199
4822-130-40887	184
4822-130-40888	185
4822-130-40889	229
4822-130-40891	159
4822-130-40892	123AP
4822-130-40895	229
4822-130-40896	123AP
4822-130-40897	159
4822-130-40898	229
4822-130-40901	199
4822-130-40902	229
4822-130-40903	197
4822-130-40905	130MP
4822-130-40906	123AP
4822-130-40907	123AP
4822-130-40908	154
4822-130-40909	159
4822-130-40911	159
4822-130-40912	283
4822-130-40918	184
4822-130-40919	184
4822-130-40921	185
4822-130-40923	102A
4822-130-40924	159
4822-130-40925	123AP
4822-130-40926	159
4822-130-40927	159
4822-130-40928	199
4822-130-40929	229
4822-130-40932	289A
4822-130-40934	290A
4822-130-40935	199
4822-130-40936	123AP
4822-130-40937	123AP
4822-130-40938	123AP
4822-130-40939	199
4822-130-40941	159
4822-130-40942	123AP +159(CP)
4822-130-40943	332 +331(CP)
4822-130-40945	229
4822-130-40946	123AP +159(CP)
4822-130-40947	229
4822-130-40948	123AP
4822-130-40951	161
4822-130-40952	229
4822-130-40953	123AP
4822-130-40955	229
4822-130-40956	130
4822-130-40957	159
4822-130-40958	123AP
4822-130-40959	123AP
4822-130-40961	123AP
4822-130-40962	159
4822-130-40963	159
4822-130-40964	123AP
4822-130-40965	123AP
4822-130-40966	159
4822-130-40968	287
4822-130-40969	154
4822-130-40971	165
4822-130-40972	185
4822-130-40973	159
4822-130-40976	454
4822-130-40978	153 +152(CP)
4822-130-40979	159
4822-130-40981	123AP
4822-130-40982	152
4822-130-40983	153
4822-130-40984	389
4822-130-40985	94
4822-130-40986	331
4822-130-40987	332
4822-130-40988	298
4822-130-40989	159
4822-130-40991	123AP
4822-130-40992	159
4822-130-40993	159
4822-130-40994	123AP
4822-130-40995	185
4822-130-40996	165
4822-130-40997	247
4822-130-40998	248
4822-130-40999	159
4822-130-41001	123AP
4822-130-41002	263
4822-130-41003	262
4822-130-41005	130
4822-130-41008	374 +373(CP)
4822-130-41011	229
4822-130-41012	229
4822-130-41013	123AP
4822-130-41014	229
4822-130-41017	185 +184(CP)
4822-130-41018	185 +184(CP)
4822-130-41019	123AP
4822-130-41021	283
4822-130-41023	123AP
4822-130-41024	312

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
4822-130-41025	229
4822-130-41026	185
4822-130-41027	253 + 254(CP)
4822-130-41028	186A
4822-130-41031	248
4822-130-41032	165
4822-130-41034	165
4822-130-41035	323
4822-130-41036	245
4822-130-41037	263 + 264(CP)
4822-130-41038	332 + 331(CP)
4822-130-41039	130MP
4822-130-41041	382
4822-130-41042	263
4822-130-41044	263 + 264(CP)
4822-130-41045	263 + 264(CP)
4822-130-41047	165
4822-130-41048	185
4822-130-41049	373
4822-130-41051	165
4822-130-41052	159
4822-130-41053	382
4822-130-41055	165
4822-130-41056	383 + 382(CP)
4822-130-41057	248 + 247(CP)
4822-130-41058	383 + 382(CP)
4822-130-41059	3032
4822-130-41062	176
4822-130-41063	85
4822-130-41065	312
4822-130-41066	312
4822-130-41067	123AP
4822-130-41069	165
4822-130-41071	103A
4822-130-41072	158
4822-130-41073	331
4822-130-41074	332
4822-130-41075	185 + 184(CP)
4822-130-41076	153 + 152(CP)
4822-130-41077	130
4822-130-41078	383
4822-130-41079	294 + 293(CP)
4822-130-41082	284
4822-130-41083	285
4822-130-41084	287
4822-130-41085	379
4822-130-41086	184
4822-130-41087	383
4822-130-41089	284MP
4822-130-41091	332 + 331(CP)
4822-130-41092	184
4822-130-41093	185 + 184(CP)
4822-130-41094	298
4822-130-41095	123AP
4822-130-41096	199
4822-130-41097	374
4822-130-41098	159
4822-130-41099	108
4822-130-41101	123AP
4822-130-41103	159
4822-130-41106	288
4822-130-41107	2310
4822-130-41109	374
4822-130-41113	229
4822-130-41114	152
4822-130-41119	125
4822-130-41122	62
4822-130-41124	159
4822-130-41125	210
4822-130-41126	108
4822-130-41127	199
4822-130-41128	185
4822-130-41129	184
4822-130-41131	123AP
4822-130-41132	159
4822-130-41133	123AP
4822-130-41135	234
4822-130-41136	374
4822-130-41137	199
4822-130-41138	280
4822-130-41139	382
4822-130-41141	373
4822-130-41142	312
4822-130-41144	153 + 152(CP)
4822-130-41145	185
4822-130-41146	159
4822-130-41148	199
4822-130-41149	281
4822-130-41151	284
4822-130-41152	457
4822-130-41153	254
4822-130-41154	284
4822-130-41155	285
4822-130-41156	123A
4822-130-41157	123A
4822-130-41161	123A
4822-130-41162	85
4822-130-41163	123AP
4822-130-41164	229
4822-130-41166	62
4822-130-41168	222
4822-130-41169	152
4822-130-41171	293
4822-130-41172	156
4822-130-41173	159
4822-130-41174	199
4822-130-41175	199
4822-130-41176	290A
4822-130-41177	199
4822-130-41178	107
4822-130-41179	199
4822-130-41181	199
4822-130-41182	246
4822-130-41183	159
4822-130-41184	123AP
4822-130-41185	123A
4822-130-41186	128
4822-130-41187	153
4822-130-41188	152
4822-130-41191	232
4822-130-41193	280
4822-130-41194	374
4822-130-41195	295
4822-130-41196	85
4822-130-41197	85
4822-130-41198	85
4822-130-41199	285
4822-130-41201	284
4822-130-41202	159
4822-130-41203	289A
4822-130-41205	49
4822-130-41206	50
4822-130-41209	332
4822-130-41211	263
4822-130-41212	264
4822-130-41213	280 + 281(CP)
4822-130-41214	199
4822-130-41215	85
4822-130-41217	289A
4822-130-41222	152
4822-130-41223	960
4822-130-41224	968
4822-130-41225	159
4822-130-41226	234
4822-130-41227	123AP
4822-130-41228	229
4822-130-41229	123AP
4822-130-41231	123AP
4822-130-41232	123AP
4822-130-41233	312
4822-130-41234	222
4822-130-41235	222
4822-130-41236	222
4822-130-41237	331
4822-130-41238	280 + 281(CP)
4822-130-41239	374
4822-130-41241(BEC)	395♦
4822-130-41243	271
4822-130-41244	270
4822-130-41245	253 + 254(CP)
4822-130-41246	298
4822-130-41247	375 + 398(CP)
4822-130-41249	284
4822-130-41251	284
4822-130-41252	234
4822-130-41253	159
4822-130-41254	128
4822-130-41256	288
4822-130-41257	85
4822-130-41258	85
4822-130-41259	85
4822-130-41261	123A
4822-130-41262	123AP
4822-130-41263	229
4822-130-41264	165
4822-130-41265	159
4822-130-41266	290A
4822-130-41268	123A
4822-130-41271	85
4822-130-41273	552
4822-130-41276	280 + 281(CP)
4822-130-41279	2310
4822-130-41281	271
4822-130-41282	270
4822-130-41286	199
4822-130-41287	199
4822-130-41288	377
4822-130-41289	378
4822-130-41291	90
4822-130-41293	87
4822-130-41294	293
4822-130-41296	374
4822-130-41297	398
4822-130-41298	290A
4822-130-41301	88
4822-130-41302	42
4822-130-41303	373
4822-130-41304	90
4822-130-41305	375
4822-130-41306	85
4822-130-41307	229
4822-130-41308	229
4822-130-41309	383(2)
4822-130-41317	290A
4822-130-41318	290A
4822-130-41319	85
4822-130-41322	85
4822-130-41323	85
4822-130-41324	85
4822-130-41803	399
4822-130-44037	154
4822-130-44104	159
4822-130-44108	154
4822-130-44121	123AP
4822-130-44154	229
4822-130-44156	159
4822-130-44195	229
4822-130-44196	199
4822-130-44197	159
4822-130-44246	199
4822-130-44256	159
4822-130-44257	123AP
4822-130-44283	383
4822-130-44358	159
4822-130-44421	153
4822-130-44461	123AP
4822-130-44465	152
4822-130-44484	159
4822-130-44503	199
4822-130-44508	165
4822-130-44568	159
4822-130-50003	5305
4822-130-50084	166
4822-130-50087	166
4822-130-50088	166
4822-130-50091	5305
4822-130-50096	552
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5614-77C	103A
5614-227(W)	159
5614-352(B)	103A
5614-415R	373
5614-471(K)	293
5614-571(K)	293
5615-1	1176§
5615-2	1176§
5616-2SK33(D)	312
5616-2SK33(E)	312
5616-2SK33D	312
5616-2SK33E	312
5616-2SK49(E)	312
5616-2SK168(D)	312
5616-3SK45(B)	454
5616-3SK45B	454
5617-004(RCA)	1175
5617-2	1175
5617-3A(RCA)	1175
5617-4(RCA)	1175
5624	1253
5629-1(RCA)	985§
5631-0A90	109
5631-0A90M	109
5631-1K34A	109
5631-1N34A	109
5631-1N60	109
5631-1N60P	109
5631-1S2076	177
5631-1S2473	519
5631-2-1K261	110MP
5631-20A90	110MP
5631-20A90H	110MP
5631-MA150	177
5632-1S2226	116
5632-1SR35-10	116
5632-51B01-02	116
5632-AN217	1060
5632-AN217BB	1060
5632-HZ11A	140A
5632-S1B01-02	116
5632-SIB01-02	552
5632-V03C	125
5632-W03B	116
5632-W06A	116
5632-W06B	116
5632-WO3B	116
5633-1S2790(W)	613
5633-1S2790W	613
5633-MV201	611
5635-EQA01-20	5029A
5635-EQA0106T	137A
5635-HZ6B1	5011T1
5635-HZ11A	140A
5635-MZ301A	140A
5635MZ309B	139A
5635-MZ309B	139A
5635-MZ310A	140A
5635-RD5R6EC	5011A
5635-RD6R2EB	5013A
5635-RD13EB	5022A
5635-RD13EB2	5022A
5635-RD15EB	5024A
5635-RD27EB	5033A
5635-UZ5R6BM	5011A
5635-UZ10BL	5019A
5635-ZB1-10	140A
5636-1S953	177
5637-1(RCA)	986
5637-3(RCA)	986
5637-SR105D	3007
5638-010(RCA)	844
5638-5(RCA)	844
5638-10(RCA)	844
5641-1S1211	601
5641-1S1212	601
5641-MV11	116
5641-VD1220	605A
5649-3(RCA)	1652
5652-AN217	1060
5652-AN217BB	1060
5652-AN7218	1563
5652-AN7410NS	1560
5652-BA401	1104
5652-BA402	1100
5652-BA1310	1226
5652-BA1320	1248
5652-BA5402	1619
5652-BA6124	1561
5652-HA1156	801
5652-HA1325	1238§
5652-HA11123	1527
5652-HA11211	1486
5652-HA11223W	1482
5652-LB1405	1515
5652-M51513L	1256
5652-TA7658P	1571
5652-UPC575C2	1140
5652-UPC587C2	1226
5652-UPC1018C	1563
5652-UPC1026C	1226
5654-M53203P	7403
5654-UPD4011C	4011B
5661-03P05M	5410
5661-C6B3	5400
5680	129
5683-1S2790W	613
5685-S4VB20	5313
5685-S5VB20	5313
5701	159
5710	229
5714	289A
5721	123A
5721-1(RCA)	558
5723P	801
5724P	801
5757	781
5762-1(RCA)	230
5762-2(RCA)	231
5766-25	102
5778-1(RCA)	56008
5778-2(RCA)	56008
5779-1(RCA)	5655
5780-004(RCA)	230
5780-1	230
5780-1(RCA)	5511
5780-4	230
5780-4(RCA)	230
5780-6	230
5780-6(RCA)	5351
5781-004(RCA)	5402
5781-2(RCA)	5401
5781-4	5402
5781-4(RCA)	5402
5802B	448B
5802B-14	448B
5805B	448E
5805B-24	448E
5806-0000-013	5801
5807B	448G
5807B-40	448G
5815	723
5829-501(RCA)	189
5829-502(RCA)	189
5829-503(RCA)	188
5829-504(RCA)	188
5847(RCA)	184
5861	125
5880	1198
5908P5	4900
5909-001	181
5914-501(RCA)	503
5923	5801
5932	789
5935-01-123-6395	209
5961-00-069-7737	109
5961-00-071-1699	102A
5961-00-336-9367	123A
5961-00-336-9368	159
5961-00-489-4874	5372
5961-00-615-0195	5010A
5961-00-865-0731	113A
5961-00-988-7738	5874
5961-00-988-8784	102
5961-01-035-6099	139A
5961-01-036-4639	5097A
5961-01-061-2050	236
5961-01-098-0841	165
5961-01-103-0633	5685
5961-01-104-2285	222
5961-01-105-9134	5324
5961-01-106-0166	168
5961-01-106-4448	5414
5961-01-110-4642	125
5961-01-118-9015	280
5961-01-137-3868	266
5961-01-143-5001	512
5961-01-143-9168	121
5961-01-146-7421	5800
5961-01-148-4907	511
5962-00-117-8725	9924§
5962-00-469-9262	9982
5962-01-109-8837	7416
5962-01-110-1747	7414
5962-01-110-1748	7408
5962-01-110-1749	7417
6001	1115
6003	312
6007-3	708
6008	160
6008(E.F.Johnson)	160
6011	312
6011(Fisher)	312
6013	312
6014	312
6014(Fisher)	312
6018(Peavey)	373
6019	177
6019(Peavey)	374
6042-2(RCA)	119
6063	8063
6070	8070
6076	8076
6082	8081
6091	8090
6096	8096
6099	8098
6099-2	196
6100	158
6100-35	158
6102	178MP
6109	8108
6115(TCO)	8115
6115(G.E.)	5072A
6115(Zener)	5072A
6117-1	278
6126	8125
6129-P1	519
6130-01-051-0580	503
6136	123A
6139	8139
6142G	5424
6143H827(RadShk)	123AP
6149-1(RCA)	515
6149-2(RCA)	515
6150	8149
6151(RCA)	128
6154	126A
6155	126A
6158	108
6158-3	108
6161-11(RCA)	558
6161-12(RCA)	552
6161-13(RCA)	558
6162	126A
6171-031(RCA)	558
6171-044(RCA)	552
6171-11(RCA)	558
6171-12(RCA)	515
6171-13(RCA)	558
6171-14(RCA)	515
6171-15(RCA)	515
6171-17(RCA)	506
6171-18	506
6171-19(RCA)	515
6171-20(RCA)	515
6171-21(RCA)	156
6171-22(RCA)	506
6171-24(RCA)	558
6171-25(RCA)	552
6171-26(RCA)	125
6171-27(RCA)	558
6171-28	116
6171-29(RCA)	552
6171-30(RCA)	552
6171-31(RCA)	558
6171-32(RCA)	552
6171-33(RCA)	558
6171-34(RCA)	558
6171-35(RCA)	552
6171-36	525
6171-36(RCA)	525
6171-37(RCA)	552
6171-39(RCA)	525
6171-41	581
6171-44(RCA)	552
6171-46(RCA)	552
6179-007(RCA)	109
6179-1(RCA)	109
6179-7(RCA)	109
6181-1	154
6183-2(RCA)	119
6183-4(RCA)	503
6183-5(RCA)	506
6183-6(RCA)	119
6183-8(RCA)	119
6185-3	108
6188-1(RCA)	123AP
6201	159
6221	221
6227	222
6284	128
6285	129
6300-1	74S387
6300-1J	74S387
6300-1N	74S387
6301-1	74S287
6301-1J	74S287
6301-1N	74S287
6305-1	74S570
6305-1J	74S570
6305-1N	74S570
6306-1	74S571
6306-1J	74S571
6306-1N	74S571
6313	160
6330-1	74S188
6330-1J	74S188
6330-1N	74S188
6331-1	74S288
6331-1J	74S288
6331-1N	74S288
6340-1	74S475
6340-1J	74S475
6340-1N	74S475
6341-1	74S474
6341-1J	74S474
6341-1N	74S474
6343-1	123A
6348-1	74S473
6348-1J	74S473
6348-1N	74S473
6349-1	74S472
6349-1J	74S472
6349-1N	74S472
6352-1	74S572
6352-1J	74S572
6352-1N	74S572
6353-1	74S573
6353-1J	74S573
6353-1N	74S573
6367	123A
6367-1	123A
6377-1(Sylvania)	131
6377-2(Sylvania)	155
6380-1	130
6380-1(PROM)	74S479
6380-1J	74S479
6380-1N	74S479
6380-3	152
6381-1	175
6381-1(PROM)	74S478
6381-1J	74S478
6381-1N	74S478
6381-2	152
6382-2	152
6401	163A
6432-3	139A
6440	102
6445	100
6452	102
6458D(IC)	778A
6502	6502
6502(MPU)	6502
6502B(MPU)	6502
6507(Airline)	108
6507(MPU)	6507
6508(RAM)	6508
6514	123A
6515-00-541-3363	100
6531	107
6532(RAM,I/O)	6532
6551	722
6562-O	290A
6570(IC)	941M
6572(IC)	778A
6604(RAM)	2104
6604A(RAM)	2104
6605(RAM)	2107
6605A(RAM)	2107
6629	125
6629-A05	125
6651-486	128
6664(RAM)	6664
6665(RAM)	2164
6689-1(RCA)	616
6690-1(RCA)	177
6690-2(RCA)	177
6701-1(RCA)	1177
6796-100(RCA)	844
6800	6800
6800C	6800
6800N	6800
6800P	6800
6802	6802
6802C	6802
6802P	6802
6802T	6802
6809(MPU)	6809
6809E(MPU)	6809E
6810(RAM)	6810
6818	105
6820(PIA)	6821
6821(PIA)	6821
6839(GE)	339
6850(ACIA)	6850
6854K90-062	159
6854K90-074	123A
6855K90	106
6860-1(RCA)	532
6860-2(RCA)	537
6865-1(RCA)	532
6875(Clock)	6875
6889(IC)	6889
6900K91-002	9944
6900K91-003	9946
6900K91-004	9962
6900K91-006	9936
6900K91-007	9932
6900K91-009	9157
6900K93-001	9951
6900K93-002	9941
6900K95-001	9099
6900K95-002	9093
6930-1(RCA)	505
6930-2(RCA)	505
6933-501(RCA)	505
6933-503(RCA)	505
6954K90-074	123A
6990	160
7001(DARLINGTON)	172A
7001(E.F. Johnson)	123A
7005G(Lowrey)	123A
7013-1(RCA)	221
7014-1(RCA)	222
7018-002(RCA)	108
7018-2(RCA)	108
7019-1(RCA)	108
7022-1	553
7022-1(RCA)	553
7022-2(RCA)	553
7032-002(RCA)	614
7032-2(RCA)	614
7040-1(RCA)	616
7044-1(RCA)	616
7046-004(RCA)	142A
7046-1(RCA)	145A
7046-4(RCA)	5127A
7046-5(RCA)	5085A
7046-8(RCA)	5127A
7046-10(RCA)	5133A
7046-11(RCA)	5135A
7046-13(RCA)	5136A
7046-14(RCA)	5134A
7046-16(RCA)	5133A
7046-17(RCA)	5116A
7046-19(RCA)	5119A
7046-20(RCA)	5142A
7046-21(RCA)	5131A
7046-28(RCA)	5116A
7049	1115
7049-003(RCA)	146A
7049-009(RCA)	5029A
7049-1(RCA)	5031A
7049-4(RCA)	616
7049-9(RCA)	5029A
7069-1(RCA)	616
7074-1(RCA)	616
7081-501(RCA)	145A
7104-1	352
7106AAC	2051
7106CDL	2051
7106CPL	2051
7107AAC	2050
7107CDL	2050
7107CPL	2050
7112	177
7112(Transistor)	229
7113	123A
7114	108
7115	708
7115(STELMA)	708
7115(Transistor)	108
7115(IC)	708
7116	229
7117(GE)	108
7118	108
7120	108
7120A(G.E.)	712
7120S	123A
7122	108
7122-5	123A
7123	108
7124	108
7125	108
7126	108
7127	108
7128	108
7129	123A
7131	108
7132	108
7133	108
7134	108
7140	541
7140B	548
7149A	712
7161	OBS-NLA
7161(Wurlitzer)	OBS-NLA
7171	123A
7171(GE)	123A
7172	123A
7172-54	105
7173	108
7174	108
7175	108
7176	123A
7177	108
7177S	108
7178	108
7204A	804
7204A(Sears)	804
7206-0	120
7209A	120
7211-9	116
7212-3	116
7212-3A	116
7213	152
7213(Diode)	116
7213-0	117A
7213-7	116
7214	108
7214(Lowrey)	130
7214-6	125
7214A	130
7215	108
7215-0	102A
7215-1	125
7215-2	125
7216	108
7217	108
7218	108
7219	108
7219-3	131
7220	108
7221	108
7221A	712
7232	108
7233	229
7233S	229
7234	108
7235	108
7236	229
7236S	229
7237	108
7238	108
7239	102
7245(EBC-GE)	229
7252	152
7253(Lowrey)	154
7261	229
7262	108
7263	229
7264	229
7265(EBC-GE)	319P
7301-1	129
7302-1(RCA)	123AP
7303(RCA)	159
7303-1	159
7303-1(RCA)	159
7303-2	159
7303-3	159
7303-3(RCA)	159
7303-4	159
7303-5(RCA)	159
7303-6(RCA)	159
7305-2(RCA)	153
7306	123AP
7306-013(RCA)	123AP
7306-1	123AP
7306-1(RCA)	123AP
7306-3	123AP
7306-4	123AP
7306-4(RCA)	123AP
7306-5	123AP
7306-6(RCA)	123AP
7306-7	123AP
7306-8(RCA)	123AP
7306-9(RCA)	123AP
7306-11	123AP
7306-11(RCA)	123AP
7306-13	123AP
7306-13(RCA)	123AP
7306-15(RCA)	123AP
7309-2(RCA)	123AP
7309-3	123AP
7309-3(RCA)	123AP
7309-4(RCA)	123AP
7309-5(RCA)	123AP
7310(G.E.)	124
7311	124

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
7311(GE)	124
7312	175
7313(Transistor)	124
7313(IC)	713
7314	116
7316	188
7316-1(RCA)	188
7317	124
7317-1(RCA)	189
7318	123AP
7318-1	194
7318-2	194
7318-2(RCA)	194
7318-7	123AP
7318-7(RCA)	123AP
7320-1(RCA)	162
7321	194
7321-004(RCA)	287
7321-1(RCA)	194
7321-2(RCA)	287
7321-3(RCA)	287
7322	175
7322-1(RCA)	175
7325	123AP
7325-1	123AP
7325-1(RCA)	123AP
7325-3(RCA)	123AP
7327-2(RCA)	123AP
7329	128
7330	159
7330-1	159
7330-1(RCA)	159
7330-2	159
7330-3	159
7330-4	159
7330-5(RCA)	159
7330-6	159
7330-6(RCA)	159
7330-9(RCA)	159
7330-10(RCA)	159
7330-12	159
7330-15(RCA)	159
7331-1(RCA)	196
7333-1(RCA)	123AP
7334	123AP
7334-1	123AP
7335	165
7335-1(RCA)	165
7338-5(RCA)	128
7338-6	128
7338-7(RCA)	128
7339	159
7339-006(RCA)	159
7339-1	159
7339-3	159
7339-3(RCA)	159
7339-6	159
7339-6(RCA)	159
7339-7(RCA)	159
7340	106
7340-2	123AP
7341	505
7342-1(RCA)	123AP
7343-1	123AP
7343-1(RCA)	123AP
7343-2(RCA)	123AP
7343-3(RCA)	123AP
7344	177
7344-1	123AP
7344-1(RCA)	194
7344-2	123AP
7344-3(RCA)	194
7344-5	123AP
7344-5(RCA)	123AP
7345-2	128
7346-003(RCA)	123AP
7346-004(RCA)	123AP
7346-1(RCA)	47
7346-3(RCA)	123AP
7346-4(RCA)	123AP
7347	159
7347-004(RCA)	159
7347-1	159
7347-2(RCA)	159
7347-3(RCA)	159
7347-4	159
7347-4(RCA)	159
7349	128
7349-2(RCA)	123AP
7349-3(RCA)	123AP
7351	185
7352-2	171
7352-5(RCA)	188
7352-6	210
7352-6)RCA)	210
7352-7(RCA)	188
7353-5(RCA)	189
7356-2(RCA)	162
7357-1(RCA)	191
7358-1	152
7359-1	185
7360-003(RCA)	229
7360-1	108
7360-1(RCA)	229
7361-1(RCA)	191
7362-006(RCA)	171
7362-1	171
7362-2(RCA)	171
7362-3(RCA)	171
7362-4	171
7362-5(RCA)	171
7362-6(RCA)	171
7362-7(RCA)	171
7363-1	159
7364-1	196
7364-1(RCA)	196
7364-6053P1	195A
7366	165
7366-1(RCA)	165
7367-1(RCA)	395
7368(RCA)	222
7368-1	222
7368-2	222
7368-4(RCA)	222
7369-1	222
7369-2(RCA)	222
7370	165
7370-1(RCA)	165
7372-1	222
7373-1(RCA)	159
7373-2(RCA)	159
7374-2(RCA)	123AP
7374-3(RCA)	123AP
7374-4(RCA)	123AP
7375-6(RCA)	172A
7376-1	222
7376-1(RCA)	222
7376-2	222
7376-2(RCA)	222
7376-3(RCA)	222
7376-5(RCA)	222
7377-2(RCA)	107
7377-3	229
7377-3(RCA)	229
7377-4(RCA)	107
7377-6	108
7377-6(RCA)	108
7377-7	229
7377-7(RCA)	108
7380-1(RCA)	238
7380-2(RCA)	389
7380-3	238
7381-2	123AP
7382-1(RCA)	5400
7391BT(Delco)	29
7391-BT(Delco)	29
7392-1	108
7392-1(RCA)	108
7392-2(RCA)	108
7398-1	49
7398-2(RCA)	49
7398-5(RCA)	152
7398-6117P1	123A
7398-6118P1	123A
7398-6119P	123A
7398-6119P1	123A
7398-6120P	300
7398-6120P1	300
7399-005(RCA)	152
7399-4	152
7399-5	152
7399-5(RCA)	152
7399-6(RCA)	375
7399-8(RCA)	152
7400	7400
7400-1(RCA)	123AP
7400-6A	7400
7400-9A	7400
7400/9N00	7400
7400A	7400
7400N	7400
7400PC	7400
7401-1	159
7401-1(RCA)	159
7401-6A	7401
7401-9A	7401
7401PC	7401
7402	708
7402(TTL)	7402
7402-1	159
7402-6A	7402
7402-9A	7402
7402N	7402
7402PC	7402
7403	505
7403-1	238
7403-1(RCA)	238
7403-6A	7403
7403-9A	7403
7403PC	7403
7404-6A	7404
7404-9A	7404
7404A	7404
7404N	7404
7404PC	7404
7405	7405
7405-002(RCA)	299
7405-2	229
7405-2(RCA)	299
7405-6A	7405
7405-9A	7405
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7410-6A	7410
7410-9A	7410
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7411PC	7411
7412	7412
7412DC	7412
7412PC	7412
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7431	123A
7432	123A
7432PC	7432
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7433(Transistor)	123A
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7450PC	7450
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7451-9A	7451
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7453-6A	7453
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7453PC	7453
7454-6A	7454
7454-9A	7454
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7460-6A	7460
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7485DC	7485
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7492-9A	7492
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7493	7493A
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7493DC	7493A
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7586	123A
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7587	123A
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7588	123A
7588(GE)	123A
7589	123A
7590	123A
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8417	7417◆
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8422	7422◆
8423	7423◆
8425	7425◆
8427	7427◆
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8483A	7483◆
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8517	293
8518(EPROM)	2708
8520(Chry)	1232
8521(GE)	123AP
8522(GE)	159
8530	123A
8531	123A
8540	159
8550C	290A
8554-9	128
8564-1	310
8564-2(RCA)	308
8564-5	310
8564-6	308
8564-7	310
8564-8(METAL)	308
8564-8(PLASTIC)	308P
8564-11	310
8564-12	308
8600	123A
8601	159
8602	123A
8606	108
8607	108
8609	108
8611	108
8611-1	B25240T◆
8614 007 0	123A
8615-1(RCA)	108
8620	175
8624-003	129
8638A(RCA)	284MP
8640-1(RCA)	108
8649-1(RCA)	108
8654-1	312
8694-1(RCA)	222
8710-52	177
8710-53	109
8710-54	139A
8710-55	116
8710-161	312
8710-162	108
8710-163	123A
8710-164	123A
8710-165	123A
8710-166	123A
8710-167	123A
8710-168	123A
8710-169	159
8710-170	186
8710-171	1100
8710-172	1142
8800-201	116
8800-202	123A
8800-203	123A
8800-204	123A
8800-205	152
8800-206	116
8840-53	177
8840-54	109
8840-55	139A
8840-56	116
8840-161	312
8840-162	107
8840-163	123A
8840-164	123A
8840-165	123A
8840-166	123A
8840-167	123A
8840-168	123A
8840-169	186
8840-170	1100
8840-171	720
8864-1	116
8867	159
8868-6	128
8868-7	199
8868-8	123A
8880-3	128
8883-2	121
8883-4	128
8886-2	123A
8888-00005-013	295
8910-52	177
8910-53	110MP
8910-54	5072A
8910-55	116
8910-141	312
8910-142	229
8910-143	123A
8910-144	199
8910-145	123A
8910-146	186A
8910-147	1100
8910-148	1142
8917-1(RCA)	1175
8999-115	104
8999-201	116
8999-202	102A
8999-203	158
8999-205	116
9005	703
9005(Fisher)	OBS-NLA
9005-0	121
9006	703
9006(Fisher)	OBS-NLA
9007	750
9007(Fisher)	750
9008	760
9008(Fisher)	760
9010	746
9010(Fisher)	746
9011	123AP
9011(Transistor)	123A
9011(Fisher)	720
9011D	123AP
9011E	123AP
9011F	123AP
9011G	123AP
9011H	123AP
9011I	123AP
9012	159
9012D	159
9012E	159
9012F	159
9012G	159
9012H	159
9012HE	102A
9012HF	102A
9012HF(Midland)	159
9012HG(Midland)	159
9012R	159
9013	123AP
9013D	123AP
9013E	123AP
9013F	123AP
9013G	123AP
9013H	123AP
9013HF	123AP
9013HG	123AP
9013HH	123AP
9014	123AP
9014(EBC)	199
9014A(EBC)	199
9014B	123AP
9014B(EBC)	199
9014C	123AP
9014C(EBC)	199
9014D	123AP
9014D(EBC)	199
9015	159
9015A	159
9015B	159
9015C	159
9015D	159
9016	107
9016D	107
9016E	107
9016F	107
9016G	107
9016H	107
9016I	107
9018	108
9018(Fisher)	788
9018D	108
9018E	108
9018EF	108
9018F	108
9018G	108
9018H	108
9018I	108
9019	801
9019(Fisher)	801
9020-07(FORD)	1288
9033	123A
9033(Sylvania)	123A
9033-1	123A
9033-1(BROWN)	123AP
9033-2	199
9033-2(WHITE)	123AP
9033-3	199
9033-4	199
9033-5	199
9033Brown	123A
9033G(Sylvania)	123A
9033Green	199
9033O	123AP
9033Orange	199
9033Q	199
9033R	123AP
9033Red	199
9033W	123AP
9033White	199
9042	287
9042A	287
9042B	287
9043	287
9043A	287
9050-1	910D
9060(RAM)	2107
9080A(MPU)	8080A
9092	288
9092A	288
9092B	288
9093	288
9093-1-6A	9093
9093-9-6A	9093
9093-9-7A	9093
9093A	288
9093B	288
9093DC	9093
9093PC	9093
9094-1-6A	9094
9094-9-6A	9094
9094-9-7A	9094
9094DC	9094
9094PC	9094
9097-1-6A	9097
9097-9-6A	9097
9097-9-7A	9097
9097DC	9097
9097PC	9097
9098	171
9098-1(RCA)	191
9099-1-6A	9099
9099-9-6A	9099
9099-9-7A	9099
9099DC	9099
9099PC	9099
9100-1	116
9102(RAM)	2102
9109	9109
9109DC	9109
9110DC	9110§
9111DC	9111
9112C	159
9112DC	9112§
9114(RAM)	2114
9114B	2114
9114BDC	2114
9114BPC	2114
9114C	2114
9114DC	2114
9114PC	2114
9128-1503-001	177
9135PC	9135
9137-C-1004	9945
9137-C-1020	9962
9144-60	787
9144-61	788
9147(RAM)	2147
9157PC	9157
9158PC	9158
9181P1(GE)	349
9181P2(GE)	350
9181P3(GE)	351
9181P4(GE)	351
9279	128
9300	108
9300-5	116
9300-6	116
9300-7	116
9300A	108
9300B	108
9300Z	108
9301-1	116
9301DC	8301
9301PC	8301
9302-2	117A
9302-2A	117A
9302-3	116
9307	7448
9308DC	8308
9308PC	8308
9309DC	8309
9309PC	8309
9310	74160
9311	74154
9314	108
9314DC	8314
9314PC	8314
9315DC	7441
9315PC	7441
9316	74161
9316/74161	74161
9316DC	8316
9316DM	8316◆
9316PC	8316
9317B	7446
9317C	7446
9318DC	8318
9318PC	8318
9321DC	8321
9321PC	8321
9322-593-50112	287
9328DC	8328
9328PC	8328
9329	123AP
9330-000-00112	109
9330-000-30112	110MP
9330-000-40112	109
9330-000-80112	109
9330-000-90112	109
9330-001-50112	109
9330-001-90112	109
9330-002-10112	109
9330-002-11112	109
9330-002-30112	109
9330-002-40112	109
9330-004-10112	519
9330-004-30112	519
9330-005-20112	125
9330-005-50112	125
9330-005-60112	125
9330-005-90112	166
9330-006-00112	168
9330-006-10112	125
9330-006-11112	116
9330-006-30112	5010T1
9330-009-00112	131MP
9330-010-70112	102A(2)
9330-011-70112	102A
9330-012-70112	158
9330-013-30112	123AP
9330-013-40112	123AP
9330-023-10112	160
9330-023-70112	160
9330-024-20112	126A
9330-024-70112	160
9330-025-20112	126A
9330-025-50112	160
9330-025-90112	160
9330-026-90112	160
9330-027-30112	160
9330-028-80112	154
9330-029-00112	108
9330-029-11112	229
9330-029-21112	229
9330-029-30112	161
9330-030-30112	103A + 102A(CP)
9330-031-30112	103A + 102A(CP)
9330-032-71000	166
9330-033-01112	166
9330-040-00110	109
9330-040-10112	109
9330-040-20112	519
9330-040-50112	109
9330-041-40112	109
9330-041-60112	109
9330-042-40112	519
9330-068-30112	184
9330-077-00000	610
9330-086-40112	177
9330-086-50112	177
9330-087-40112	168
9330-087-80112	519
9330-088-10112	5010T1
9330-088-20112	5011T1
9330-088-21112	5011T1
9330-088-30112	5013T1
9330-088-80112	5011T1
9330-088-90112	5013T1
9330-089-40112	5013T1
9330-089-70112	5021T1
9330-091-00112	5011T1
9330-091-10112	5013T1
9330-092-10112	5021T1
9330-092-70112	5010T1
9330-092-80112	5011T1
9330-092-90112	5013T1
9330-093-40112	5019T1
9330-093-60112	5021T1
9330-094-00112	5025A
9330-104-58110	159
9330-104-58112	159
9330-114-60112	130
9330-114-70112	130
9330-114-90112	154
9330-123-20112	159
9330-125-40112	581
9330-127-00112	519
9330-206-50112	229
9330-206-60112	229
9330-213-80112	103A
9330-215-20112	552
9330-215-80112	85◆
9330-216-00112	154
9330-216-10112	154
9330-216-20112	161
9330-216-70112	125
9330-220-40112	5019T1
9330-220-60112	5021T1
9330-225-50112	519
9330-226-50112	130
9330-228-60112	519
9330-228-90112	177
9330-229-10112	116
9330-229-20112	552
9330-229-60112	229
9330-229-70112	229
9330-278-00112	160
9330-278-60112	158
9330-278-80112	110MP
9330-279-00112	160
9330-279-30112	154
9330-300-00112	161
9330-302-20112	160
9330-302-40112	158
9330-327-70112	123AP
9330-327-80112	123AP
9330-329-00112	123AP
9330-330-50112	123AP
9330-350-30112	123AP
9330-355-30112	581
9330-358-00112	123AP
9330-358-10112	123AP
9330-358-20112	123AP
9330-361-80112	389
9330-374-10112	102A
9330-377-00112	5010T1
9330-377-10112	5013T1
9330-401-20112	199
9330-455-00112	454
9330-458-40112	116
9330-463-30112	5013T1
9330-465-00112	154
9330-466-50112	125
9330-488-40112	123AP
9330-488-50112	123AP
9330-494-20112	123AP
9330-494-30112	123AP
9330-494-40112	123AP
9330-499-40112	130
9330-519-90112	160
9330-526-70112	159
9330-526-80112	159
9330-528-60112	519
9330-528-70112	519
9330-530-30112	154
9330-531-80112	229
9330-548-70112	116
9330-562-50112	229
9330-562-70112	613
9330-599-50112	519
9330-612-20112	5006A
9330-616-40112	160
9330-616-50112	160
9330-619-40112	125
9330-630-20112	229
9330-632-90112	130MP
9330-633-90112	229
9330-634-00112	229
9330-634-10112	229
9330-634-70112	519
9330-635-30112	116
9330-637-20112	159
9330-657-20112	616
9330-676-30112	123AP
9330-676-40112	123AP
9330-676-50112	123AP
9330-676-60112	229
9330-676-70112	229
9330-688-30112	199
9330-699-30112	199
9330-699-40112	123AP
9330-699-50112	123AP
9330-699-70112	123AP
9330-699-80112	199
9330-699-90112	123AP
9330-705-20112	109
9330-734-60112	159
9330-734-70112	159
9330-760-10112	159
9330-760-20112	159
9330-760-30112	159
9330-764-50112	125
9330-767-50112	159
9330-767-60112	159
9330-802-60112	130MP
9330-803-90112	5465
9330-813-30112	85◆
9330-819-80112	519
9330-822-20112	130
9330-837-60112	130MP
9330-839-90112	519
9330-844-80112	116
9330-845-40112	199
9330-849-90112	519
9330-850-00112	159
9330-850-10112	159
9330-873-30112	166
9330-908-10112	159
9330-911-60112	373
9330-911-70112	374
9330-911-80112	374 + 373(CP)
9330-911-90112	373
9330-912-10112	374 + 373(CP)
9330-912-20112	373
9330-912-30112	374
9330-912-40112	374 + 373(CP)
9330-919-60112	165
9330-942-30112	616
9330-945-20112	290A
9330-955-50112	519
9330-960-40112	159
9330-960-50112	159
9330-960-60112	159
9330-976-60112	615A
9330-985-80112	5465
9330-985-90112	5465
9330-989-90112	596
9330-989-90115	596
9330-989-90212	596
9330-989-90215	596
9330-989-90235	596
9331-012-20112	519
9331-019-60112	288
9331-025-00112	519
9331-038-00112	199
9331-038-10112	159
9331-038-20112	159
9331-038-30112	159
9331-038-40112	159
9331-038-60112	159
9331-044-70112	125
9331-045-71112	159
9331-045-81112	159
9331-065-80112	130
9331-066-00112	312

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
9331-083-90112	229
9331-086-40112	5019T1
9331-106-80112	611
9331-124-60112	127
9331-127-00112	519
9331-143-30112	312
9331-144-90112	94
9331-146-90112	168
9331-151-70112	159
9331-174-40112	159
9331-177-20112	5010T1
9331-177-30112	5011T1
9331-177-40112	5013T1
9331-177-90112	5019T1
9331-178-10112	5021T1
9331-179-30112	5038A
9331-190-40112	130MP
9331-206-50112	229
9331-206-60112	229
9331-214-60112	519
9331-260-60112	558
9331-283-50112	125
9331-295-30112	613
9331-304-20112	123AP
9331-304-40112	123AP
9331-304-50112	123AP
9331-304-70112	123AP
9331-304-80112	123AP
9331-305-20112	159
9331-305-40112	159
9331-305-80112	332 +331(CP)
9331-307-60112	282§
9331-307-70112	323
9331-308-20112	185
9331-314-60112	199
9331-320-40112	130MP
9331-321-20112	606
9331-321-30112	5003A
9331-321-40112	5006A
9331-324-60112	127
9331-344-90112	94
9331-345-00112	581
9331-352-40112	154
9331-352-50112	154
9331-361-5012	613
9331-361-80112	389
9331-377-40112	613
9331-377-70112	613
9331-392-70112	519
9331-393-80112	154
9331-395-20112	519
9331-395-30112	519
9331-395-40112	519
9331-395-50112	177
9331-402-00112	185
9331-402-30112	184
9331-418-90112	283
9331-421-90112	580
9331-424-90112	5465
9331-434-90112	130
9331-448-90112	323
9331-491-80112	159
9331-491-90112	159
9331-492-00112	123AP
9331-492-10112	123AP
9331-492-20112	123AP +159(CP)
9331-492-30112	123AP +159(CP)
9331-509-20112	123AP
9331-509-30112	123AP
9331-509-40112	123AP
9331-509-50112	123AP
9331-509-60112	123AP
9331-509-70112	123AP
9331-509-80112	199
9331-510-00112	123AP
9331-510-20112	199
9331-510-30112	159
9331-510-40112	159
9331-510-50112	159
9331-510-60112	159
9331-510-90112	229
9331-511-20112	229
9331-561-30112	245
9331-573-10112	130MP
9331-573-20112	130MP
9331-573-30112	284MP
9331-591-80112	5125A◆
9331-592-50112	5135A◆
9331-595-90112	288
9331-598-70112	185
9331-600-00112	5074A
9331-603-50112	185
9331-603-60112	184
9331-603-70112	185
9331-608-80112	177
9331-635-00112	116
9331-642-50112	229
9331-642-60112	229
9331-661-20112	282§
9331-661-30112	323
9331-662-40112	159
9331-668-10112	5010T1
9331-668-20112	5011T1
9331-668-20113	5011T1
9331-668-30112	5013T1
9331-668-70112	5019T1
9331-668-70113	5019T1
9331-668-90112	5021T1
9331-668-90113	5021T1
9331-669-20113	5011T1
9331-669-90113	5021T1
9331-670-10112	5038A
9331-722-50112	159
9331-726-50112	312
9331-727-10112	185 +184(CP)
9331-727-40112	332 +331(CP)
9331-727-50112	332 +331(CP)
9331-757-50112	3020
9331-770-20112	185
9331-770-30112	184
9331-770-40112	185
9331-770-70112	185 +184(CP)
9331-771-10112	165
9331-795-20112	298
9331-795-30112	298
9331-795-50112	123AP
9331-795-60112	298
9331-795-80112	123AP
9331-795-90112	123AP
9331-796-10112	123AP
9331-796-20112	123AP
9331-796-60112	123AP
9331-810-01682	941M
9331-834-60112	581
9331-834-80112	508◆
9331-843-60112	3020
9331-849-10112	595
9331-849-10115	595
9331-849-10212	595
9331-849-10215	595
9331-858-20112	4928
9331-884-80112	373
9331-895-60112	323
9331-905-70112	456
9331-911-70112	374
9331-918-10112	283
9331-938-10112	283
9331-950-30112	197
9331-972-70112	263
9331-972-80112	263
9331-974-20112	248 +247(CP)
9331-974-30112	248
9331-974-40112	248
9331-974-60112	247
9331-976-10112	123AP
9331-976-20112	123AP
9331-976-30112	123AP
9331-976-40112	123AP
9331-976-50112	123AP
9331-976-60112	123AP
9331-976-80112	123AP
9331-976-90112	123AP
9331-977-00112	199
9331-977-20112	159
9331-977-30112	159
9331-977-40112	159
9331-977-50112	159
9331-977-60112	159
9331-977-70112	159
9331-977-80112	159
9331-978-20112	246
9331-981-40112	5220A
9331-985-30112	153
9331-985-40112	152
9331-985-50112	153
9331-985-60112	153 +152(CP)
9331-985-70112	153 +152(CP)
9331-987-70112	229
9331-987-80112	229
9332-023-30112	165
9332-023-40112	165
9332-023-60112	165
9332-023-80112	116
9332-024-20112	116
9332-026-20112	159
9332-027-50112	152
9332-027-60112	153
9332-030-20112	615A
9332-055-20112	123AP
9332-055-40112	159
9332-064-90112	153 +152(CP)
9332-066-00112	287
9332-068-80112	552
9332-075-20112	123AP
9332-075-30112	123AP
9332-075-40112	123AP
9332-075-50112	123AP
9332-075-70112	199
9332-081-80112	552
9332-081-90112	558
9332-083-90112	519
9332-084-00112	519
9332-084-10112	519
9332-152-80112	165
9332-159-20112	610
9332-173-60112	5465
9332-200-00112	331
9332-200-10112	332
9332-201-10112	5812
9332-203-40112	3010
9332-208-70112	5465
9332-219-30112	382
9332-219-40112	382
9332-219-50112	383
9332-219-60112	383
9332-219-70112	383
9332-225-10112	165
9332-225-20112	165
9332-226-40112	383 +382(CP)
9332-226-50112	383 +382(CP)
9332-237-40112	3074
9332-239-10112	5010T1
9332-243-60112	165
9332-252-20112	263 +264(CP)
9332-252-70112	248 +247(CP)
9332-264-90112	552
9332-265-00112	552
9332-274-10112	283
9332-277-10112	165
9332-278-00112	94
9332-283-80112	160
9332-303-20112	130
9332-303-30112	130
9332-305-90112	332 +331(CP)
9332-306-60112	263
9332-306-90112	263 +264(CP)
9332-345-50112	253 +254(CP)
9332-350-20112	374
9332-375-40112	580◆
9332-377-70112	123AP
9332-377-80112	123AP
9332-377-90112	199
9332-387-50112	3007
9332-436-00112	199
9332-436-30112	159
9332-467-60112	2345
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9332-467-80112	2345
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9332-467-90127	2346
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9332-468-20112	2345
9332-468-20127	2345
9332-468-30112	2346
9332-468-30127	2346
9332-580-10112	109
9332-582-00112	109
9332-588-40112	116
9332-593-50112	399
9332-593-60112	288
9332-596-10112	5021T1
9332-610-40112	294 +293(CP)
9332-625-40112	165
9332-635-10112	123AP
9332-635-10747	199
9332-635-30112	123AP
9332-641-90112	3010
9332-643-00112	254
9332-644-70112	616
9332-646-10112	130
9332-671-80112	611
9332-696-70112	374
9332-699-50112	263
9332-699-60112	263
9332-699-90112	264
9332-700-00112	262
9332-704-20112	159
9332-715-60112	2327
9332-715-60127	2327
9332-715-70112	2327
9332-715-70127	2327
9332-715-90112	3020
9332-726-20112	184
9332-733-30112	3022
9332-762-20112	165
9332-788-80112	3020
9332-800-60112	116
9332-833-00112	558
9332-846-10112	284
9332-846-20112	285
9332-853-60112	331
9332-853-70112	332
9332-860-60112	3024
9332-860-70112	3010
9332-860-90112	3011
9332-883-00112	379
9332-886-10112	3020
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9332-890-40127	2313
9332-965-90112	2313
9332-965-90127	2313
9332-979-90112	552
9333-004-10112	116
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9333-184-80112	3025
9333-203-20112	519
9333-203-30112	3008
9333-203-40112	3008
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9333-217-60112	185 +184(CP)
9333-237-40112	3074
9333-240-60112	3007
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9333-266-20116	2341
9333-266-20126	2341
9333-266-30112	2341
9333-266-30116	2341
9333-266-40112	2341
9333-266-40116	2341
9333-266-40126	2341
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9333-303-40112	968
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9333-526-70112	199
9333-526-90112	159
9333-608-70112	519
9333-637-10112	253 +254(CP)
9333-638-00112	3079
9333-646-50112	263 +264(CP)
9333-663-00112	123AP
9333-663-30112	123AP
9333-664-00112	159
9333-727-10112	615A
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9333-929-30112	116
9333-970-00112	3007
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9334-107-10212	594
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9334-180-70112	2428
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9334-309-30112	284
9334-309-40112	285
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9334-520-20127	2343
9334-520-30112	2343
9334-520-30127	2343
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9334-606-20235	593
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9334-735-40412	395
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9336-214-60112	2311
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9336-551-60113	580
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9336-615-40215	2406
9336-615-40235	2406
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9336-768-10112	2319
9336-768-20112	2319
9336-768-30112	2319
9336-768-40112	2319
9336-768-50112	2319
9336-768-60112	2319
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9336-923-40682	960
9336-976-70112	199
9337-025-90112(ECB)	287
9337-025-90412(ECB)	287
9337-026-00127(ECB)	187A
9337-026-10412	47
9337-029-40112	2318
9337-029-40127	2318
9337-035-30112(CBE)	159
9337-035-30412(CBE)	159
9337-035-40412(CBE)	123AP
9337-035-50412(CBE)	123AP
9337-035-70112(CBE)	123AP
9337-035-70412(CBE)	123AP
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9337-223-50112	2401
9337-223-50215	2401
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9337-371-40215	2410
9337-371-60212	2411
9337-371-60215	2411
9337-463-40412(CBE)	123AP
9337-463-50412(CBE)	123AP
9337-463-60412	294
9337-463-70412	383
9337-463-80412(CEB)	229
9337-464-00112	382
9337-464-00412	382
9337-902-40412(CBE)	199
9338-315-60682	964
9339-012-20112	519
9341DC	74181
9341PC	74181
9342DC	74182
9345DC	7445
9345PC	7445
9348-3	116
9352DC	7442
9352PC	7442
9353DC	7443
9353PC	7443
9354DC	7444
9354PC	7444
9357A	7446
9357ADC	7446
9357APC	7446
9357B	7447
9357BDC	7447
9357BPC	7447
9358	7448
9358DC	7448
9358PC	7448
9360DC	74192
9360PC	74192
9366DC	74193
9366PC	74193
9367-1	128
9368DC	8368
9368PC	8368
9370DC	8370
9370PC	8370
9374DC	8374
9374DM	8374◆
9374PC	8374
9375DC	7475
9375PC	7475
9377	7497
9380DC	7480
9380PC	7480
9382DC	7482
9382PC	7482
9383DC	7483
9383PC	7483
9385DC	7485
9385PC	7485
9390	102
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9390DC	7490
9390PC	7490
9391	102
9391DC	7491
9391PC	7491
9392DC	7492
9392PC	7492
9393	7493A
9393/7493	7493A
9393DC	7493A
9393PC	7493A
9394DC	7494
9394PC	7494
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9401-7	102A
9403-2	121
9403-3	160
9403-6	160
9403-7	102A
9403-8	126A
9403-9	102A
9404	140A
9404-0	121
9404-2	128
9404-3	195A
9404-9	175
9405-0	128
9405-1	128
9405-2	129
9406	5089A
9408	5088A
9409-4	175
9410A	123A
9413	137A
9426B	108
9426C	108
9440	177
9501	199
9502	199
9510-1	160
9510-2	160
9510-3	126A
9510-7	160
9513	108
9517-4	107
9521	722
9526	159
9550-1	829
9563	123AP
9564	102A
9570	123AP
9571	159
9582	185
9600	123A
9600-5	123A
9600C	108
9600DC	9600
9600DM	9600◆
9600F	108
9600G	108
9600H	108
9600PC	9600
9601	108
9601-12	108
9601DC	9601
9601PC	9601
9602(IC)	9602
9602DC	9602
9602DM	9602◆
9602PC	9602
9603	74121
9604E	108
9604F	108
9606	5014A
9607	5015A
9615DC	9615
9615DM	9615◆
9615PC	9615
9617K	128
9618	229
9623F	108
9623G	108
9623H	108
9625F	108
9625H	108
9630(Scott)	85
9630C	108
9640	188
9641	189
9644	177
9646	177
9649	159
9650-001	116
9652H	159
9654-030.31	153 +152(CP)
9654-031.31	153 +152(CP)
9664PC	75492B
9665DC	2011
9665PC	2011
9666DC	2012
9666PC	2012
9667DC	2013
9667PC	2013
9668DC	2014

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To Be Replaced	ECG Replacement
9668PC	2014
9680(Scott)	290A
9692-1	723
9693-1	787
9694-1	724
9696H	128
9779	1288
9803	177
9842FF	723
9861B-43	109
9920-3-6	125
9920-4	102A
9920-5	102A
9920-6-1	123A
9920-6-2	123A
9920-7-2	123A
9921-7	102A
9921-8	102A
9923	OBS-NLA
9923(Regency)	OBS-NLA
9923-U8A99238X	OBS-NLA
9925-0	121
9925-2	124
9925-2-1	124
9925-2-2	124
9942PC	74182
9970	5004A
9971	5006A
9972	5008A
9973	5010A
9979-1(RCA)	161
9981	5112A
9982	5114A
9983	5116A
9984	5119A
9992	5241A
9993	5243A
9994	5246A
10003	181
10010	5870
10020	5074A
10031	113A
10032	102A
10036	102A
10036-001	129
10037	102A
10038	102A
10039	102A
10060-0	159
10100	125
10180	116
10181	109
10226/2	123A
10261	130
10300	159
10300-12	129
10302-01	7430
10302-02	7420
10302-03	7410
10302-04	7400
10302-05	7451
10302-06	7405
10416-009	123A
10416-010	128
10650A01	778A
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10655A01-3	798
10655A03	738
10655A03A	738
10655A05	749
10655A13	748A
10655B01	798
10655B02	748A
10655B03	738
10655B14	831§
10655C05	749
10658A01	788
10795-5	9945
10795-6	9946
10795-8	9962
10795-9	9093
10795-10	9099
10895	519
10909	116
11000	234
11200-1	7410
11202-1	7404
11203-1	7493A
11204-1	74193
11205-1	7420
11206-1	7470
11207-1	7402
11208-1	7430
11209-1	7483
11211-1	7409
11212-1	7472
11213-1	7474
11214-1	7440
11216-1	7400
11227	359
11228	473
11233-2	7454
11236-1	128
11236-2	224
11236-3	130
11252	109
11252-0	108
11252-1	108
11252-2	108
11252-3	123A
11252-4	121
11252-5	128
11252-6	224
11252-7	224
11273-1	74121
11274-1	7403
11276-1	7496
11282-6	116
11303-9	116
11305-0001	519
11332-1	116
11339-2	116
11339-8	108
11352-78	519
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11399-8	117A
11401-3	116
11426-7	108
11503-9	116
11506-3	121
11522-5	123A
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11522-8	160
11522-9	160
11526-8	121
11526-9	121
11527-5	126A
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11528-2	121MP
11528-3	121MP
11528-4	121MP
11555-9	116
11559-9	116
11586-7	117A
11587-5	123A
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11606-8	127
11607-2	126A
11607-3	108
11607-4	123A
11607-5	124
11607-8	123A
11607-9	108
11608-0	108
11608-2	108
11608-3	108
11608-5	123A
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11608-7	127
11608-8	127
11608-9	127
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11609-2	123A
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11620-2	160
11620-3	102A
11620-6	102A
11620-7	160
11620-8	160
11620-9	160
11658-8	123A
11668-3	160
11668-4	160
11668-5	102A
11668-6	102A
11668-7	103A
11675-6	126A
11675-7	102A
11687-5	123A
11699-7	102A
11746	116
12001-4	109
12001-4(Fisher)	109
12011	177
12020-02	152
12044-0021	175
12047-0023	192
12048-0011	129
12101	177
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12110-4	100
12110-5	100
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12110-7	102A
12112-0	102A
12112-8	100
12112-C	123A
12112-D	123A
12112-E	123A
12112-F	123A
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12113-7	160
12113-8	160
12113-9	160
12114-8	102A
12115-0	160
12115-7	160
12116-1	100
12116-2	100
12116-4	102A
12117-9	100
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12123-1	160
12123-2	102A
12123-3	160
12123-4	100
12123-5	100
12123-6	100
12124-0	100
12124-1	100
12124-2	126A
12124-3	126A
12124-4	126A
12124-6	102A
12125-4	100
12125-6	160
12125-7	126A
12125-8	160
12125-9	160
12126-0	160
12126-6	102A
12126-7	102A
12127-0	121
12127-1	121
12127-2	102A
12127-3	100
12127-4	102A
12127-5	100
12127-6	123A
12127-7	123A
12127-8	123A
12127-9	123A
12128-9	100
12163	104
12173	100
12174	100
12175	100
12176	100
12178	104
12180	126A
12183	100
12191	100
12192	100
12193	100
12195	102A
12196	102A
12255-235	519
12280	128
12300	123A
12429(Heathkit)	118
12454	233
12457	319P
12536	130
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12537	219
12538	175
12539	184
12546	154
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12593	123A
12594	159
12602	116
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12685	506
12720	116
12736	116
12746	116
12751ZP	5962
12768	116
12786	116
12788	116
12803	116
12808	109
12837	116
12844	116
12850	109
12871	113A
12888	159
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13002-4	130
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13006-1(Fisher)	177
13006-2	177
13006-2(Fisher)	177
13006-3	177
13006-3(Fisher)	177
13009(SCR)	5405
13030-4	181
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13159-2	175
13162	159
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13217E-1513	311
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13299	211
13314	128
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13419-310	278
13419-400	278
13419-413	77
13419-500	278
13420-200	76
13420-300	76
13517	912
13747A01	529
13747A02	529
13747A03	529
13782	116
13810(WURLITZER)	OBS-NLA
14001-1	5081A
14001-1(Fisher)	5081A
14001-2	5130A
14001-2(Fisher)	5130A
14002-2	145A
14002-2(Fisher)	145A
14002-6	142A
14002-6(Fisher)	142A
14002-10	5084A
14002-10(Fisher)	5084A
14002-12	145A
14002-12(Fisher)	145A
14002-13	5078A
14002-13(Fisher)	5079A
14027	116
14126-1	116
14128-2	159
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14303	123A
14305	960
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14433CDL	2055
14433CPL	2055
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14573	105
14588-9	116
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15354-3	104
15354-6	101
15354-14	100
15405-1	9946
15405-2	9949
15405-4	9932
15486	128
15732	960
15809-1	123
15820-1	123
15835-1	123
15840-1	123A
15841-1	123A
15927	104
15942	OBS-NLA
15942-1	761§
16001	130
16029	196
16039	196
16065	128
16073	5643
16082	128
16083	130
16088	7490
16111	5635
16113	152
16114	175
16115	196
16162	5626
16163	196
16164	152
16165	196
16166	152
16167	197
16169	197
16170	5635
16175	197
16176	130
16181	152
16182	152
16190	108
16191	128
16194	108
16201	130
16207	152
16208	5635
16230	130
16232	124
16234	130
16235	130
16237	199
16238	5675
16239	129
16240	130
16241	152
16254	128
16259	124
16261	130
16266	130
16266(IC)	9602
16267	181
16277	196
16279	197
16287	130
16289	5635
16291	5635
16292	130
16299	130
16305	152
16306	197
16319	130
16320	130
16334	152
16335	152
16336	152
16338	130
16341	196
16342	197
16598	102
16599	121
16605	707
16681	116
16958	102
16959	121
17001-1	614
17001-1(Fisher)	614
17001-6	614
17001-6(Fisher)	614
17002	116
17011-1	5547
17045	159
17047-1	102
17142	102
17143	102
17144	123
17246-33	5642
17401G0A	5580
17401G0B	5580
17401G0A	5580
17401G0B	5580
17402G0A	5580
17402G0B	5580
17402G0A	5580
17402G0B	5580
17403G0A	5582
17403G0B	5582
17403G0A	5582
17403G0B	5582
17404G0A	5582
17404G0B	5582
17404G0A	5582
17404G0B	5582
17405G0A	5582
17405G0B	5582
17405G0A	5582
17405G0B	5582
17406G0A	5582
17406G0B	5582
17406G0A	5582
17406G0B	5582
17407G0A	5584
17407G0B	5584
17407G0A	5584
17407G0B	5584
17408G0A	5584
17408G0B	5584
17408G0A	5584
17408G0B	5584
17409G0A	5584
17409G0B	5584
17409G0A	5584
17409G0B	5584
17410G0A	5584
17410G0B	5584
17410G0A	5584
17410G0B	5584
17411G0A	5584
17411G0B	5584
17411G0A	5584
17411G0B	5584
17412-5	123A
17412G0A	5584
17412G0B	5584
17412G0A	5584
17412G0B	5584
17443	116
17444	123
17607-1	127
17701W	5019T1
17887	121
17945	121
17973A	147A
18109	102
18112(AOC)	123AP
18310	124
18410-42	109
18410-43	5072A
18410-141	312
18410-142	107
18410-143	123A
18410-144	199
18410-145	123A
18410-146	123A
18410-147	186A
18410-148	788
18411-101	612
18411-102	109
18411-103	177
18411-104	601
18411-105	5018A
18411-106	1234
18411-107	451
18411-108	107
18411-109	85
18411-110	289A
18411-111	85
18411-112	85
18411-113	186A
18411-114	293
18493	126A
18509	123A
18529	100
18530	102
18540	160
18541	160
18555	123A
18600-52	177
18600-53	109
18600-54	5072A
18600-151	107
18600-152	123A
18600-153	123A
18600-154	1100
18600-155	720
18600-156	1058
18600-I51	107
18601	102
18611	102
18731	102
18801-101	612
18801-102	109
18801-103	177
18801-104	5018A
18801-105	1234
18801-106	1226
18801-107	1155
18801-108	451
18801-109	107
18801-110	85
18801-111	289A
18801-112	85
18801-113	293
18924-6	5404
19042	116
19278	124
19306A	548
19306P01	548
19420	108
19500-253	199
19645	123A
19680	159
19865	116
20001	179
20011	159
20040	282§
20103	199
20200(H. Kardon)	140A
20294	241
20295	241
20414(H. Kardon)	140A
20418(H. Kardon)	121MP
20510	76
20511	77
20530	76
20531	77
20531-0001	77
20731(H. Kardon)	128
20737(H. Kardon)	140A
20738	123
20739	129
20810-21	116
20810-22	116
20810-91	199
20810-92	199
20810-93	128
20810-94	186
20989	124
20989-16	180
20989-18	124
20989-20	284
20989-21	181
20989-22	130
20989-25	283
20989-26	281
20989-29	124
21008-002	106
21017(H. Kardon)	123A
21021	2102
21021C	2102
21021DC	2102
21021PC	2102
21022	2102
21022C	2102
21022DC	2102
21022PC	2102
21067(H. Kardon)	107
21083(H. Kardon)	123A
21168(H. Kardon)	129
21198(H. Kardon)	128
21201	128
21221	128
21280	181
21290	128
21415(H. Kardon)	128
21532-0001	229
21535-0001	64
21606-1	127
21676A	128
22008	159
22009	172A
22055(H. Kardon)	160
22134(H. Kardon)	312
22158	123A
22164-000	519
22458(H. Kardon)	159
22577(H. Kardon)	121
22595-000	159
22605-005	159
22635-002	123A
22635-003	123A
22739	121MP
22741	121MP
22810-173	123A
22810-174	199
22826-03	5214A
22826-04	5191A
22826-06	5202A
22826-08	5188AK
22826-10	5197AK
22826-11	5204A
22826-16	5196A
22826-19	5198AK
22826-22	5204AK
22826-23	5181A
22826-24	5188A
22826-26	5177A
22859(H. Kardon)	177
22860(H. Kardon)	107
22861(H. Kardon)	123A
22874(H. Kardon)	726
22881	226MP
22939	198
23014	346
23114-046	123A
23114-050	129
23114-051	129
23114-052	154
23114-053	123A
23114-054	123A
23114-056	108
23114-057	108
23114-060	108
23114-061	102A
23114-070	130
23114-078	108
23114-082	123A
23114-095	123A
23114-097	127
23114-104	108
23115-022	118
23115-042	125
23115-057	123A
23115-058	123A
23115-072	125
23115-085	156
23125-037	108
23190(H. Kardon)	181
23212(H. Kardon)	123A
23221(H. Kardon)	123A
23222(H. Kardon)	129
23223(H. Kardon)	128
23311-006	121
23316	123A
23338-0001	454
23350-0001	244
23425(H. Kardon)	143A
23606	312
23648	128
23754	152
23762	130
23769E	543
23785(Sylvania)	102A
23785-1(Sylvania)	102A
23826(Sylvania)	159
23843(H. Kardon)	130
23844(H. Kardon)	123A
23845(H. Kardon)	159
23879	5529
24001G0F	5592
24001G0F	5590
24001K0F	5592
24001K0F	5590
24002G0F	5592
24002G0F	5590
24002K0F	5592
24002K0F	5590
24003G0F	5592
24003G0F	5591
24003K0F	5592
24003K0F	5591
24004G0F	5592
24004G0F	5591
24004K0F	5592
24004K0F	5591
24005G0F	5591
24005G0F	5591
24005K0F	5591
24005K0F	5591
24006G0F	5591
24006G0F	5591
24006K0F	5591
24006K0F	5591
24007G0F	5592
24007G0F	5592
24007K0F	5592
24007K0F	5592
24008G0F	5592
24008G0F	5592
24008K0F	5592
24008K0F	5592
24009G0F	5592
24009G0F	5592
24009K0F	5592
24009K0F	5592
24010G0F	5592
24010G0F	5592
24010K0F	5592
24010K0F	5592
24011G0F	5592
24011G0F	5592
24011K0F	5592
24011K0F	5592
24012G0F	5592
24012G0F	5592
24012K0F	5592
24012K0F	5592
24198	126A
24198(Rect.)	116
24216(H. Kardon)	130
24218(H. Kardon)	184
24219(H. Kardon)	185
24225(H. Kardon)	312
24306(H. Kardon)	190
24451	711
24560A	124
24785	102A
24833(H. Kardon)	126A
24834(H. Kardon)	126A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
24836(H. Kardon)	109
24859(H. Kardon)	199
24873(H. Kardon)	199
24879(H. Kardon)	128
24880(H. Kardon)	129
24925(H. Kardon)	5071A
24972(H. Kardon)	123A
25011(Honeywell)	123A
25055(H. Kardon)	123A
25056(H. Kardon)	123A
25059(H. Kardon)	123A
25114-101	102A
25114-102	102A
25114-103	102A
25114-104	102A
25114-116	123A
25114-121	108
25114-130	123A
25114-143	124
25114-161	123A
25115-115	116
25201-001	109
25202-002	116
25211-200	138A
25538(H. Kardon)	199
25539(H. Kardon)	192
25566-01	126A
25566-21	128
25566-30	123
25566-36	129
25566-40	159
25566-48	108
25566-50	128
25566-58	159
25566-60	311
25566-61	123A
25566-62	129
25566-63	128
25566-66	123A
25566-73	159
25566-74	129
25566-76	128
25566-77	123A
25566-78	128
25566-79	159
25566-80	123A
25566-81	159
25566-83	123
25566-84	123A
25566-85	316
25566-86	159
25566-88	159
25566-90	288
25566-91	316
25566-95	159
25566-97	128
25566-98	287
25566-99	159
25567-03	159
25567-04	287
25567-07	123A
25567-15	159
25567-16	159
25620(H. Kardon)	160
25642-020	126A
25642-030	126A
25642-031	126A
25642-040	126A
25642-041	126A
25642-110	126A
25642-115	126A
25642-120	126A
25651-020	102A
25651-021	102A
25651-033	102A
25655-055	102A
25655-056	102A
25657-050	102A
25658-120	131
25658-121	131
25661-020	121
25661-022	104
25671-020	161
25671-021	161
25671-023	161
25672-016	154
25762-010	225
25762-012	225
25810-51	116
25810-52	177
25810-53	109
25810-54	5072A
25810-55	109
25810-107	1081A*
25810-161	123A
25810-162	123A
25810-163	123A
25810-164	1100
25810-165	720
25810-166	1087
25810-167	1081A*
25840-51	116
25840-52	116
25840-53	109
25840-54	5072A
25840-55	109
25840-161	123A
25840-162	199
25840-163	192
25840-165	1142
25840-166	1087
25840-167	1081A*
25972(H. Kardon)	123A
26235-1	116
26284(H. Kardon)	128
26285(H. Kardon)	129
26551(H. Kardon)	722
26587	703
26587-1	703
26666-1	128
26674	542
26810-51	109
26810-52	140A
26810-151	229
26810-152	159
26810-153	199
26810-154	123A
26810-155	289A
26810-157	801
26810-158	1052
26810-159	1155
26999-02	6401
26999-05	221
26999-08	466
26999-16	6402
27065(H. Kardon)	5188A
27087	154
27092(H. Kardon)	5075A
27113-100	116
27123-050	116
27123-070	116
27123-100	116
27123-120	116
27125-080	123A
27125-090	123A
27125-110	128
27125-120	102A
27125-140	123A
27125-150	102A
27125-160	123A
27125-170	102A
27125-270	123A
27125-300	123A
27125-310	103A
27125-330	102A
27125-340	102A
27125-350	102A
27125-360	100
27125-370	123A
27125-380	128
27125-460	199
27125-470	199
27125-480	102A
27125-490	103A
27125-500	123A
27125-530	123A
27125-540	102A
27125-550	102A
27126-060	131
27126-090	121
27126-100	130
27127-550	123A
27213(H. Kardon)	152
27214(H. Kardon)	152
27379(H. Kardon)	123A
27571(H. Kardon)	186
27614(H. Kardon)	108
27615(H. Kardon)	108
27616(H. Kardon)	108
27617(H. Kardon)	108
27618(H. Kardon)	107
27619(H. Kardon)	106
27620(H. Kardon)	123A
27840-41	116
27840-42	109
27840-43	177
27840-161	123A
27840-162	123A
27840-163	1087
27840-164	1081A*
27906	548
27906P01	541
27910-12150	123
27910-12153	102
27913-14200	5626
27987(H. Kardon)	152
28071(H. Kardon)	801
28222-3(Sylvania)	182
28287	109
28311	398
28311(AOC)	154
28396	390
28474	130
28723-09	6402
28810-61	116
28810-63	177
28810-64	110MP
28810-65	5072A
28810-171	312
28810-172	107
28810-175	1082
28810-176	1142
28810-177	1052
28810-178	1081A*
28811-92	614
28811-93	109
28811-94	139A
28811-95	1234
28811-96	1226
28811-97	1052
28811-98	1275
28811-99	312
28811-100	107
28811-101	85
28811-102	85
28811-103	289A
28811-104	293
28820-171	312
28820-172	107
28820-173	289A
28820-174	85
28820-175	85
28820-176	1082
28820-177	1142
28820-179	1081A
28977	128
29037(H. Kardon)	259
29038(H. Kardon)	260
29076-005	161
29076-006	161
29076-023	159
29416	159
29471(H. Kardon)	233
29472(H. Kardon)	233
29483(H. Kardon)	199
29484(H. Kardon)	297
29485(H. Kardon)	298
29486(H. Kardon)	300
29566(H. Kardon)	143A
29611AD	74S571
29611ADC	74S571
29611D	74S571
29611DC	74S571
29620D	74S473
29620DC	74S473
29621AD	74S472
29621ADC	74S472
29621D	74S472
29621DC	74S472
29624D	74S475
29624DC	74S475
29625D	74S474
29625DC	74S474
29630D	74S479
29630DC	74S479
29631AD	74S478
29631ADC	74S478
29631D	74S478
29631DC	74S478
29651AD	74S454
29651ADC	74S454
29651D	74S454
29651DC	74S454
29810-61	116
29810-63	109
29810-64	140A
29810-171	312
29810-172	107
29810-173	123A
29810-174	123A
29810-175	192
29810-176	199
29810-177	123A
29810-178	186A
29810-179	788
29810-180	801
29810-181	1087
30001G0F	5590
30001G0F	5590
30001K0F	5590
30001KOF	5590
30002G0F	5590
30002G0F	5590
30002K0F	5590
30002KOF	5590
30003G0F	5591
30003G0F	5591
30003K0F	5591
30003KOF	5591
30004G0F	5591
30004G0F	5591
30004K0F	5591
30004KOF	5591
30005G0F	5591
30005GOF	5591
30005K0F	5591
30005KOF	5591
30006G0F	5591
30006G0F	5591
30006K0F	5591
30006KOF	5591
30007G0F	5592
30007G0F	5592
30007K0F	5592
30007KOF	5592
30008G0F	5592
30008G0F	5592
30008K0F	5592
30008KOF	5592
30009G0F	5592
30009G0F	5592
30009K0F	5592
30009KOF	5592
30010G0F	5592
30010GOF	5592
30010K0F	5592
30010KOF	5592
30011G0F	5592
30011G0F	5592
30011K0F	5592
30011KOF	5592
30012G0F	5592
30012G0F	5592
30012K0F	5592
30012KOF	5592
30054	940§
30201	158
30202	158
30203	121
30204	102
30206	102
30207	102
30208	100
30208-1	102A
30208-2	102
30210	123
30211	121
30213	126A
30214	126A
30215	126A
30215(RCA)	121
30216	102
30216(RCA)	121
30217	126A
30218	102
30218(RCA)	160
30219	123
30221	126A
30222	126A
30223	126A
30224	123
30226	123
30227	123A
30228	123A
30229	123A
30230	126A
30231	100
30234	124
30235	123A
30236	175
30238	160
30240	160
30241	123A
30242	123A
30243	123A
30244	102
30245	124
30246	121
30246A	121
30247	126A
30248	123
30253	123A
30254	175
30256	175
30257	124
30259	123
30263	102A
30267	103A + 102A(CP)
30268	123A
30269	123A
30270	159
30271	185
30272	184
30273	160
30274	126A
30276	130
30278	129
30289	123A
30290	159
30291	129 + 128(CP)
30292	108
30293	102A
30294	152
30295	152
30302	104
30302(RCA)	102A
30613(Rad Shk)	123AP
30929W	5013T1
31001	123A
31003	123A
31004-1	153
31005	159
31006	129
31009	123A
31015	234
31032-0	129
31450	5802
31501	116
32883	474
32883-1	474
33187-12	5011A
33188-2	130
33201-1	712
33201-2	712
33509-1	159
33563	123A
33989-2069	121
34000PC	4000
34001	4001B
34001DC	4001B
34001PC	4001B
34002	4002B
34002DC	4002B
34002PC	4002B
34005-1	727
34006DC	4006B
34006PC	4006B
34007	4007
34008DC	4008B
34008PC	4008B
34011	4011B
34011DC	4011B
34011PC	4011B
34012DC	4012B
34012PC	4012B
34013DC	4013B
34013PC	4013B
34014DC	4014B
34014PC	4014B
34015DC	4015B
34015PC	4015B
34016DC	4016B
34016PC	4016B
34017DC	4017B
34017PC	4017B
34018BDC	4018B
34018BPC	4018B
34019DC	4019B
34019PC	4019B
34020BDC	4020B
34020PC	4020B
34021DC	4021B
34021PC	4021B
34022	121
34022BDC	4022B
34022BPC	4022B
34023BDC	4023B
34023BPC	4023B
34023PC	4023B
34024BDC	4024B
34024BPC	4024B
34025PC	4025B
34027	4027B
34027DC	4027B
34027PC	4027B
34028DC	4028B
34028PC	4028B
34029DC	4029B
34029PC	4029B
34030BPC	4020B
34030DC	4030B
34030PC	4030B
34034BC	4034B
34034DC	4034B
34040DC	4040B
34040PC	4040B
34041DC	4041
34041PC	4041
34042DC	4042B
34042PC	4042B
34043	4043B
34043DC	4043B
34043PC	4043B
34044	128
34044DC	4044B
34044PC	4044B
34046	4046B
34046DC	4046B
34046PC	4046B
34047DC	4047B
34047PC	4047B
34048	126A
34048-1	708
34049-1	722
34049PC	4049
34050PC	4050B
34051DC	4051B
34051PC	4051B
34052DC	4052B
34052PC	4052B
34053DC	4053B
34053PC	4053B
34055DC	4055B
34055PC	4055B
34066PC	4066B
34068DC	4068B
34068PC	4068B
34069DC	4069
34069PC	4069
34070DC	4070B
34070PC	4070B
34071BC	4071B
34071DC	4071B
34071PC	4071B
34072DC	4072B
34072PC	4072B
34073DC	4073B
34073PC	4073B
34075DC	4075B
34075PC	4075B
34077BDC	4077B
34077BPC	4077B
34077DC	4077B
34078DC	4078B
34078PC	4078B
34081DC	4081B
34081PC	4081B
34082DC	4082B
34082PC	4082B
34085DC	4085B
34085PC	4085B
34086DC	4086B
34086PC	4086B
34093DC	4093B
34093PC	4093B
34099PC	4099B
34101	5527
34118	160
34119	100
34174	116
34201	156
34202-1	727
34208	130
34219	100
34220	100
34221	100
34262	102A
34298	121
34315	121
34342	160
34379-1	720
34389	160
34394	116
34401-1	OBS-NLA
34405	5802
34423	160
34424	506
34425	121
34452-1	709
34459	127
34493P	102
34502-1	778A
34503-1	722
34510DC	4510B
34510PC	4510B
34511BD	4511B
34511BP	4511B
34512DC	4512B
34512PC	4512B
34514DC	4514B
34514PC	4514B
34515DC	4515B
34515PC	4515B
34518DC	4518B
34518PC	4518B
34520DC	4520B
34520PC	4520B
34526	121
34527PC	4527B
34528DC	4528B
34528PC	4528B
34531DC	4531B
34531PC	4531B
34539DC	4539B
34539PC	4539B
34553	160
34555DC	4555B
34555PC	4555B
34556DC	4556B
34556PC	4556B
34582DC	40182B
34582PC	40182B
34583DC	4583B
34583PC	4583B
34588A	128
34675	160
34715	104
34871	102
34923	158
34942	160
34966	176
35001	130
35002	175
35004	108
35044	121
35045	102
35059-1	712
35070	160
35084	104
35086	102
35144	121
35168	126A
35169	160
35170	160
35201	104
35210	128
35212	128
35218	176
35219	142A
35231	121
35260	104
35287	116
35287A	116
35289	116
35303	128
35306	116
35333	125
35349	121
35383	128
35392DC	3539
35392PC	3539
35405	175
35449	108
35452-2	158
35454	102
35454-1	158
35454-2	158
35454-3	158
35500	116
35524	181
35590	102A
35604	5804
35628	102A
35677	102A
35678	102A
35728	121
35792	102A
35815	160
35816	102A
35817	102A
35818	126A
35819	158
35820	102
35820-1	158
35820-2	158
35820-3	158
35824	102A
35885A	121
35885B	121
35888	128
35950	102
35951	121
35952	102
35953	102
35954	102
35955	102
36091R	5883
36145	128
36147	5802
36201	116
36203	121
36212	108
36212V1	108
36212V1(RF PWR)	195A
36213	188
36213A2	195A
36274	175
36303	121
36304	121
36304-4	121
36312	121
36313	100
36320	175
36340	176
36359-4	121MP
36370-05490	175
36387	128
36395	121
36466	128
36477	121
36503(Aircastle)	116
36508	109
36534	102
36535	117A
36537	117A
36539	142A
36545	130
36549	116
36554	116
36555	116
36557	102
36558	102
36559	126A
36560	126A
36563	126A
36564	116
36577	129
36578	108
36579	128
36580	123A
36581	108
36582	312
36591	5802
36634	124
36642	130
36642D	130
36643	128
36643A	128
36662	311
36673	176
36680	311
36680A	311
36682	128
36687	121
36695	176
36748	128
36800-2	121
36800-3	121
36800-4	121
36800-5	121
36800-6	121
36800-7	121
36803	311
36816	100
36846	130
36847	108
36848	311
36849	311
36850	311
36855	130
36892	130
36896	104
36910	121
36913	195A
36917	123A
36918	108
36919	108
36920	123A
36921	123A
36946	130
36953	130
36971	121
36997	311
37077	175
37126-1	116
37267	130
37269	129
37278	160
37279	103A
37280	128
37287	128
37334	161
37383	108
37384	108
37393	128
37431	311
37432	311
37433	311
37445	128
37464	128
37475	130
37476	181
37477	282§
37478	129
37484	175
37486	159
37510-52	177
37510-53	110MP
37510-54	5072A
37510-161	199
37510-162	123A
37510-163	123A
37510-164	1100
37510-165	1052
37510-166	1052
37510-167	1081A*
37549	102A
37550	102A
37551	102A
37552	103A
37563	130
37584	124
37585	123
37599	175
37628	311

♦, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
37649	128
37663	130
37664	129
37677	102
37680	116
37682	5547
37694	128
37694A	108
37694B	108
37702-1	714
37703-1	715
37704-1	790
37725	154
37730	124
37740	129
37741	128
37763	175
37764	129
37767	128
37793	129
37800	128
37806	128
37833	100
37833-2	909D
37840	128
37847	128
37884	123A
37888	130
37894	311
37899	128
37900	175
37913	175
37918	129
37932	278
37966	129
37967	181
37974	181
37975	128
37982	128
37986-3563	107
37986-4040	107
37986-4046	107
37987	116
37992	5529
38045	128
38049	181
38052	5802
38057	102A
38058	128
38063	311
38074	5804
38091	158
38093	126A
38094	121MP
38095	159
38112	124
38117	102A
38120	154
38121	154
38122	195A
38137	130
38138	130
38166	130
38174	116
38175	103
38176	102A
38177	102
38178	123
38182	128
38190	311
38199	101
38200	101
38207	108
38208	108
38209	100
38246	161
38246A	108
38265-00000	784
38265-00010	784
38265-00020	784
38265-00030	784
38267	181
38268	181
38269	158
38270	128
38271	128
38272	130
38279	311
38281	278
38283	123A
38332	5626
38334	128
38354	128
38361	128
38378	220
38385	5806
38388	129
38397	181
38398	128
38424	128
38432	128
38443	175
38446-00000	724
38446-00010	724
38446-00020	724
38446-00030	724
38448	186
38458	129
38468	128
38473	181
38474	130
38475	128
38476	128
38478	199
38491	181
38494	130
38495	128
38496	129
38497	128
38510-53	140A
38510-54	177
38510-161	312
38510-162	229
38510-163	123A
38510-164	199
38510-165	192
38510-166	123A
38510-167	123A
38510-168	186A
38510-169	788
38510-170	801
38510-171	1087
38510-330	177
38510-331	5070A
38510-350	199
38511	108
38511A	108
38533	126A
38551	128
38563	222
38588	128
38608	5547
38609	5547
38626	130
38654	129
38659	128
38680	160
38681	160
38685	102A
38716	128
38725	128
38731(Kalof)	130
38733	152
38734	129
38735	128
38736	128
38737	129
38785	108
38786	108
38787	161
38788	123A
38789	195A
38804	390
38837	128
38840	5626
38869	128
38870	129
38885	5527
38890	5626
38897	130
38916	128
38920	108
38921	108
38927	5626
38927-00000	905
38965	181
38970	5529
38971	311
38976	5527
38986	311
38996	154
39005	5547
39034	123A
39039	5626
39042	177
39043	311
39053	160
39060-1	747
39075-1	738
39096	123A
39097	128
39114	129
39119	5527
39123	124
39127	130
39140	181
39148	130
39149	124
39196	181
39213	130
39231	128
39238	128
39248	128
39250	129
39251	130
39252	128
39255	128
39264	6408
39285	175
39299	5527
39302	152
39311	128
39329	128
39331	108
39369	130
39377	124
39393	228A
39414	130
39440	129
39443	128
39455	181
39458	184
39462	128
39465	181
39466	181
39477	124
39485	128
39486	128
39492	130
39510	157
39542	5642
39558	5695
39561	128
39587	128
39616	181
39617	128
39618	129
39619	129
39635	181
39669	5626
39705	128
39713	128
39715	124
39729	316
39730	108
39731	108
39741	192
39750	152
39750(Orrtronics)	184
39751	181
39763	6408
39767	152
39789	108
39789(Power)	152
39804	5802
39805	5626
39811	5642
39824	152
39830	5547
39835	128
39840	5626
39842	128
39853	129
39863	128
39864	128
39865	129
39868	128
39876	192
39893	121
39901-0001	105
39902	5444
39919	192
39920	128
39921	130
39923	194
39940	128
39948	152
39952	5695
39954	130
39981	152
40004	160
40005	160
40006	160
40022	104
40024	116
40024VM	116
40034	102A
40034-1	102A
40034-2	102A
40034-3	102A
40034VM	102A
40035	102A
40035-1	102A
40035-2	102A
40035-3	102A
40036	102A
40036-1	102A
40036-2	102A
40036-3	102A
40037	103A
40037-1	103A
40037-2	103A
40037-3	103A
40037VM	103A
40038	102A
40038-1	102A
40038-2	102A
40038-3	102A
40038VM	102A
40050	104
40051	121
40051-2	121
40053	128
40080	329
40081	329
40081V1	329
40082	329
40082A2	329
40084	123A
40085	74C85
40085BDC	40085B
40085BPC	40085B
40097BDC	40097B
40097BPC	40097B
40098BDC	40098B
40098BPC	40098B
40100	40100B
40100B	40100B
40106	40106B
40106B	40106B
40108	5870
40108R	5871
40109	5874
40109R	5875
40110	5874
40110R	5879
40111	5878
40111R	5879
40112	5878
40112R	5879
40113	5882
40113R	5883
40114R	5883
40115	5886
40115R	5887
40143	116
40151	130
40160BDC	40160B
40160BPC	40160B
40161BDC	40161B
40161BPC	40161B
40162BDC	40162B
40162BPC	40162B
40163BDC	40163B
40163BPC	40163B
40174	74C174
40174BDC	40174B
40174BPC	40174B
40182	40182B
40182B	40182B
40192BDC	40192B
40192BPC	40192B
40193	74C193
40193BDC	40193B
40193BPC	40193B
40193DC	40193B
40194BDC	40194B
40194BPC	40194B
40195BDC	40195B
40195BPC	40195B
40208	5980
40208R	5981
40209R	5983
40210	5986
40210R	5987
40211	5988
40211R	5989
40212	5990
40212R	5991
40213	5992
40213R	5993
40214	5994
40214R	5995
40216	5547
40217	123A
40218	123A
40219	123A
40220	123A
40221	123A
40222	123A
40231	161
40232	161
40233	161
40234	161
40235	161
40236	161
40237	161
40238	161
40239	161
40240	161
40242	161
40243	161
40244	161
40245	161
40245-1	161
40245-2	161
40245-3	161
40246	161
40250	384
40250V1	404/175
40251	130
40253	102A
40254	104
40256	191
40259	161
40259(Rect.)	5882
40260	161
40263	102A
40263(RCA)	160
40264	124
40264V1	124
40265	116
40266	5801
40267	5802
40268	126A
40269	100
40280	346
40280R	5995
40281	475
40282	476
40283	123A
40290	473
40294	161
40295	316
40296	316
40309	128
40309V1	128
40309V2	128
40310	175
40311	128
40311A	188
40311B	188
40312	175
40313(H. Kardon)	128
40314	128
40315	128
40316	175
40317	128
40319	129
40319S	129
40320	128
40321	396
40322	286
40323	128
40324	175
40325	130
40326	128
40327	396
40328	124
40329	102A
40346	396
40346V1	191
40346V2	427/396
40347	324
40347V2	225
40348V2	225
40349V2	225
40350	161
40351	161
40352	161
40354	154
40355	154
40359	102A
40360	128
40360V1	188
40361	128
40362	129
40362S	129
40363	130
40364	175
40366	128
40367	324
40369	130
40370	100
40374	124
40379	5527
40383	116
40385	396
40390	191
40391	401/129
40392	128
40395	102A
40396N	103A
40396P	102A
40397	123A
40398	123A
40399	123A
40400	123A
40403	102
40404	278
40405	123A
40406	129
40406S	129
40407	128
40408	128
40409	401/128
40410	401/129
40411	181
40412	396
40412V2	427/396
40413	108
40414	108
40421	121♦
40422	124
40423	124
40424	175
40425	124
40426	124
40427	124
40429	56006
40430	5512
40439	191
40439(RCA)	127
40439V1	191
40439V2	191
40440	127
40442	127
40444	327
40446	224
40456(RCA)	123A
40457	128
40458	128
40459	154
40461	312
40461-2	128
40462	104
40464	130
40465	130
40466	130
40467A	220
40468	312
40468A	220
40469	311
40470	108
40471	311
40472	161
40473	123A
40474	123A
40475	161
40476	161
40477	123A
40478	161
40479	161
40480	108
40481	161
40482	108
40488	126A
40490	102A
40491	124
40500	123A
40501	128
40502	5624
40503	5626
40504	5444
40505	5446
40506	5448
40507	5444
40508	5446
40509	5624
40510	5626
40511	5624
40512	5626
40517	123
40518	123
40519	123A
40525	5650
40526	5651
40527	5652
40528	5650
40529	5651
40530	5652
40537	129
40537L	129
40537S	129
40538	129
40538L	129
40538S	129
40539	128
40539L	128
40539S	128
40544	225
40546	124
40547	124
40553	230
40554	230
40555	230
40559A	220
40576	56006
40577	123A
40578	128
40581	329
40582	224
40583	6408
40594	188
40595	323
40595VX	129
40600	221
40601	221
40602	221
40603	221
40604	221
40608	278
40611	128
40612	121
40613	152
40616	128
40618	152
40620	282S
40621	152
40622	152
40623	121MP
40624	196
40625	401/128
40626	121
40627	196
40628	401/128
40629	152
40630	152
40631	152
40632	196
40632(IC14)	152
40634	129
40635	128
40636	284
40637	123A
40638	5624
40639	5626
40640	230
40641	231
40642	515
40643	515
40644	515
40646	427/396
40648	124
40650	171
40662	5693
40663	5695
40668	5633
40669	5635
40672	5697
40673	222
40689	5697
40690	5697
40691	5651
40692	5652
40702	5693
40703	5695
40704	5697
40707	5693
40708	5695
40710	5697
40713	5673
40714	5675
40716	5675
40719	5673
40720	5675
40721	5633
40722	5635
40737	5514
40738	5514
40739	5515
40740	5516
40741	5491
40742	5492
40743	5494
40744	5496
40749	5514
40750	5514
40751	5515
40752	5516
40763	102A
40766	5650
40777	5673
40778	5675
40781	5673
40782(I.C.)	804
40782(Triac)	5675
40785	5673
40786	5675
40789	5683
40790	5697
40793	5693
40794	5695
40796	5677
40798	5677
40801	5677
40808	125
40809	125
40809(Trans) .. 103A + 102A(CP)	
40814	128
40815	129
40816(RCA)	196
40819	454
40820	454
40821	454
40822	454
40823	222
40828	102A
40838	130
40841	221
40842	5637
40850	124
40852	283
40852(VM)	102A
40853	283
40853(VM)	158
40867	5462
40868	5463
40869	5465
40880	230
40885	228A
40886	228A
40887	228A
40888	230
40889	231
40890	515
40891	515
40892	515
40894	316
40895	316
40896	316
40897	316
40899	231
40900	5632
40901	5633
40902	5635
40909 .... 103A + 102A(CP)	
40934-1	130
40955	345
40964	486
40965	486
40967	362
40968	364
40970	366
40971	367
40972	472
40973	350
40974	351
40977	359
41001-4	116
41008A	362
41009A	362
41010	364
41014	5633
41015	5635
41020(RCA)	308
41020-618	125
41021(RCA)	308
41023(RCA)	308
41023-224	125
41023-225	125
41051	123A
41052	129
41053	128
41173	519
41175	199
41176	123A
41177	159
41178	184
41179	185
41180	909D
41180(Bell + Howell)	909D
41342	185
41344	184
41440	159
41500	152
41501	197
41502	128
41503	129
41504	152
41505	228A
41506	162
41570	102A
41616	116
41689	108
41694	108
41850	116
42020	109
42020-737	140A
42021	125
42025-850	142A
42065	175
42069-70232	1563
42221	116
42302	126A
42304	158
42305	102A
42311	126A
42321	176
42322	102A
42323	124
42324	102
42342	175
42358	360
42358-00010	359

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
42358-00020	359
42396	312
42464	123A
42942	152
43021-017	123A
43021-198	128
43022-860	108
43036	1029
43044	123A
43045	123A
43046	121
43054	199
43055	199
43060	130
43062	177
43072	5079A
43074	179
43082	128
43088	128
43089	129
43090	706
43095	130
43104	284
43107	129
43114	130
43115	192
43116	129
43117	128
43118	182
43119	182
43120	182
43122	128
43125(EVI)	159
43127	159
43128(EVI)	159
43131(EVI)	123AP
43134(EVI)	123AP
43137(EVI)	123AP
43139	123A
43139(EVI)	216
43163	152
43165	128
43168	130
43200	7400
43201	7404
43202	7408
43205	7473
43296	312
43506	179
43761	135A
43959	109
43992-2	101
44001	125
44002	519
44002(RCA)	116
44003	125
44004	125
44005	125
44006	125
44007	125
44208	152
44209	153
44465-3	116
44465-4	116
44465-5	116
44465-6	116
44616-1	102
44699	152
44763	188
44764	189
44765	189 + 188(CP)
44766	312
44933	515
44934	515
44935	515
44936	515
44936(RCA)	515
44937	116
44937(RCA)	515
44938	116
44938(RCA)	515
44967-2	102
45122	159
45184	123A
45299	905
45300(HTL)	9109
45337-A	199
45337-C	159
45354	128
45380	718
45381	722
45381(VofM)	722
45385	747
45386	750
45387	804
45390	743
45391	788
45393	804
45394	740A
45395	804
45411	6408
45495-2	101
45810-51	116
45810-53	109
45810-54	140A
45810-161	312
45810-162	123A
45810-163	123A
45810-164	123A
45810-165	192
45810-166	199
45810-167	788
45810-168	801
45810-169	1087
45810-170	1155
46140-2	116
46287-4	110MP
46444-01	9910
46444-02	9914
46444-05	9913
46445-09	9963
46447-08	941
46447-16	911
46447-25	973D
46447-33	973
46447-40	778A
46447-50	941
46447-55	941M
46490-2	101
46590-2	103
46591-2	103
46592-2	103
46593-2	103
46631-2	101
46774-1	101
46775-2	101
46776-2	102
46914	5802
47126	116
47126-003	116
47126-1	116
47126-1A	116
47126-2	116
47126-3	116
47126-3A	116
47126-4	116
47126-4A	116
47126-6	116
47126-7	116
47126-8	156
47126-9	116
47126-10	156
47126-12	116
47127-3	116
47394-2	102
47645-2	103
47737-2	102
48004-07	123A
48004-08	123A
48009	312
48009(1)	312
48106	169
48287	109
48287-4	110MP
48385-2	103
48387-4	110MP
48703-001	987
48711-001	955M
48931	280
48937-2	126A
48939-2	126A
49058-2	103
49092	128
49138-2	101
49139-2	102
49341	102A
49939-2	160
50009	804
50137-2	128
50200-1B	152
50200-8	196
50200-9	152
50200-12	128
50200-24	152
50201-4	153
50202-1	123A
50202-2	123A
50202-9	194
50202-12	128
50202-13	123A
50202-14	123A
50202-23	123A
50202-24	128
50203-8	159
50203-12	159
50210-2	9932
50210-7	9094
50210-8	9962
50212-19	177
50212-28	177
50212-30	177
50213-5	519
50241	20428
50280-3	175
50308-0100	152
50308LS2	5461
50447-4	121
50477-4	121
50505-01	109
50745-01	116
50745-02	116
50745-03	156
50745-04	156
50745-05	156
50745-06	116
50745-07	116
50745-08	116
50957-03	108
51194	128
51194-01	128
51194-02	128
51194-03	128
51213	123A
51213-01	123A
51213-02	123A
51213-03	123A
51213-2	123A
51300	175
51428-01	123A
51429	199
51429-02	123A
51429-03	123A
51429-3	123A
51441	123A
51441-01	123A
51441-02	123A
51441-03	123A
51442	123A
51442-01	123A
51442-02	123A
51442-03	123A
51545	123A
51547	123A
51650	121
52000-030	9930
52000-032	9932
52000-033	9933
52000-036	9936
52000-037	9937
52000-044	9944
52000-046	9946
52000-048	9948
52000-049	9949
52000-052	9099
52000-055	9097
52000-057	9157
52000-058	9158
52000-061	9961
52000-062	9962
52000-063	9963
52215-00	130
52329	130
52360	130
53016R	177
53088-4	125
53092-1	109
53093-1	113A
53099-1	116
53099-3	116
53157-130	5022A
53157-560	5042A
53200-22	123A
53200-23	123A
53200-51	123A
53200-74	199
53201-01	102A
53201-11	102A
53201-51	224
53203-72	128
53300-31	125
53300-41	116
53301-01	125
53400-01	123A
53704D	230
54016-01	159
54016-03	123AP
54016-04	123AP
54016-06	159
54142-02	4049
54142-03	4011B
54142-04	4023B
54142-05	4007
54142-06	4013B
54142-07	4024B
54142-08	4040B
54142-09	4016B
54142-10	4017B
54142-11	4022B
54142-13	4015B
54142-21	4053B
54142-23	4002B
54806P1	5547
55001	7400
55002	7402
55003	7404
55004	7405
55005	7410
55006	7420
55007	7430
55008	7442
55009	7447
55010	7450
55011	7474
55012	7476
55017	74H183
55021	7409
55022	7412
55023	7422
55024	7416
55027	7413
55029	7454
55032	7401
55034	7440
55035	7407
55036	7406
55166	109
55170-1	229
55606	123A
55810-51	109
55810-52	109
55810-161	161
55810-163	161
55810-164	161
55810-166	175
55810-167	703
55810-168	1045
55810-169	1000
55810-170	1120
55974-1	910
55975-1	9945
55976-1	9946
55977	9930
55978-1	9944
55979-1	9951
55980	9933
55982-1	9932
55986-1	909
55987-1	9962
56228-19	3042
56228-20	3045
56228-21	3045
56353	449A
56519	9946
56552	9093
56553	9930
56557	9936
56558	9945
56571	9962
57000-5452	108
57000-5503	123
57001-01	128
57009	234
57174	5642
57202	5626
57268-9	123A
57420-1	116
58112-002	177
58112-1	109
58112-2	177
58215-01	123A
58503-1	116
58725P-15	2128
58810-80	116
58810-82	177
58810-83	109
58810-85	116
58810-86	140A
58810-160	312
58810-161	107
58810-162	123A
58810-163	123A
58810-164	199
58810-165	123A
58810-166	123A
58810-167	199
58810-168	123A
58810-169	186
58810-170	1100
58810-171	1142
58810-172	1087
58840-111	116
58840-113	177
58840-114	110MP
58840-116	116
58840-117	140A
58840-192	107
58840-193	123A
58840-194	123A
58840-195	123A
58840-196	123A
58840-197	123A
58840-198	123A
58840-199	123A
58840-200	186
58840-201	1100
58840-202	720
58840-203	1087
59395(RCA)	109
59471-1	116
59519-1	116
59557-48	102A
59557-49	116
59625-1	102A
59625-2	102A
59625-3	102A
59625-4	102A
59625-5	102A
59625-6	102A
59625-7	102A
59625-8	102A
59625-9	102A
59625-10	159
59625-11	102A
59625-12	102A
59840	177
59840-1	519
59844-1	116
59844-2	116
59844-3	116
59987-1	102A
59988-1	128
59989-1	129
59990-1	121
59991-1	142A
60031	128
60034	5695
60041	130
60045	5642
60046	130
60047	130
60048	108
60059	5642
60076	181
60085	130
60091	128
60106	128
60108	5547
60115	181
60127	130
60130	130
60136	5626
60142	181
60154	129
60172	192
60175	152
60182	5642
60187	181
60194	128
60201	175
60202	5626
60205	130
60213	726
60213(IC)	726
60213(Transistor)	130
60215-1	109
60216	152
60219	175
60227	5689
60228	128
60234	181
60237	196
60243	130
60245	5626
60246	5626
60256	5483
60259	5642
60270	5651
60294	128
60304	5529
60306	5624
60308	124
60314	108
60317	5642
60319	5642
60322	5693
60323	5642
60335	128
60337	221
60339	181
60341	5652
60350	181
60353	724
60360	5635
60373	515
60380	181
60395	123A
60407	186
60408	152
60410	5633
60413	186
60415	5635
60416	196
60417	128
60423	128
60424	5675
60428	128
60451	5626
60457	188
60458	189
60465	130
60466	5633
60478	5643
60496	5675
60533	5675
60550	5643
60559	124
60572	5633
60579	5626
60582	5642
60594	5693
60597	128
60613	5626
60615	5643
60632	175
60650	5635
60659	128
60663	5626
60667	5675
60673	5642
60677	128
60678	196
60679	152
60680	128
60682	128
60684	154
60685	124
60694	5626
60697	128
60700	128
60701	129
60703	128
60710	130
60719	152
60719-1	159
60720	128
60732	5626
60733	5626
60741	5642
60761	124
60770	104
60784	124
60793	220
60806	5642
60810	181
60816	5635
60817	5635
60833	5635
60835	152
60837	130
60838	152
60879	5643
60886	181
60886	152
60908	6408
60916	5635
60944	130
60947	129
60966	152
60968	5675
60973	130
60977	196
60978	124
60987	152
60991	181
60994	128
60998	5643
61003-4	158
61007	390
61008-8	102A
61008-8-1	102A
61008-8-2	102A
61009-1	108
61009-1-1	108
61009-1-2	108
61009-2	108
61009-2-1	108
61009-4	123A
61009-4-1	123A
61009-6	108
61009-6-1	108
61009-9	129
61009-9-1	129
61009-9-2	129
61009-9-3	102A
61010-0	108
61010-0-1	108
61010-2-1	126A
61010-6	121
61010-6-1	121
61010-7-1	108
61010-7-2	123A
61011-0	129
61011-0-1	129
61011-2	116
61011-3-2	123A
61012	130
61012-4-1	101
61012-5-1	160
61013-2-1	123A
61013-4-1	129
61013-9-1	108
61015-0-1	108
61019	130
61026	311
61035	196
61049	123A
61086-1	233
61088	5801
61093	5642
61096	5642
61100-4100	5635
61102	152
61102-0	126A
61104	5643
61122	5529
61133	108
61134	5643
61157	5642
61158	5642
61163	551
61173	181
61189	5675
61190	5642
61193	152
61209	128
61218	127
61219	128
61224	5642
61234	130
61239	187
61242	186
61244	129
61252	196
61260	5496
61273	311
61275	128
61282	311
61285	152
61286	152
61291	5642
61295	5675
61359	128
61367	130
61369/4367	130
61370/4560	128
61371/4561	129
61376	5635
61384	5695
61399	5626
61408	5529
61418	152
61436	156
61443	1003
61451	181
61452	5635
61456	181
61532	5675
61534	196
61538	128
61558	161
61562	128
61565FA	8242
61566	722
61596	5675
61612	5697
61613	5697
61636	152
61652	5697
61661	108
61663	108
61664	5642
61666	129
61667	128
61733	128
61755	161
61762	5633
61770	5642
61772	152
61774	129
61807	5802
61819	5547
61828	128
61831	5635
61832	5697
61841	128
61868	130
61872	5635
61875	152
61917	128
61932	5675
61937	129
61940	316
61957	5529
61958	152
61965	124
61981	152
61997	196
62004	130
62005-1	130
62013	124
62019	128
62032	102A
62075	5529
62119	124
62140	125
62142	175
62143	130
62144	196
62156	152
62177	121
62185	128
62188	284
62191	5635
62192	128
62193	5697
62203	192
62204	129
62207	5642
62211	5635
62212	5675
62229	124
62232	5642
62238	5635
62243	128
62274	5642
62277	197
62279	197
62282	5529
62287	181
62334	5675
62342	5635
62382	130
62398	128
62404	128
62446	128
62449	108
62452	128
62457	5642
62511	196
62512	197
62540	128
62547	238
62571	152
62584	129
62612	128
62660	175
62665	124
62680	5643
62681	152
62689	124
62708	129
62746	5643
62759	197
62763	175
62792	130
62950	186
63234-1	909
63282	159
63718(Boston Gear)	116
63719(Boston Gear)	116
63722(Boston Gear)	5878
63723(Boston Gear)	5882
63729(Boston Gear)	5527
63730(Boston Gear)	5529
63900-229	128
64071-1	102
64090	230
65116(RAM)	2128
65747	5466
65804-62	160
65804-63	102A
65813	5410
65819	5410
65927	56024
66007-4	128
66008-2	102A
66009-5	121
66010-3	121
66140	5645
66161(PEAVY)	94
66299	246
66619	5466
66682-42	116
66792	53
67001	128
67003	128
67055	177
67055-0	177
67055-1	177
67085-0	121MP
67085-0-1	121MP
67193-82	100
67193-85	102
67401	173BPS
67544	136A

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To Be Replaced	ECG Replacement
67586	123A
67590	109
67599	158
67802	108
68177	116
68177A	116
68504-62	160
68504-63	102A
68504-76	110MP
68504-77	109
68504-78	116
68555	284
68617	123A
68645-03	116
68895-13	102
68994-1	941
68995-1	9109
69107-42	126A
69107-43	160
69107-44	126A
69107-45	102
69111	116
69213-78	116
69901(Zenith)	159
70008-0	130
70008-3	130
70019-1	175
70019-5	175
70023-0-00	123A
70023-1-00	123A
70055	177
70064-7	116
70066-3	116
70066-4	116
70087-31	128
70158-9-00	129
70167-8-00	108
70177A01	798
70177A02	748A
70177A03	738
70177A05	749
70177A07	767§
70177B02	748A
70205-8A	125
70231	108
70260-11	108
70260-12	108
70260-13	108
70260-14	123A
70260-15	123A
70260-16	123A
70260-18	130
70260-19	129
70260-20	123A
70260-29	129
70270-05	125
70270-23	116
70270-38	125
70299-1	326
70372-1	116
70372-2	116
70398-1	101
70399-1	6400B
70399-2	6401
70432-16	116
70434	121
70511	123A
70581-1	119
71006-28	116
71006-30	116
71119-002	177
71119-1	177
71119-2	519
71119-3	519
71129	5963
71129-1	5963
71129-2	5962
71193-2	102A
71226-002	289A
71226-003	289A
71226-004	289A
71226-005	289A
71226-006	289A
71226-015	289A
71226-1	289A
71226-2	289A
71226-3	289A
71226-4	289A
71226-5	289A
71226-6	289A
71226-10	123A
71226-15	289A
71226-101	289A
71226-102	289A
71226-103	289A
71226-104	289A
71226-105	289A
71226-115	289A
71226-202	289A
71226-203	289A
71226-204	289A
71226-205	289A
71226-206	289A
71226-207	289A
71226-208	289A
71226-209	289A
71226-210	289A
71226-211	289A
71226-212	289A
71226-213	289A
71226-214	289A
71226-215	289A
71411-001	5074A
71411-002	142A
71411-003	5077A
71411-005	5031A
71411-008	5029A
71411-009	5010A
71411-011	5000A
71411-014	5027A
71411-017	5022A
71411-018	5008A
71411-1	141A
71411-2	142A
71411-3	5077A
71411-4	5079A
71411-5	5081A
71411-6	146A
71411-7	5081A
71411-8	5079A
71411-9	5010A
71411-10	145A
71411-11	5000A
71411-12	147A
71411-13	5011A
71411-15	135A
71411-17	5022A
71411-18	5008A
71412-1	289A
71412-2	289A
71412-3	289A
71412-4	289A
71412-5	289A
71447-001	192A
71447-002	192A
71447-003	192A
71447-1	192A
71447-2	192A
71447-3	192A
71447-101	123A
71447-201	123A
71448	121
71448-1	121
71448-2	121
71448-3	121
71448-4	121
71448-5	121
71448-6	121
71448-7	121
71448-10	179
71449	5802
71449-1	5801
71467-1	177
71467-2	177
71488-4	121
71488-5	121
71488-6	121
71588-1	116
71588-2	116
71588-5	116
71588-6	116
71667-1	177
71677-1	519(2)
71686-004	457
71686-005	312
71686-006	312
71686-007	312
71686-015	312
71686-016	312
71686-1	312
71686-4	457
71686-5	459
71686-6	459
71686-104	312
71687	159
71687-001	159
71687-1	159
71687-101	159
71687-201	159
71748-001	326
71748-1	312
71778	109
71779	116
71780	5009A
71783	169
71794	156
71818-001	159
71818-1	159
71819-001	128
71819-1	123A
71887-001	326
71887-002	326
71887-1	326
71887-2	326
71887-101	326
71961-001	396
71961-1	128
71962-001	129
71962-1	129
71963-001	199
71963-1	199
71964-001	130MP
71964-1	130
71965-001	114
71965-1	177
72003	176
72004	176
72006	176
72013	109
72020	358
72036	115
72041	116
72053	113A
72054-001	172A
72054-1	172A
72054-101	172A
72058	116
72058A	116
72059	358
72060	109
72079	116
72079-001	116
72079-002	116
72079-003	116
72079-004	116
72079-1	116
72079-2	125
72079-3	125
72079-4	125
72080	109
72093-001	184
72097	116
72101	116
72103	116
72109	116
72110	118
72111	119
72113	116
72113A	116
72114	123A
72115	123A
72116	123A
72117	102A
72117-001	153
72117-1	187
72117-101	153
72119	116
72123	116
72123A	116
72128	110MP
72128A	109
72129	109
72129A	109
72130	116
72130-1	116
72131-001	6402
72131-002	6402
72131-1	6402
72131-102	6402
72132-001	829
72132-1	829
72133-1	767§
72133-2	767§
72135	138A
72135-C	138A
72137	506
72145	116
72145A	116(5)
72146	177
72147	177
72148	113A
72150	102A
72151	123A
72151(Rectifier)	156
72152	178MP
72158	116
72161-1	506
72162-1	522
72162-2	500A
72163-1	178MP
72165-1	5097A
72165-3	5068A
72165-5	5099A
72165-6	5101A
72167-002	5801
72167-2	5801
72168-001	3018
72168-2	5081A
72168-3	137A
72171-1	116
72172-1	125
72173-1	5463
72174-1	166
72176	116
72180	523/3306
72181-001	74121
72181-101	74121
72185	7476
72185-001	7476
72185-101	7476
72186-1	3018
72190	158
72191	103A
72192-001	186
72192-1	186
72192-101	152
72193	131
72197	177
72204	123A
72206	123A
72207	123A
72208-001	5635
72233-001	211
72233-1	211
72233-101	292
72258-001	2040
72259-001	289A
72259-002	129
72259-003	384
72259-1	289A
72300PB5	5651
72303PM	5643
72333-001	976
72351-001	199
72393-001	4049
72394-001	4011B
72396-001	4012B
72397-001	4013B
72398-001	4027B
72399-001	4024B
72409-001	467
72411-001	4016B
72412-001	74C164
72414-001	309K
72415-001	931
72415-003	933
72417-001	5452
72417-101	5452
72461-001	4050B
72462-001	7475
72463-001	74154
72468-001	74C04
72469-001	2042§
72473-001	141A
72474-001	5402
72475-001	7400
72476-001	74C00
72477-001	74C76
72513-001	74C20
72541-001	74C10
72544-001	74C175
72546-001	219
72547-001	2013
72548-001	2041§
72591-001	130
72599-101	948
72601-001	4051B
72602-001	74C193
72648-001	4006B
72649-001	4006B
72651-001	74C02
72653-001	74C154
72668-001	980
72784-21	100
72784-22	102A
72784-23	102A
72797-80	126A
72797-81	160
72799-41	102A
72813-10	102A
72823-001	4013B
72824-001	4015B
72825-001	4042B
72827-001	4069
72828-001	4071B
72829-001	4081B
72830-001	4082B
72831-001	4516B
72832-001	4555B
72833-001	4001B
72834-001	4002B
72835-001	4011B
72836-001	4023B
72839-001	902
72847-51	102A
72856-63	121
72874-52	123A
72879-39	126A
72879-40	126A
72923-08	160
72941-33	102A
72949-10	108
72951-95	108
72951-96	108
72963-14	123A
72979-80	108
73100-9	102A
73601-1	123A
74004-1	724
74004-2	724
74021-1	74H30
74107PC	74107
74109	74109
74109B	74109
74111	74111
74121PC	74121
74122PC	74122
74123	74123
74123N	74123
74123PC	74123
74125	74125
74126	74126
74126A	74126
74126PC	74126
74128	74128
74128A	74128
74132	74132
74132A	74132
74132PC	74132
74138	74LS138
74141DC	74141
74141PC	74141
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74145DC	74145
74145PC	74145
74150DC	74150
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74156PC	74156
74157DC	74157
74157PC	74157
74163	74163
74163N	74163
74164DC	74164
74164PC	74164
74165DC	74165
74165PC	74165
74166DC	74166
74166N	74166
74166PC	74166
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74173PC	74173
74174	74174
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74175DC	74175
74175PC	74175
74176DC	74176
74176PC	74176
74177(IC)	74177
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74180DC	74180
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74190DC	74190
74190PC	74190
74191DC	74191
74191PC	74191
74192DC	74192
74192PC	74192
74193	74193
74193DC	74193
74193PC	74193
74195N	74195
74196DC	74196
74196PC	74196
74197DC	74197
74197PC	74197
74198DC	74198
74198PC	74198
74199DC	74199
74199PC	74199
74200-8	116
74200-9	116
74221N	74221
74290DC	74290
74290PC	74290
74293DC	74293
74293PC	74293
74651-02	123A
74662	181
75145-3	128
75188N	75188
75230-9	116
75450APC	75450B
75450BA	75450B
75450BPC	75450B
75451APC	75451B
75451ATC	75451B
75451BPC	75451B
75451BTC	75451B
75451BV	75451B
75452(IC)	75452B
75452APC	75452B
75452ATC	75452B
75452BPC	75452B
75452BTC	75452B
75452BV	75452B
75453APC	75453B
75453ATC	75453B
75453BTC	75453B
75453BV	75453B
75454APC	75454B
75454ATC	75454B
75454BPC	75454B
75454BTC	75454B
75491APC	75491B
75491BPC	75491B
75491PC	75491B
75492APC	75492B
75492BPC	75492B
75492PC	75492B
75561-1	159
75561-2	159
75561-3	123A
75561-16	123A
75561-18	234
75561-20	128
75561-21	234
75561-28	123A
75561-31	159
75561-32	128
75561-33	123A
75568-3	107
75596-1	234
75596-2	234
75596-3	234
75596-4	234
75597-1	311
75613-1	199
75613-2	199
75614-1	123A
75616-6	108
75617-1	159
75617-2	159
75636-1	77
75653-1	341
75654-1	316
75700-03-01	121
75700-04	123A
75700-04-01	123A
75700-05	123A
75700-05-01	123A
75700-05-02	123A
75700-05-03	123A
75700-08	123A
75700-08-02	123A
75700-09-01	123A
75700-09-21	123A
75700-13-01	129
75700-14-02	116
75700-14-05	125
75700-22-01	175
75700-24-02	125
75702-15-21	116
75702-15-24	117A
75702-15-34	125
75803-1	153
75803-2	153
75803-3	153
75810-17	108
75960CH	102
76236	123A
76251	390
76600P	746
76675	109
76675A	109
76675B	109
76797-2	923
77001	230
77027-1	9093
77027-2	9093
77052-3	102A
77052-4	102A
77053-2	102A
77068-3170756	124
77190-7	116
77190-8	125
77271-3	116
77271-4	125
77271-8	160
77272-0	102A
77272-1	102A
77272-5	102A
77272-7	102A
77272-9	102A
77273-2	102A
77273-3	102A
77273-6	102A
77273-7	102A
77489	112
77561-27	159
77980-113	5017A
78001	231
78010(Plastic)	1932
78010AP	1932
78020	74C151
78021	4051B
78023	977
78024	987
78027	4027B
78028	4012B
78029	4023B
78032	824
78034	987
78035	950
78331	159
78399	130
78524-39-01	125
78527-75-01	102A
78527-76-01	102A
78527-78-01	102A
78527-79-01	102A
78894	116
78896	358
78972	112
79408	139A
79855	108
79856	108
79922	175
79949	148A
79985	109
79992	152
80050	121
80053	704
80062-01	289A
80062-02	123AP
80062-03	196
80062-04	394
80070	704
80071	704
80073	704
80074	704
80081	726
80083	704
80090	704
80091	76
80094	704
80114	706
80131	241
80167	76
80231	76
80249-910787	163A
80254	2052
80287	706
80416C	121
80501	289A
80540	123A
80544	123A
80545	123A
80710	712
80755	781
80757	727
80807	130
80813VM	123A
80814VM	123A
80815VM	123A
80816VM	123A
80817VM	103A
80818VM	102A
80827	706
80829	789
80902-1	128
80904-1	128
80951	5074A
80968	5063A
81170-6	123A
81177	731
81336-1	727
81336-2	727
81404-4A	102A
81410-145	199
81500-3	102A
81501-5	102A
81502-0	100
81502-0A	100
81502-0B	100
81502-1	100
81502-1A	100
81502-1B	100
81502-2	102A
81502-2A	102A
81502-2B	102A
81502-3B	102A
81502-4	102A
81502-4A	102A
81502-4B	102A
81502-5	102A
81502-5A	100
81502-5B	100
81502-6	101
81502-6A	101
81502-6B	101
81502-6C	101
81502-6D	101
81502-7	100
81502-7A	100
81502-7B	100
81502-7C	100
81502-8	100
81502-8A	100
81502-8B	100
81502-8C	100
81502-9	102A
81502-9A	102A
81502-9B	102A
81502-9C	102A
81503-0	102A
81503-0A	102A
81503-0B	102A
81503-1	102A
81503-1A	102A
81503-1B	102A
81503-3	102A
81503-3A	102A
81503-4	102A
81503-4A	102A
81503-4B	102A
81503-4C	102A
81503-6	100
81503-6A	100
81503-6B	100
81503-6C	100
81503-7	100
81503-7A	100
81503-7B	100
81503-7C	100
81503-8	100
81503-8B	102A
81503-8C	102A
81504-1	100
81504-1A	100
81504-1B	100
81504-1C	100
81504-3	100
81504-3A	100
81504-3B	100
81504-3C	100
81505-8	102A
81505-8A	102A
81505-8B	102A
81505-8C	102A
81505-8X	102A
81506-4	126A
81506-4A	126A
81506-4B	126A
81506-4C	126A
81506-5	100
81506-5A	100
81506-5B	100
81506-5C	100
81506-6	100
81506-6A	100
81506-6B	100
81506-6C	100
81506-7	126A
81506-7A	126A
81506-7B	126A
81506-7C	126A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
81506-8	126A
81506-8A	126A
81506-8B	126A
81506-8C	126A
81506-9	102A
81506-9A	102A
81506-9B	102A
81506-9C	102A
81507-0	102A
81507-0A	102A
81507-0B	102A
81507-0C	102A
81507-0D	102A
81507-4	102A
81507-5	103A
81507-6	103A
81510-3	100
81510-4	102A
81510-5	100
81511-4	102A
81511-5	100
81511-6	100
81511-7	100
81511-8	102A
81512-0	102A
81512-0A	102A
81512-0B	102A
81512-0C	102A
81512-0D	102A
81512-0E	102A
81513-3	123A
81513-6	102A
81513-7	121
81513-8	116
81513-9	102A
81514-2	116
81515-8	102A
81516-0	102A
81516-0A	102A
81516-0B	102A
81516-0C	102A
81516-0D	102A
81516-0E	102A
81516-0F	102A
81516-0G	102A
81516-0H	102A
81516-0I	102A
81516-0J	102A
82716	108
82944-37	855
82944-38	856
82965F	5635
83008	116
83011	108
83272	159
83741C01	5465
84001	129
84001A	129
84001B	129
84011	4011B
84011U	4011B
84107	74107◆
84109	74109◆
84110	74110◆
84111	74111◆
84121	74121◆
84122	74122◆
84123	74123◆
84125	74125◆
84126	74126◆
84128	74128◆
84132	74132◆
84145	74145◆
84150	74150◆
84151	74151◆
84153	74153◆
84154	74154◆
84155	74155◆
84156	74156◆
84160	74160◆
84161	74161◆
84162	74162◆
84163	74163◆
84164	74164◆
84165	74165◆
84166	74166◆
84170	74170◆
84174	74174◆
84175	74175◆
84176	74176◆
84177	74177◆
84178	74178◆
84179	74179◆
84180	74180◆
84181	74181◆
84182	74182◆
84190	74190◆
84191	74191◆
84192	74192◆
84193	74193◆
84195	74195◆
84196	74196◆
84197	74197◆
84198	74198◆
84199	74199◆
84323	9931
84324	9962
84353-2	9927
84380-1	911
84626	9914
84626-1	9914
84626-2	9914
84626-3	9914
84626-4	9914
84628	9921
84628-1	9921
84628-2	9921
84628-3	9921
84628-4	9921
84630	9900
84630-1	9900
84630-2	9900
84630-3	9900
84631	9974§
84631-1	9974§
84631-2	9974§
84631-3	9974§
84631-4	9974§
85501	290A
85549	123A
86001	109
86257	129
86287	123A
86313	786
86452	102
86458	124
86458-00	124
86812	123
86822	123
86832	102
86842	102
87532	128
87756	177
87757	123A
87758	159
87759	159
87826B	1232
88060-52	177
88060-53	110MP
88060-54	5072A
88060-55	177
88060-141	312
88060-142	229
88060-143	123A
88060-144	199
88060-145	128
88060-146	186
88060-147	1100
88510-52	177
88510-53	110MP
88510-54	5072A
88510-55	177
88510-171	312
88510-172	107
88510-173	123A
88510-174	199
88510-175	123A
88510-176	186
88510-177	1100
88510-178	1142
88641	116
88686	123
88687	123A
88688	123A
88700	176/411
88796-1-1	5529
88801-3-1	175
88803	128
88803-2-1	128
88803-3-1	128
88832	121
88834	128
88862	123A
89028-2	9945
89028-3	9944
89028-4	9946
89028-4-1-4	9946
89028-6	9933
90000-1	76
90000-2	76
90041	333
90050	121
90062	333
90063	470
90131	123A
90203-6	116
90209-172	123A
90209-182	123A
90209-246	234
90326-001	123A
90330-001	159
90429	123A
90431	194
90432	159
90448	194
90934-35	199
91001	116
91021	101
91027	1291
91271	128
91272	128
91273	128
91274	130
91335	519
91371	198
91411	128
91428	9914
91605	123A
92064-001	541
92138-01	941
92328	OBS-NLA
93005	116
93006	116
93007	116
93011	116
93012	116
93018	5072A
93022	116
93022A	116
93023	116
93027	117A
93028	116
93030	140A
93141DC	74141
93141PC	74141
93145DC	74145
93145PC	74145
93150DC	74150
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93197DC	74197
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93198DC	74198
93198PC	74198
93199DC	74199
93199PC	74199
93403	7489
93407	7481
93417AD	74S387
93417ADC	74S387
93417AP	74S387
93417APC	74S387
93417D	74S387
93417DC	74S387
93417P	74S387
93417PC	74S387
93427AD	74S287
93427ADC	74S287
93427AP	74S287
93427APC	74S287
93427D	74S287
93427DC	74S287
93427P	74S287
93427PC	74S287
93434	OBS-NLA
93436D	74S570
93436DC	74S570
93436P	74S570
93436PC	74S570
93438D	74S475
93438DC	74S475
93438P	74S475
93438PC	74S475
93446D	74S571
93446DC	74S571
93446P	74S571
93446PC	74S571
93448D	74S474
93448DC	74S474
93448P	74S474
93448PC	74S474
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93451D	74S478
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93451P	74S478
93451PC	74S478
93452D	74S572
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93452PC	74S572
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95113	101
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95115	101
95116	126A
95117	101
95118	126A
95119	126A
95120	126A
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95121	160
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95241-1	294
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95250	121
95250-1	121
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95252-1	124
95252-2	124
95252-3	124
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95294	722
95296	172A
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95332-1	177
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96293-01	1749
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99102-005-0	1290
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99104	160
99105	160
99106	160
99107	160
99108	160
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99109-2	123
99120	126A
99121	126A
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99201-16	5019A
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99201-102	5002A
99201-110	5011A
99201-116	5019A
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99201-201	5000A
99201-208	5115A
99201-209	5010A
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99201-211	137A
99201-212	5014A
99201-216	140A
99201-217	5020A
99201-219	142A
99201-221	5025A
99201-224	5080A
99201-228	147A
99201-229	5037A
99201-242	5097A
99201-278	147A
99201-310	5011A
99201-312	5071A
99201-316	140A
99201-318	5021A
99201-319	5022A
99201-321	5025A
99201-325	5081A
99201-326	146A
99201-331	5039A
99202	102A
99202-128	147A
99202-210	136A
99202-216	140A
99202-217	5074A
99202-218	142A
99202-220	143A
99202-221	5075A
99202-222	5077A
99202-223	5078A
99202-226	146A
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99210-204	134A
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99252	124
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100093	123A
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100471	113A
100520	116
100581	113A
100617	116
100624	116
100678	126A
100693	102A
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100828-003	177
100844	109
101078	160
101087	160
101089	126A
101119	123A
101154	177
101185	123A
101403	116
101434	108
101435	128
101436	195A
101497	159
101568	181
101678	101
101973	102A
101974	102A
102001	159
102002	123A
102005	7490
102009	177
102209	128
102249	358
102260	159
102263	159
102989	109
103318	116
103443	101
103508-2	9914
103508-3	9915
103514	519
103521	123A
103562	102A
103661-3	449
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103872	113A
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104059	126A
104080	103A
104081	116
104152	109
104213	116
104273	116
104325	116
104389	123A
104444	102A
104615	116
104680	3018
104680(Organ)	3018
104719	128
104762	519
104825	1179
104830	9930
104833	9933
104836	9936
104844	9944
104846	9946
104862	9962
105064	120
105180	128
105325	1155
105330	358
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105432	123A
105468	106
105517	109
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107225	1192
107268	115
107274	102
107474	113A
107540	116
107625	1234
107628	115
107729	112
109308	113A
109328	113A
109474	113A
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110043	116
110075	195A
110240-005	9948
110242-003	9962
110242-004	9962
110263	158
110351	146A
110388	116
110472-003	9944
110494	158
110495	103A
110496	116
110515	104
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110629	116
110636	116
110667	519
110669	128
110697	123A
110699	128
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110957	102A
110958	103A
110959	102A
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111011	102
111012	102
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111086	116
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111118	160
111193-001	311
111207	109
111278	128
111279	195A
111303	123A
111313	160
111489	116
111516	116
111605	109
111625	746
111642	116
111776	116
111820	116
111943	108
111945	129

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111954	160
111955	160
111956	160
111957	102A
111958	103A
111959	102A
112001	160
112002	160
112011	160
112017	116
112018	116
112032	160
112041	126A
112071	102
112296	160
112297	102A
112329	116
112329(Amphenol)	177
112330	109
112355	108
112356	123A
112357	123A
112358	123A
112359	123A
112360	128
112361	128
112362	224
112520	123A
112521	123A
112522	123A
112523	123A
112524	109
112525	188
112526	109
112527	224
112528	156
112529	109
112529(Amphenol)	177
112530	139A
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112544(Bose)	331
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113321	116(3)
113348	123A
113391	119
113392	116
113397	177
113398	116
113398(Transistor)	123A
113438	123A
113524	123A
113875	130
113876	181
113938	161
113942	128
113998	116
114013	116(5)
114143-1	108
114267	161
114401	5529
114504	176
114504A03	176
114525	395
115039	116
115060-102	519
115063	121MP
115099	614
115101	109
115123	138A
115167	123A
115225	123A
115227	160
115228	160
115229	160
115268	121
115269	121
115270-101	106
115275	126A
115281	121
115282	121
115283	121
115284	121
115300-1	128
115304	195A
115328	123A
115440	108
115504	160
115517-001	159
115524	125
115527-1	175
115529	125
115559	116
115559A	116
115599	116
115720	123A
115728	123A
115783	124
115792	153
115810P2	128
115817	124
115867	507
115875	123A
115910	108
115925	108
116021(Sears)	177
116048	109
116050	110MP
116052	116
116054	116
116068	127
116072	126A
116073	108
116074	123A
116075	124
116076	123A
116077	123A
116078	123A
116078(RCA)	159
116079	108
116080	108
116081	154
116082	108
116083	108
116084	100
116085	123A
116086	127
116087	127
116088	127
116089	127
116091	102A
116092	123A
116093	121
116118	152
116118-2	152
116119	108
116148	123
116198	108
116199	229
116200	108
116201	102A
116202	160
116203	102A
116204	103A
116205	102A
116206	102A
116207	160
116208	160
116209	160
116273	109
116279	124
116284	129
116286	102A
116314	112
116588	123A
116593	116
116623	912
116628	102A
116683	160
116684	160
116685	102A
116686	102A
116687	103A
116730	110MP
116756	126A
116757	102A
116796P1	704
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116906	85
116988	102A
116996	102A
116997	102A
116998	102A
117145	116
117145A	116
117208	102A
117209	102A
117210	102A
117616	102A
117617	102A
117618	126A
117658	126A
117659	109
117724	126A
117725	160
117726	160
117727	102A
117728	102A
117729	612
117730	109
117760	109
117823	108
117824	126A
117866	160
117867	158
118040(ELECTRO)	975
118200	123A
118244	116(4)
118279	124
118284	159
118335	519
118361	704
118527-04	177
118686	124
118713	123A
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118825	116
118870	5014A
118873	116
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119199	109
119228-001	159
119232-001	123A
119258-001	123A
119264-001	519
119298-001	129
119412	229
119414	229
119507	177
119526	126A
119546	177
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119555	161
119556	161
119557	161
119594	140A
119596	177
119597	177
119609	704
119635	123AP
119636	123AP
119650	124
119661	614
119662	112
119697	177
119721	121
119722	127
119723	127
119724	123A
119725	123A
119726	123A
119727	158
119728	128
119730	159
119822	128
119823	159
119824	161
119825	161
119919	109
119956	177
119982	123A
119983	129
120068	519
120073	123A
120074	123A
120075	102A
120085	123A
120143	102A
120144	102A
120231	116(4)
120471	125
120481	123A
120482	123A
120483	123A
120503	116
120504	142A
120544	116
120545	102A
120546	102A
120617	109
120818	173BP§
120909-24.4	102A
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121153	100
121154	100
121180	156
121243	121
121244	179
121467	159
121468	116
121655	123A
121658	123A
121659	159
121660	123A
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121661(RCA)	123A
121662	123A
121663	123A
121664	123
121680	116
121994	785§
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122074	123A
122111	101
122112	101
122129	116
122166	109
122199	704
122243	102A
122244	102A
122517	108
122518	108
122519	85
122520	109
122664	123A
122665	123AP
122725	126A
122788	116
122792	121
122901	102A
122902	107
122904	107
123004	116
123139	123AP
123160	108
123243	128
123244	126A
123274	123A
123275	124
123275-14	124
123276	614
123296	116
123375	124
123379	102A
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123430	108
123431	108
123511	126A
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123555-02	5547
123555-03	5547
123702	116(4)
123703	128
123726	614
123791	102A
123792	121
123804	116
123804-1	116
123805	102A
123805(Diode)	177
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123807	123A
123808	131MP
123809	102A
123813	177
123840	116
123852	102A
123877	102A
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123941	123AP
123944	123AP
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123991	159
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124047	159
124097	126A
124098	116
124263	108
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124412	107
124511	130
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124623	107
124624	107
124625	160
124626	102A
124634	106
124753	123AP
124754	233
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124759	123A
124812	116
125105	116
125126	142A
125127	116
125135	123A
125137	108
125138	108
125139	123AP
125140	123AP
125141	123AP
125142	159
125143	123A
125144	229
125261	112
125263	108
125264	108
125329	107
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125389-14	123A
125390	85
125392	108
125394	85
125397	177
125399	612
125458	600
125471	116
125474	85
125475	85
125475-14	108
125485	177
125499	5074A
125519	85
125528	177
125529	116
125549	116
125588	177
125703	121
125707	159
125721	121
125761	121
125787	166
125790	160
125835	116
125844	177
125852	145A
125944	108
125964	116
125972	160
125993	116
125994	85
125994-14	108
125995	107
126023	108
126024	108
126025	161
126093	102A
126093-1	102A
126093-2	102A
126093-3	102A
126093-4	102A
126131	116
126138	124
126148	116
126149	612
126150	289A
126156	289A
126176	116
126177	109
126184	160
126185	126A
126186	160
126187	102A
126188	124
126276	102A
126320	177
126321	177
126331	123A
126334	125
126413	166
126524	159
126525	123A
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126604	711
126609	711
126670	108
126697	102A
126698	233
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126700	159
126701	123AP
126702	123AP
126703	128
126704	123AP
126705	128
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126711	123AP
126712	128
126713	123AP
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126718	159
126719	159
126720	123AP
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126724	159
126725	128
126726	124
126772	124
126836(Regulator)	5074A
126849	167
126851	5071A
126852	145A
126853	5103A
126854	5097A + 5101A(CP)
126855	156
126856	552
126857	515
126858	515
126859	515
126860	118
126861	116
126862	119
126863	123AP
126863(Regulator)	5097A
126864	147A
126871	710
126885	125
126898	230
126899	230
126900	162
126945	102A
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127114	102A
127166	785§
127176	116
127177	142A
127214	222
127263	123A
127297	102A
127303	102A
127335	123AP
127354	85
127355	85
127365	85
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127379	125
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127396	116
127397	158
127398	123A
127399	123A
127474	177
127529	108
127532	112
127533	614
127589	102A
127590	176
127693	108
127695	116
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127784	109
127792	108
127793	108
127794	108
127798	152
127828	179
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127899	123AP
127905F02	5995
127933	177
127962	102A
127978	152
127980	222
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127993	177
128056	152
128057	153
128256	116
128343	102A
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128940	102A
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129029	116
129042	108
129049	108
129050	108
129051	123A
129095	553
129144	229
129145	229
129146	85
129147	289A
129157	109
129158	109
129203	504
129213	116
129241	116(2)
129286	102A
129334	116(4)
129348	OBS-NLA
129359	612
129375	600
129389	126A
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129392-14	108
129393	85
129393-14	108
129394	85
129394-14	108
129424	451
129425	289A
129474	109
129475	601
129509	289A
129510	289A
129511	289A
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129571	85
129573	289A
129574	85
129604	313
129682-001	519
129697	159
129699	159
129708-101	519
129759	116
129802	102A
129821	904
129871	710
129897	123AP
129899	123AP
129903	134A
129904(RCA)	5073A
129938	137A
129940	143A
129946	145A
129947	5116A
129949	123A
129979	108
129980	222
130013(Triac)	5695
130013(Transistor)	123A
130014	130
130025	230
130026	536A
130040	172A
130044	5019A
130045	177
130046	177
130047	5019A
130048	103A
130052	116
130096	148A
130110	125
130122	712
130130	780
130132	5077A
130139	159
130172	128
130174	128
130200-00	102A
130200-02	102A
130215	159
130221	909
130253	234
130278	123AP
130328	142A
130338-01	116
130380	142A
130389-00	116
130400-95	102A
130400-96	103A
130402-36	102A
130403-04	108
130403-13	123A
130403-17	123A
130403-18	123A
130403-47	103A
130403-52	102A
130403-62	108
130404-21	108
130404-29	129
130404-59	108
130474	188
130535	130
130536	123A
130537	123A
130537-1	289A
130537-2	289A
130537-3	289A
130537-4	289A
130537-5	289A
130607	116
130751	712
130761	5075A
130762	5025A
130793	229
130800(ELECTRO)	5457
131005	5527
131006	5527
131075	152
131095-2	175
131139	191
131140	191
131161	196
131214	112
131221	108
131239	196
131240	123A
131241	159
131242	159
131242-12	129
131243	123AP
131243-12	123A
131245	177
131257	181
131262	106
131300	9930
131301	9932
131303	9936
131304	9944
131305	9945
131306	9946
131308	9962
131310	123AP
131311	123AP
131312	9093
131318	558
131320	123AP
131330	123A
131346	230
131347	231
131454	5642
131475	580
131476	515
131501	116
131502	116
131543	161
131544	229
131545	229
131586-21	5687
131647	159
131648	108
131710	234
131711	199
131721	5801
131814	614
131815	156
131815(RCA)	112
131844	108
131848	229
131848(RCA)	152
131849	152
131950	116
131951	116
132076TFI	519
132148	558
132149	116
132175	123AP
132176	159
132285	159
132313	730
132314	728
132315	729
132325	230
132326	231
132327	128
132328	128
132329	123AP
132401(WURLITZER)	9989
132416	142A
132418	116
132445	188
132446	188
132447	189
132448	189
132478	159
132488	189
132492	149A
132495	184
132498	159
132499	152
132500	128
132501	506
132509	177
132547	503
132548	177
132549	177
132553	519
132558	127
132571	185
132573	152
132574	185
132616	5014A
132634	536A
132634(WURLITZER)	9924§
132642	289A
132643	289A
132645	177
132645(WURLITZER)	177
132650	6410
132697	152
132776	130
132814	116
132815	156
132823	123AP
132824	147A
132830	159
132842	147A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
132865	136A
132912	109
132966	503
133026	503
133171	319P
133177	194
133178	194
133182	159
133195	116
133218	123AP
133249	123AP
133253	159
133265	191
133266	552
133275	123AP
133390	116
133490	159
133543	5085A
133550	181
133573	152
133576	128
133600	730
133615	506
133616	506
133684	130
133685	130
133690	123AP
133743	128
133823	175
133923	181
133925	181
133950	116
134009	505
134074	112
134142	108
134143	108
134144	108
134155	128
134180	109
134195-001	9930
134196-001	9932
134197-001	9945
134198-001	9946
134254-001	9950
134263	108
134264	112
134277	116
134279	185
134280	184
134281	180
134282	181
134335	5022A
134340	763§
134342	5642
134415	616
134417	107
134419	108
134442	172A
134444	145A
134445	616
134450	222
134509	757
134771	196
134772	171
134773	165
134774	152
134777	505
134857	229
134989	123AP
134993	136A
135029	5642
135244	503
135281	116
135284	116
135286	159
135297	108
135320	173BP§
135324	222
135341	119
135347	106
135351	218
135352	162
135380	515
135389	289A
135406	5097A
135571	177
135691	532
135716	171
135734	506
135735	196
135739	196
135744	127
135872	109
135930	8125
135932	582
135963	222
136066	154
136145	787
136146	788
136147	789
136162	177
136163	177
136164	616
136165	123AP
136168	229
136239	123AP
136240	229
136281	234
136282	199
136423	159
136424	123AP
136430	123AP
136555	725
136601	185
136605	558
136634	143A
136635	558
136648	152
136688	558
136696	128
136721	615A
136766	395
137002-001(Atari)	74S86
137003-001(Atari)	74S03
137028	177
137028-001	177
137031	532
137057-001	519
137065	189
137066	188
137075	558
137077(SAVILLE)	5814
137077(Organ)	5814
137093	102A
137108-001	857M
137127	229
137151-002	1232
137155	159
137159	289A
137159-1	289A
137159-2	289A
137160(GTR)	6402
137161	OBS-NLA
137161(GTR)	OBS-NLA
137161(WURLITZER)	OBS-NLA
137241	128
137245	780
137338	229
137339	123AP
137340	159
137341	502
137352	163A
137369	184
137383	229
137388	229
137527	152
137606	552
137607	165
137613	114
137614	123AP
137646	532
137647	136A
137648	128
137652	116
137655	5081A
137693	532
137704(ELECTRO)	457
137718	165
137766	395
137780	616
137830	159
137855	504
137875	123AP
137875(I.C.)	941M
137876	5642
137993	177
138001	199
138019	532
138019-001	199
138032(RCA)	310
138033(RCA)	308
138035-001	128
138049-001	234
138049-004	234
138107	149A
138121	189
138172	552
138173	552
138174	146A
138175	552
138191	123AP
138192	152
138193	153
138194	162
138195	162
138196	177
138310	OBS-NLA
138311	7400
138311(WURLITZER)	7400
138312	7401
138312(WURLITZER)	7401
138313	7402
138313(WURLITZER)	7402
138314	7404
138314(WURLITZER)	7404
138315	7408
138315(WURLITZER)	7408
138316	7410
138316(WURLITZER)	7410
138317	7411
138317(WURLITZER)	74H11
138318	7420
138318(WURLITZER)	7420
138319	7421
138319(WURLITZER)	74H21
138320	74193
138320(WURLITZER)	74193
138376	159
138378	123A
138379	152
138380	789
138380(IC)	789
138380(Transistor)	152
138381	7432
138381(WURLITZER)	7432
138403	7473
138403(WURLITZER)	7473
138421	532
138429	5404
138609	552
138681	949
138699	797
138736	119
138752	531
138763	123AP
138789-1	123A
138789-2	123A
138789-3	123A
138789-4	199
138789-5	199
138907	532
138945	612
138946	222
138974	5069A
139001	531
139017	191
139029	519
139044	373
139064	185
139065	177
139235(ELECTRO)	265
139266	188
139267	189
139268	194
139269	194
139270	175
139295	165
139328	177
139362	123AP
139366	199
139455	159
139605	116
139605(AFC)	178MP
139618	172A
139634	109
139696	128
139706	177
139955(WURLITZER)	74121
140129	188
140130	189
140259	191
140290	159
140369(WURLITZER)	7413
140371	159
140372	159
140390	902
140501	128
140503	119
140505(ELECTRO)	997
140506	373
140566(ELECTRO)	5645
140612	181
140622	123A
140623	159
140624	194
140625	197
140626	196
140693	116(2)
140694	116(2)
140713	505
140715	505
140763	230
140764	231
140770	614
140771	108
140772	112
140858-12	123A
140955	503
140959	454
140971	558
140972	558
140973	145A
140976	165
140977	165
140979	196
140995	503
141008	123AP
141018	159
141019	194
141020	196
141134	984
141135	1174
141187	5133A
141219(ELECTRO)	980
141220(ELECTRO)	40106B
141221(ELECTRO)	3042
141227	159
141245	308
141254	533
141255	310
141256	308
141270	1175
141277(ELECTRO)	955M
141279	797
141280	1176§
141290	1177
141295	171
141302	147A
141306-013	123AP
141321-2	287
141330	123AP
141331	123AP
141332	222
141334	159
141335	128
141342	582
141342-11	582
141342-12	582
141343	159
141344	159
141345	159
141346	395
141355	128
141367	165
141370	229
141370-1	165
141371	222
141372	222
141391	221
141402	161
141421	159
141429	142A
141430	5655
141464	533
141489	125
141551	5002A
141558	123AP
141580	144A
141581	5127A
141582	5135A
141584	5136A
141613	145A
141666	123AP
141667	159
141668	5400
141711	159
141736-6	123A
141738p63-1	159
141746	143A
141747	140A
141767	123AP
141783	123AP
141831	159
141833	147A
141834	5079A
141846	123AP
141849	116
141872-6	116
141873	142A
141967	5087A
141978	56008
142010-02	713
142081-3	116
142082(GTR)	6402
142082(WURLITZER)	6402
142083-1	289A
142083-2	289A
142083-3	289A
142114	137A
142115	184
142116	185
142128-1	159
142128-2	159
142134	142A
142136	519
142136(WURLITZER)	519
142136-003	177
142136-0	177
142136-5	177
142137	615A
142160	289A
142171(WURLITZER)	4001B
142172(WURLITZER)	4011B
142190	159
142251	188
142251(WURL)	772A
142251(GTR)	772A
142251(WURLITZER)	772A
142251(RCA)	188
142272	5067A
142294	OBS-NLA
142294(GTR)	OBS-NLA
142294(WURLITZER)	OBS-NLA
142321	5642
142341	985§
142348	194
142349	923D
142349(GTR)	923
142349(WURLITZER)	923
142350	5834
142350(WURLITZER)	5834
142417	5133A
142421	123AP
142422	159
142569	580
142621(WURLITZER)	992
142622(Organ)	994M
142648	778A
142670	147A
142671	171
142681	5351
142682	5401
142683	123AP
142684	123AP
142686	123AP
142689	389
142690	190
142691	152
142704	1175
142711	123AP
142713(WURLITZER)	4016B
142718	1175
142719	986
142728	537
142728(TRIPLER)	537
142738	5081A
142811	123AP
142814	532
142838	159
142839	159
142903	985§
142960	190
143033	1175
143041	194
143041(IC)	915
143042	123AP
143062	9109
143162	112
143227	159
143316	123AP
143561	986
143594	525
143595	109
143622-002	128
143639	159
143690	5134A
143696	851
143753	5119A
143760	147A
143761	5116A
143762	5142A
143765	850
143766	2024
143777	5080A
143790	5425
143791	159
143792	123AP
143793	123AP
143794	123AP
143795	123AP
143796	194
143797	123AP
143798	123AP
143802	159
143803	159
143804	123AP
143805	47
143806	159
143807	159
143808	984
143821	1174
143822	986
143837	177
143847	5081A
143913	533
143963	159
143964	49
144011	1123
144012	1263
144013	1264
144014	1265
144015	1266
144016	1267
144017	1268
144018	1269
144019	1223
144020	1270
144021	9400
144022	9200
144023	9401
144024	1408
144026	712
144027	1168
144028	261
144029	152
144030	234
144031	290A
144033	374#
144034	199
144035	85
144036	107
144037	107
144038	186A
144039	85
144040	199
144041	293
144043	289A
144044	289A
144045	373#
144046	328
144047	289A
144048	229
144049	123A
144050	125(2)
144051	125(2)
144052	116
144053	109
144054	109
144055	601
144056	5013A
144057	605A
144060	3024
144072-2	966
144076	153
144129	152
144178	941M
144178(Organ)	941
144178-2(WURLITZER)	941M
144182	293
144194	112
144195	610
144272	5007A
144273	5069A
144325	108
144326	128
144327	107
144328	610
144571	519
144581	519
144582	85
144583	229
144585	109
144612	1427
144687	199
144688	295
144689	290A
144690	184
144691	519
144693	109
144759	234
144760	290A
144761	290A
144769	172A
144804	5010A
144848	1405
144849	1428
144850	1425
144851	1421
144852	1412
144853	1419
144854	1622
144855	9402
144856	373#
144857	187A
144858	234
144859(DSG)	312
144860	125
144861	5013A
144862	116
144863	290A
144920	1402
144921	958
144922	5007A
144923	615A
144927	519
144967	9403
144968	4011B
144969	4016B
144970	4050B
144971	4069
144973	290A
144974	177
144975	140A
144976	147A
145113	615A
145114	5016A
145134-526	121
145172	189
145173	123AP
145208	537
145235	778A
145258	123AP
145395	123AP
145398	123AP
145410	159
145513	5401
145551	159
145586	4013B
145648	238
145658	612
145660	519
145671	165
145683	614
145686	222
145687	108
145718	533
145719	537
145766	159
145776	159
145784-8(PLASTIC)	308P
145784-8(METAL)	308
145789	308
145817	5074A
145818	4011B
145833	123AP
145838	16◆
145839	116
145840	294
145893	172A
145966	19
146052	1175
146081	153
146136	552
146137	552
146138	147A
146139	152
146141	123AP
146142	123AP
146143	190
146144-2	123A
146149	842
146150	841
146151	985§
146152	986
146153-1	123A
146164	990
146171-31	116
146260	5018A
146261	5132A
146273	136A
146274	140A
146275	5000A
146281	5026A
146286-01	124
146298	5140A
146301	123AP
146302	310
146303	308
146306	5131A
146316	525
146320	135A
146359	159
146460-2	789
146466-1	130
146484	123AP
146512	16
146512(BCE)	85
146514	1419
146519	199
146521	222
146537-1	986
146568	290A
146569	187A
146570	18
146571	519
146572	85
146575	109
146576	519
146595	1414
146596	373#
146610	199
146611	109
146612	144A
146613	147A
146629	3022
146630	116
146631	5022A
146641	9946
146642	9962
146643	9930
146644	9945
146696	312
146697	159
146698	290A
146700	199
146701	374
146702	289A
146823	389
146826	171
146846	5021A
146847	123AP
146848	229
146849	210
146850	159
146851	287
146854	123AP
146855	152
146856	152
146857	1545
146858	844
146893	1428
146894	1400
146895	1422
146896	712
146898	374
146899	19
146900	19
146901	234
146902	290A
146903	16◆
146904	18
146905	312
146906	125(2)
146907	125(2)
146908	5011A
146911	615A
146912	519
146924(BCE)	290A
147015	552
147044-1	616
147112-7	129
147115	123A
147115-5	123A
147115-6	123A
147115-7	199
147115-8	199
147115-9	161
147122P7	199
147171-11	515
147187-2-14	125
147193(WURLITZER)	4012B
147197(WURLITZER)	977
147201(WURLITZER)	4027B
147202(WURLITZER)	824
147204(WURLITZER)	950
147205	950
147213	519
147214	177
147216	125
147218	519
147219	5016A
147220	5020A
147221	5014A
147229	1591
147232	1660
147234	4011B
147242	16
147242(BCE)	85
147243	290A
147244	196
147245	289A
147245-0-1	108
147247	234
147256	9944
147311	184
147312	293
147321	85
147339	1600
147340	1554
147350-2-1	704
147351-4-1	127
147351-5-1	121
147352-0-1	124
147353-0-1	161
147355	128
147356-9-1	108
147357-0-1	129
147357-1-1	123A
147357-2-1	108
147357-4-1	129
147357-7-1	123A
147357-9-1	108
147359-0-1	129
147363-1	123A
147367(WURLITZER)	74C151
147368(WURLITZER)	4051B
147389	85◆
147405	1414
147406	5021A
147437	1469
147438	712
147439	290A
147464	615A
147477-7-1	140A
147477-8-2	125

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
147477-8-3	125
147477-8-7	125
147477-8-8	125
147477-8-10	125
147478	4066B
147478-8-2	117A
147513	123A
147529	519
147546	5022A
147549-1	159
147549-2	159
147555-1	123A
147579	125
147614	5074A
147617-11	506
147617-12	506
147624-1	197
147655	159
147663	159
147664	123AP
147665	159
147676-1	233
147693	125
147704	108
147704-6-4	142A
147887	4013B
147892	391
147922-2	112
147923	85
147924	19
147925	262
147926	125(4)
147927	519
147943	616
147974	373
147975	187
147993	125
148085	222
148112	5425
148124	113A
148146	85
148229	5002A
148235	778A
148236	4049
148246	125
148253(WURLITZER)	4081B
148256	85
148272	553
148273(WURLITZER)	4013B
148507	5020A
148526	389
148529	5014A
148531	5018A
148690	5086A
148711	85
148712	125(2)
148714	125(2)
148715	1270
148717	1625
148718	1709
148719	1621
148720	1422
148721	1700
148723	1701
148725	1702
148727	1314
148728	778A
148729	1613
148730	4011B
148731	4012B
148732	4025B
148733	4049
148734	4066B
148735	4078B
148737	4528B
148740	834
148741	1409
148742	7416
148744	1440
148745	960
148746	391
148747	55
148748	91
148749	21
148751	196
148751-147	108
148752	373#
148753	15
148754	261
148755	289A
148756	16
148757	152
148758	261
148759	377
148760	241
148761	85
148762	90
148763	116
148764	5012A
148765	5314
148766	5025A
148771	519
148773	3121
148777	611
148778	610
148779	123AP
148780	108
148781	5072A
148782	90
148801	375
148803	605A
148804	5010A
148805	615A
148874	5037A
148907	123AP
148919	375
148954	2207
148956	962
148957	5071A
148958	5029A
148959	290A
148961	454
148964	238
148968	222
148991	9112§
148995	159
148996	123AP
148997	123AP
148998	89
148999	152
149007	6410
149017	960
149018	987
149037	846
149038	968
149040	159
149041	159
149042	139A
149178(WURLITZER)	4073B
149179(WURLITZER)	4082B
149180(WURLITZER)	4030B
149181(WURLITZER)	4069
149182(WURLITZER)	4029B
149183(WURLITZER)	4008B
149184(WURLITZER)	4098B
149185(WURLITZER)	4052B
149186(WURLITZER)	74C174
149251	230
149252	712
149253	868
149254	844
149255	923D
149433	605A
149434	605A
149471	159
149488(BCE)	289A
149489(BCE)	85
149539	552
149540	5022A
149544(CEB)	229
149546	5351
149584	1529
149585	1703
149586	1718
149587	4001B
149588	4013B
149589	4049
149590	4081B
149591	7416
149592	1609
149598	962
149608(BCE)	85
149609	241
149610	293
149611	391
149612	55
149613	293
149614	261
149615	519
149616	5025A
149617	125(4)
149676	112
149684(BCE)	289A
149730	109
149731	116
149751	5143A
149776(WURLITZER)	74LS151
149779(WURLITZER)	74LS04
149793(WURLITZER)	74150
149794(WURLITZER)	7416
149795(WURLITZER)	4071B
149796(WURLITZER)	4050B
149797	5116A
149864	289A
149870	850
149930	142A
149954	4001B
150000	292
150001	398
150002	165
150003	85
150004	375
150005	376
150006	376
150007	373
150008	289A
150009	289A
150010	289A
150011	107
150032	712
150033	1469
150034	4520B
150035	1473
150036	1439
150037	1409
150038	966
150045	128
150046A	128
150060	175
150064	601
150067	125(4)
150070	181
150071	116
150072	615A
150073	558
150074	552
150075	552
150076	506
150095	128
150103(WURLITZER)	7417
150110(WURLITZER)	4025B
150117	123A
150164	1219
150177	519
150178	177
150322	18
150325	1545
150330	290A
150331	85
150332	85
150342	1427
150344	159
150361	960
150363	142A
150364	375
150365	615A
150366	159
150368	1652
150369	1566
150371	912
150392-5(Organ)	960
150392-12(Organ)	967
150392-15(Organ)	968
150393(WURLITZER)	968
150394(WURLITZER)	967
150401	1636
150401(WURLITZER)	4006B
150402(WURLITZER)	4063B
150417(WURLITZER)	4002B
150418	834
150418(Organ)	4015B
150419	4555B
150419(Organ)	74LS32
150420(Organ)	74LS73
150421(Organ)	74LS85
150422(Organ)	74LS00
150423(Organ)	74LS10
150424(Organ)	74LS11
150425(Organ)	74LS08
150430	1558
150440	74LS138
150513	85
150514	85
150515	458
150516	85
150517	290A◆
150517(BCE)	290A
150518	290A
150519	289A
150521	290A
150521(BCE)	290A
150522	290A
150523	290A
150524	290A◆
150526	85
150527	5018A
150528	116
150529	519
150530	519
150531	5004A
150534	5011A
150535	5013A
150536	85
150580	941M
150580-2285	941M
150588(Organ)	2102
150622	912
150671	125
150705	5116A
150714-1	199
150730	128
150741	123A
150742	159
150749	1442
150753	159
150758	159
150762	159
150763	199
150764	294
150768	123A
150769	391
150771	159
150772	157#
150787	128
150796	128
150834	519
150865	106
151063(ECB)	288
151068(ECB)	159
151241	177
151263	159
151326	229
151329	189
151332	85
151333	1409
151334	5011A
151335	5021A
151364	107
151365	229
151544	9932
151548	9099
151552(Organ)	4072B
151553(Organ)	4075B
151554(Organ)	834
151590	4520B
151693	108
151974	159
152051	844
152052	139A
152112A	137A
152185	290A
152213	5014A
152214	289A
152284	519
152286	109
152329	5020A
152348	868
152364	834
152367	294
152368	290A
152370	56
152371(BCE)	85
152373	241
152375	5024A
152407	5024A
152472	5074A
152473(BCE)	85
152500	222
152627	5018A
152741	5010A
152742	5020A
152743	5016A
152750	5011A
152793	5025A
152841	112
152869	5037A
152895	1682
152920	9403
152921	928M
152923	4011B
152929	4528B
152935	4069
152938	552
152970	290A
152972	15
152972(BCE)	85
152978	5014A
152980	5029A
152982	5013A
153107	152
153126	1448
153233	159
153259	69
153260	107
153270	941
153312	184
153325	159
153334	289A
153350	153
153399	123AP
153443	290A
153456	834
153489	108
153493	519
153503	290A
153525	289A
153530	601
153534(BCE)	85
153535(BCE)	85
153545	581
153567	290A
153573	139A
153604	289A
153659	4514B
153672	552
153673	5031A
153676	188
153677	255
153678	89
153679	152
153680	171
153682	5402
153684	1175
153685	844
153712	1714S
153826	5021A
153875	868
153882	290A
154002	145A
154027	4016B
154132	1713
154515	868
154572	1712
154574	1713
154576	1689
154577	1710
154578	112
154579	22
154581	928M
154590	5015A
154648	40097B
154649	4066B
154652	1628
154653	16
154654	253
154655	5011A
154656	5024A
154730	1715
154754	1234
154756	5011A
154765	290A
154766	16
154766(BCE)	199
154767	4002B
154768	4012B
154770	4071B
154771	4015B
154772	4024B
154773	4040B
154774	4001B
154782	960
154783	55
154807	289A
154832	56
154988	19
154988(BCE)	85
155103	923
155272	1087
155273	977
155276	116
155280	5009A
155287	139A
155336	2203
155444	91
155508	1711
155510	5005A
155522	5015A
155523	5025A
155526	4071B
155556	1705
155558	5020A
155565	5010A
155566	605A
155568(BCE)	85
155632	40097B
155711	2079
155712	955M
155732	125
155810	5013A
155822	5022A
155829	112
155836	5011A
155837	5020A
155838	5004A
155841	55
155893	5013A
156026	455
156028	519
156213	5025A
156234	116
156242	5022A
156297	146A
156313	5141A
156317	552
156369	5020A
156477	712
156549	234
156584	85◆
156696	960
156709	966
156710	290A
156725	1628
156730	1658
156736	85
156896	289A
156897	234
156910	116
156912	1686
156915	1679
156917	234
156918	1706
156919	290A
156931	108
156934	290A
156937	5022A
156944	290A
156947	519
156969	605A
157004	129
157008	123A
157068	455
157142	610
157301	177
157306	287
157474	1545
157481	85
157506	912
157564	915
157575	309K
157644	923
157654	4013B
157681	912
157800	923D
157800-2760	923D
157959	2357◆
157975	2358◆
158066	9093
158458	399
158578	147A
158584	156
159429	5019T1
159430	5424
159434	146A
159435	4081B
159649	558
160003D0333	159
160082	385
160085	152
160091	5015A
160092	137A
160196	106
160201	909
160696	123AP
161001	110MP
161006	109
161015	110MP
161016	109
161021	177
161022	143A
161027	112
161029	116
161030	116
161031	116
161032	506
161033	506
161034	112
161037	116
161038	109
161077	123AP
161079	4052B
161081	5011A
161199	137A
161705	102A
161918-28	123A
161919-29	128
162002-033	121
162002-039	109
162002-040	126A
162002-041	126A
162002-042	126A
162002-062	121
162002-062A	121
162002-071	181
162002-081	128
162002-082	128
162002-085	199
162002-090	108
162002-095	121
162002-39	109
162002-40	126A
162002-41	126A
162002-71	130
162002-101	130
162201	358
163060	2359◆
163434	987
164014	160
164353	2359
164590	580
164717	519
164874	177
164981	9935
164982	9936
165190D0921	116
165358	142A
165392	107
165572	109
165667	126A
165668	123A
165735	128
165736	123A
165737	159
165738	175
165739	156
165740	144A
165827	123A
165828	123A
165931	85
165932	107
165976	102A
165995	108
166272	108
166273	109
166400	158
166593	125
166726	116
166881	116
166882	102A
166883	102A
166906	85
166907	1002
166908	126A
166909	126A
166917	123AP
166918	373
166919	374
166920	116
166921	139A
166922	116
166985	143A
166997	158
167034	116
167263	107
167285	131
167413	116
167540	199
167541	199
167542	295
167543	116
167544	116
167562	109
167569	128
167572	110MP
167679	102A
167680	102A
167688	128
167690	159
167691	175
167956	199
167957	289A
167958	175
167990D1197	1085
167998	102A
167999	102A
168339	116
168373	116
168405	199
168567	108
168606	5547
168651	85
168652	611
168653	137A
168657	108
168658	108
168659	108
168660	123A
168692	605A
168706	177
168716	199
168906	158
168907	102A
168910	109
168953	103A
168954	102A
168983	102A
168984	158
169113	605A
169114	600
169115	OBS-NLA
169116	116
169117	177
169175	158
169194	107
169195	85
169196	85
169197	123A
169199	136A
169216	124
169359	102A
169360	102A
169361	102A
169362	109
169363	116
169501	109
169505	108
169558	177
169565	116
169574	85
169590	116
169658	116
169678	199
169679	85
169680	85
169711	85
169765	116
169771	85
169773	102A
169792	199
170128	290A
170133	116
170294	85
170297	116
170303	109
170307-1	121
170308	85
170370	177
170373	109
170376	121
170376-1	121
170388	107
170407-1	121
170479-1	121
170535	175
170566-1	102
170666-1	121MP
170668-1	121MP
170733-1	178MP
170750	116
170753-1	161
170756-1	161
170783-1	103A + 158(CP)
170783-3	103A
170794	107
170850-1	121MP
170856	116(2)
170857	177
170890-1	131 + 155(CP)
170891-1	181
170906	161
170906-1	161
170954	1042
170956	722
170964	10309
170965	116(2)
170967	199
170967(Transistor)	199
170967(Rectifier)	116
170967-1	123A
170968-1	123A
170970-1	116
170994-1	185 + 184(CP)
171003	127
171003(Sears)	108
171003(Toshiba)	123A
171003-5	153 + 152(CP)
171004	127
171004(Sears)	121
171005	126A
171005(Toshiba)	103A
171009	107
171009(Sears)	108
171009(TOSHIBA)	123A
171010-1	103A + 102A(CP)
171015(Toshiba)	124
171016	160
171016(Sears)	102A
171017	102A
171018	102A
171019	116
171026(Sears)	102A
171026(Toshiba)	123A
171027	123A
171028	108
171029(Toshiba)	107
171029(Sears)	108
171030	161
171030(Toshiba)	123A
171030(Sears)	108
171031	161
171031(Sears)	108
171031(Toshiba)	107
171032	108
171032-1	103A + 102A(CP)
171033	108
171033-1	241
171033-1(MAGNAVOX)	242 + 241(CP)
171033-2	153 + 152(CP)
171033-4	153 + 152(CP)
171034	289A
171038	128
171039(Sears)	160
171039(Toshiba)	160
171040(Toshiba)	123A
171040(Sears)	123A
171044(Sears)	128

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
171044(Toshiba)	123A
171045	108
171046	123A
171047(Toshiba)	162
171048	108
171049	102A
171052	108
171053-1	180
171054	108
171058	102A
171090-1	108
171092-1	145A
171139-1	108
171140-1	108
171141-1	108
171149-016	177
171149-024	116
171162-004	199
171162-005	123A
171162-006	123A
171162-008	123A
171162-009	123A
171162-025	176
171162-026	192
171162-027	108
171162-042	109
171162-072	158
171162-073	158
171162-074	102A
171162-075	102A
171162-076	102A
171162-080	102A
171162-081	158
171162-082	121
171162-083	131
171162-086	121
171162-089	131
171162-090	131MP
171162-095	199
171162-100	199
171162-108	176
171162-113	199
171162-118	161
171162-119	123A
171162-120	102A
171162-121	102A
171162-124	154
171162-125	154
171162-126	154
171162-128	108
171162-129	108
171162-130	108
171162-131	108
171162-132	123A
171162-143	123A
171162-161	123A
171162-162	123A
171162-163	128
171162-164	210
171162-169	160
171162-172	138A
171162-180	199
171162-184	186A
171162-186	229
171162-187	229
171162-188	123A
171162-190	123A
171162-191	123A
171162-193	129
171162-195	211
171162-196	177
171162-197	177
171162-202	85
171162-203	199
171162-204	199
171162-229	109
171162-235	210
171162-247	199
171162-252	116
171162-265	152
171162-269	109
171162-270	110MP
171162-271	177
171162-272	139A
171162-278	229
171162-279	229
171162-280	229
171162-285	199
171162-286	123A
171162-287	300
171162-288	199
171162-291	152
171162-292	139A
171162-303	85
171174-1	130MP
171174-2	300MP
171174-3	196
171175-1	185 + 184(CP)
171179-027	1045
171179-028	1120
171179-036	1003
171179-045	1087
171179-051	1006
171179-070	1135
171179-110	801
171179-111	1082
171203	1029
171206-1	108
171206-2	108
171206-4	108
171206-5	108
171206-6	222
171207-1	108
171207-2	108
171217-1	131
171305	116(2)
171318	313
171319	313
171320	313
171368-1	284MP
171416	116
171418-1	186A
171437-0001	375 + 398(CP)
171445-0001	284
171445-0002	284
171474-1	192
171522	102A
171553	85
171554	85
171555	234
171556	159
171557	85
171558	85
171559	85
171560	140A
171561	605A
171657	116
171676	199
171677	85
171678	199
171814	611
171817	175
171840	177
171841	177
171842	136A
171843	177
171915	123A
171916	102A
171917	102A
171982	1072
171983	107
171984	614
172165	177
172201	177
172252	1003
172253	177
172272	1006
172317	289A
172318	1030§
172336	159
172463	152
172476	158
172547	177
172551	116
172579	166
172580	140A
172598	184
172643	152
172721	116
172722	614
172761	123AP
172762	193
172763	192
172816	158
174283	5093A
174285	5093A
174489	177
175006-181	160
175006-182	160
175006-183	160
175006-184	160
175006-185	160
175006-186	102A
175006-187	108
175007-275	123A
175007-276	123A
175007-277	128
175027-021	123A
175027-022	104
175043-023	121
175043-058	123A
175043-059	123A
175043-060	123A
175043-062	108
175043-063	108
175043-064	108
175043-065	131
175043-066	109
175043-068	109
175043-069	5072A
175043-081	131MP
175043-81	121
175043-100	108
175043-107	108
175424	5029A
176226	1576
176296	552
176666	145A
177105	102
177110	2360
177115	2357
178063	2358
178064	2357
179296	580
179365	2359
180010-001	912
181003-7	108
181003-8	108
181003-9	108
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282601	116(3)
290458LGD	123A
291509	181
293118	74165
297074C11	129
297240-1	102A
299371-1	123A
299379	724
300008	102
300061-04	716
300113	123A
300233	116
300312	5994
300315	116
300486	101
300524	116
300532	5882
300536	101
300538	102A
300540	102A
300541	102A
300542	101
300550	116
300732	140A
300733	5994
300735	5882
300774	101
301586	116
301591	123A
301606	128
301915-1	941
302442	123A
302540	137A
302865	129
304281-P1	177
304581B	123A
304900	108
307566	547
308449	123A
309004	OBS-NLA
309375	5200A
309376	5226A
309379	5224AK
309395	145A
309397	113A
309398	113A
309399	113A
309412	121
309418	128
309419	129
309421	102A
309441	152
309442	123A
309444	6402
309449	130
309459	152
309474	5079A
309479	143A
309481	519
309482	5200A
309484	5084A
309485	5055A
309486	5023A
309487	5029A
309488	5022A
309489	5043A
309504	5642
309511	540
309610	5036A
309611	146A
309612	5016A
309613	143A
309614	137A
309615	5071A
309616	137A
309617	5071A
309618	5009A
309683	234
309684	159
309685	234
309689	196
309690	197
310017	102A
310022	317
310028	341
310030	160
310035	102A
310110	128
310132	160
310157	126A
310158	126A
310159	102A
310160	102A
310162	160
310201	102A
310204	160
310221	126A
310223	100
310224	126A
310225	102A
310254	7408
313309-1	123A
315930	128
315932	128
316290	552
316429	981
316430	123AP
316431	287
316438	987
316513	123AP
316520	130
317092	350F
317093	320F
317208	142A
318213	5075A
318835	130
319304	129
320007	109
320280	159
320529	123A
321006P1	703
321145	128
321165	159
321166	128
321264-2	195A
321517	123A
321573	123A
322968-17	102A
322968-140	121
322968-141	127
322968-167	102A
323934	199
324144	159
325077	129
325079	123A
325099	124
325101	128
325502-01	2128
325502-03	2128
325505-01	5005A
325505-02	5006A
325506-01	5010T1
326309-10A	519
326809	909
326823	923
326830	9930
326832	9932
326833	9933
326836	9936
326844	9944
326845	9945
326846	9946
326852	9099
326853	9093
326862	9962
328785	123
328831	474
329814	9945
330003	116
330018	116
330019	116
330803	123A
331378	9932
331383	128
332762	219
333060-1029	159
333241	123A
334724-1	123A
335288-4	123A
335613	129
335774	123A
336637-20	9900
336638-21	OBS-NLA
337342	159
338307	519
339002	74H00
339003	74H10
339009	74H40
339300	7400
339300-2	7400
339486	7486
340085BDC	40085B
340085BPC	40085B
340085PC	40085B
340097PC	40097B
340098DC	40098B
340098PC	40098B
340160DC	40160B
340160PC	40160B
340161DC	40161B
340161PC	40161B
340162DC	40162B
340162PC	40162B
340163DC	40163B
340163PC	40163B
340174DC	40174B
340174PC	40174B
340175BPC	40175B
340175DC	40175B
340175PC	40175B
340192DC	40192B
340192PC	40192B
340193PC	40193B
340194DC	40194B
340194PC	40194B
340195PC	40195B
340866-2	128
341181(AOC)	123AP
341516BDC	4516B
341516BPC	4516B
341529	563
346015-15	108
346015-16	108
346015-17	108
346015-18	108
346015-19	108
346015-20	108
346015-21	108
346015-22	108
346015-23	128
346015-24	123A
346015-25	108
346015-30	128
346015-37	108
346016-1	102A
346016-11	102A
346016-14	123A
346016-16	128
346016-17	128
346016-18	123A
346016-19	123A
346016-25	123A
346016-26	123A
346016-27	128
346016-63	191
346607-4	160
348048-2	116
348053-3	116
348054-1	116
348054-2	116
348054-5	116
348054-6	117A
348054-7	125
348054-9	116
348054-10	116
348054-11	117A
348054-14	117A
348054-15	125
348055-2	116
348055-3	116
348057-8	125
348057-9	125
348057-17	136A
348058-2	125
348846-1	128
350109	311
351061	1072
352580	379
359810	788
361317-1	110MP
361837-1	649
370018-02-8	1171
373003	102A
373059	316
373117	102A
373119	102A
373401-1	7400
373404-1	7404
373405-1	7410
373406-1	7420
373407-1	7430
373408-1	7440
373409-1	7474
373410-1	7486
373411-1	7470
373412-1	7483
373413-1	74165
373414-1	7476
373423-1	7409
373424-1	7472
373427-1	7490
373428-1	7496
373429-1	7406
373708-1	74179
373712-1	7492
373713-1	7475
373714-1	7453
373714-2	7454
373715-1	7451
373716-1	7482
373718-1	7493A
373721-1	7407
374109-1	7408
374110-1	7460
379005N	519
379101K	123A
379102	123
380049	9158
386726-1	129
388060	123A
395253-1	130
400108	128
400127	175
400909	128
400931	9935
401003-001 0	159
401113-1	9946
401113-2	9930
401113-3	9932
401113-4	9945
401113-5	9962
401182	9951
401646	912
402060-04600	712
404120-2	359
405101-1	194
405192	106
405457	123A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
405919-35AD	5882
405919-45AD	5883
405965	128
405965-8A	128
405965-30A	179
405965-35A	129
410221(RCA)	308
417214	162
419441	5016A
420377	5804
421025	351
422353	261
424226	123AP
424229	159
424863	177
425272	5014A
425334	5018A
425335	5017A
425411-01	128
425793	135A
428175	612
428451	172A
428452	955M
430265	189
430313	197
430412	352
430413	197
431705	5010A
432956	152
433239	152
433836	123A
433875	137A
434245	352
436119-002	159
436277	116
436986	5812
437001	287
437470	519
437476	152
437491	955M
438626	367
440170	981
442077	5024A
442079	5022A
442085	5010A
443000	5010A
443009	332
443010	108
443011	287
443014	454
443070	294
443324	614
443325	125
443332	4066B
443333	396
443334	345
443335	348
444575	5067A
445023-P1	130
445108	5072A
445109	4001B
445110	4011B
445111	910
445270	5018A
445272	612
445273	185
445274	5014A
445276	552
445278	6006
445282	123AP
445284	69
445285	69
445286	396
445293	4016B
445294	923D
446083	77
446084	69
446087	365
446088	367
446089	363
447866	923D
448367	5916
449776	5015A
450826-1	128
451589	125
451591	5009A
451592	5007A
451593	485
451596	332
451599	123AP
451601	459
451927	5812
452077	312
452102	2102
452102-3	2102
452102-4	2102
452982	265
454549	108
454760	160
455947	4066B
462580-1	519
463984-1	7440
464010	116
464070	116
465002-30	799
471689	614
472114-3	2114
472114-4	2114
472114P-3	2114
472114P-4	2114
475018	5802
476690-2	177
480015	130
480051(Acou)	94
480680	348
481335	128
485752-090	112
489023A26	5020A
489043A06	290A
489751-025	123A
489751-026	123A
489751-027	108
489751-028	159
489751-029	123A
489751-030	123A
489751-031	159
489751-032	153
489751-033	152
489751-037	128
489751-038	128
489751-039	161
489751-040	123A
489751-041	123A
489751-042	159
489751-043	124
489751-044	152
489751-045	102A
489751-047	161
489751-052	107
489751-097	159
489751-107	123A
489751-108	102A
489751-109	102A
489751-113	102A
489751-114	102A
489751-115	127
489751-119	130
489751-121	161
489751-122	123A
489751-124	159
489751-125	123A
489751-127	161
489751-128	161
489751-129	128
489751-130	159
489751-131	108
489751-137	108
489751-143	108
489751-144	128
489751-145	108
489751-146	159
489751-147	108
489751-148	108
489751-162	108
489751-163	131
489751-165	108
489751-166	123A
489751-167	108
489751-168	108
489751-169	108
489751-171	108
489751-172	123A
489751-173	107
489751-174	175
489751-175	1046
489751-206	108
489751-208	312
489752-001	109
489752-003	109
489752-005	116
489752-013	116
489752-015	116
489752-016	506
489752-017	114
489752-020	112
489752-022	116
489752-025	116
489752-026	506
489752-027	116
489752-028	116
489752-029	156
489752-031	109
489752-035	116
489752-036	110MP
489752-038	166
489752-040	140A
489752-041	145A
489752-042	109
489752-043	116
489752-044	113A
489752-045	142A
489752-049	109
489752-050	116
489752-051	116
489752-052	112
489752-054	503
489752-066	116(3)
489752-072	120
489752-073	116
489752-074	113A
489752-075	116
489752-076	109
489752-077	501B
489752-078	119
489752-089	112
489752-090	112
489752-091	5074A
489752-092	116
489752-094	116
489752-095	161
489752-096	506
489752-097	116
489752-108	116
489752-109	140A
489752-125	110MP
489765-005	113A
489850-004	109
497442	519
497616	519
497616-1	519
497616-2	519
500001	110MP
500001G	109
500003	125
500009G	109
500052	123AP
500061	123AP
500062	85
500073	108
500859	116
500879	128
501002	109
501005	109
501006	109
501010	116
501019S	519
501021S	177
501023S	177
501024S	519
501101	177
501105	109
501144	77
501144-1	77
501152	116
501201	116
501202	116
501343	177
501503	5069A
501505	5015A
502025S	5024A
502044S	5024A
502045S	5010A
502047S	5012A
502048S	5013A
502049S	5022A
502050S	5024A
502052S	5016A
502057S	5031A
502058S	5021A
502059S	5030A
502063S	5022A
502067S	5036A
502069S	5029A
502070S	5080A
502254	2060
502349	130
503146-1	178MP
504153	8063
504162	8070
504170	8076
504183	8081
504199	8090
504207	8096
504214	8098
504220	8103
504235	8115
504246	8118
504264	8125
504291	8139
504313	8149
504339	8167
504345	8167
504367	8181
504419	8213
504442	8226
504468	8242
504720	177
504720-1	519
504833	5834
505016S	605A
505198	130
505254	9941
505256	175
505257	175
505287	128
505342	909
505434	175
505469	175
505568	181
506549	177
506565	153
506566	152
506567	153
506902	199
506911	5802
507100R	5285AK
507660	291
507661	391
507661-1	391
507661-2	391
507663	292
507664	182
507664-1	390
507664-2	390
507924	289A
508511	941
508523	909D
508590	7404
508626	5802(2)
508762	289A
508890	289A
509072	289A
509107-1	185
509107-2	185
509343	5635
509464-1	184
509465-1	185
509818	135A
510007	102A
510027	519
510038S	291
510045S	383
510046S	383
510101S	383
510102S	290A
510104S	234♦
510109S	290A
510110S	91
510190	4016B
510584	199
511017S	289A
511018S	85
511019S	382
511020S	382
511021S	382
511022S	382
511101S	290A
511103S	93
511104S	374
511108S	381
511109S	381
511110S	292
511534S	110MP
511806	128
512058S	5021A
512101S	289A
512107S	85
512112S	399
512113S	85
512114S	85
512115S	90
513036S	196
513056S	152
513101S	85
513103S	92
513104S	373
513106S	152
513108S	380
513109S	380
513111S	291
513112S	373
513115S	85♦
514023	123A
514045	107
514067S	129
514068S	193
514072S	129
514074S	290A
514086S	43
514088S	234
515015S	85
515039S	128
515041S	107
515043S	123A
515045S	123A
515058S	1526
515070S	107
515077S	85
515082S	85
516009S	312
516018S	451
516024S	451
516026S	312
517999	909
518022S	720
518038S	788
518039S	1237
518044S	1214
518045S	1464
518047S	1100
518048S	1060
518051S	1474
518052S	1486
518053S	1040
518054S	1482
518055S	1489
518056S	778A
518061S	950
518062S	977
518064S	7404
518065S	1510
518067S	1498
518070S	1488
518072S	4069
518073S	1441
524382	914
524966	176
528037	272
529657	177
529658	519
530015-2	109
530019-1002	519
530043-1	113A
530045-1	114
530045-2	114
530045-3	114
530045-4	114
530051-2	116
530057-1	116
530063-1	110MP
530063-4	109
530063-6	116
530063-7	116
530063-8	601
530063-10	109
530063-11	116
530063-12	116
530063-13	177
530063-14	110MP
530065-1	109
530065-2	109
530065-3	109
530065-1002	109
530065-1002A	109
530065-1003	110MP
530071-1	5802
530071-2	116
530071-3	116
530072-1	116
530072-2	116
530072-4	116
530072-5	116
530072-6	116
530072-7	109
530072-8	109
530072-9	116
530072-11	116
530072-14	116
530072-15	116
530072-18	177
530072-1001	110MP
530072-1002	177
530072-1006	519
530072-1008	177
530072-1009	177
530072-1010	177
530072-1011	177
530072-1014	156
530072-1015	177
530072-1017	116
530072-1018	519
530072-1019	116
530073-0030	5133A
530073-2	5080A
530073-3	140A
530073-4	137A
530073-5	137A
530073-6	142A
530073-8	125
530073-9	145A
530073-12	145A
530073-13	142A
530073-14	142A
530073-15	5075A
530073-16	5105A
530073-17	145A
530073-18	146A
530073-21	5079A
530073-22	5077A
530073-23	144A
530073-24	5081A
530073-26	5075A
530073-28	5079A
530073-30	5077A
530073-31	136A
530073-32	5127A
530073-44	136A
530073-1013	142A
530073-1016	5105A
530073-1017	145A
530073-1020	151A
530073-1021	5135A
530073-1023	144A
530073-1028	5079A
530073-1029	5137A
530073-1030	5133A
530073-1031	137A
530073-1034	5071A
530073-1044	136A
530073-1045	5120A
530082-1	116
530082-2	125
530082-3	177
530082-4	156
530082-1002	125
530082-1003	116
530082-1004	116
530084-4	116
530085-2	109
530086-1	116
530087-2	120
530088-1	125
530088-2	125
530088-3	156
530088-4	116
530088-1002	166
530088-1003	116
530088-1004	116
530089-2	358
530091-1	5854
530092-1	109
530092-2	109
530092-1001	178MP
530092-1002	177
530093-1	178MP
530093-2	114
530093-3	114
530094-1	116
530095-1	116
530096	118
530096-1	119
530096-2	120
530096-3	119
530097-2	120
530097-3	506
530098-1	116
530098-1001	116
530099-1	116
530099-3	116
530099-4	116
530099-5	113A
530104-2	610
530105-1	109
530105-1001	110MP
530106-1	507
530106-1001	507
530109-1	116
530111-1	116
530111-1001	116
530111-1002	125
530113-1	109
530113-2	125
530113-1001	506
530116-1	503
530116-3	177
530116-1001	177
530116-1003	116
530118-2	142A
530119-1	503
530119-5	503
530119-7	505
530119-8	504
530119-9	505
530120-1	166
530122-1	116(3)
530122-2	506
530123-3	506
530123-4	506
530123-5	506
530123-7	506
530124-1	116
530124-2	505
530124-3	116(4)
530126-1	116
530127-1	109
530127-4	116
530127-5	113A
530127-6	116
530128-1	358
530130-1	199
530132	118
530132-1	118
530135-1	125
530135-2	519
530135-3	116
530135-1003	116
530136-T	506
530144	506
530144-1	177
530144-1001	519
530144-1002	177
530144-1003	177
530144-1004	519
530145-100	140A
530145-120	142A
530145-130	5022A
530145-339	134A
530145-569	136A
530145-689	5071A
530145-1470	5088A
530145-1569	136A
530146-1	178MP
530146-2	178MP
530148-3	506
530148-4	506
530148-1003	506
530148-1004	506
530149-9	505
530150-1	177
530151-1	552
530151-2	552
530151-3	552
530151-4	552
530151-1001	552
530151-1002	552
530151-1003	552
530151-1004	552
530152-1	166
530153-1	522
530157-100	5019A
530157-101	5050A
530157-110	5020A
530157-111	5051A
530157-120	5021A
530157-121	5052A
530157-130	5022A
530157-131	5053A
530157-140	5023A
530157-141	5054A
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610213-0001	128
610213-1	128
610213-2	128
610216-1	165
610216-2	165
610216-3	165
610217-1	392
610217-2	130
610217-3	392
610217-4	130
610217-5	130
610221-2	459◆
610223-0001	159
610223-1	159
610224-0001	123AP
610224-1	123AP
610224-9001	123AP
610226-1(EBC)	199
610226-2	47
610226-3	47
610226-4	47
610226-5	199
610226-6	47
610227	50
610227-1	50
610227-2	50
610227-3	50
610228	49
610228-1	49
610228-2	49
610228-3	49
610228-4	49
610228-5	49
610232	123AP
610232-1	123AP
610232-2	123AP
610232-9001	123AP
610233-1	53
610233-1C	53
610233-1D	53
610233-2	53
610233N1C	53
610241-1	165
610242-1	165
610245-1	284

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
610245-2	284
610246(BEC)	395◆
610246-0001(BEC)	395◆
610246-1(BEC)	395◆
610246-2(BEC)	395◆
610249-1	229
610250-1	171
610250-2	171
610250-3	171
610277	7445
610277-1	7445
610278	74C42
610278-1	74C42
610279	74151
610279-1	74151
610280	7413
610280-1	7413
610286	7406
610286-1	7406
610288	955M
610288-1	955M
610293	162
610293-1	162
610293-2	162
610294	123AP◆
610294-1	123AP◆
610294-2	123AP◆
610294-3	123AP◆
610351-1	454
610356-0001	232
610356-5	199
610358-1	222
610358-2	222
610358-3	222
610360	288
610360-0001	288
610360-1	288
610360-2	288
610361-1	50
610361-2	50
610368-1	293
610369(CBE)	159
610369-2(CBE)	159
610369-3(CBE)	159
610369-4(CBE)	159
610370-2	123AP
610372-1	159
610384-2	159
610386-1	123AP
610390	395
610390-1	395
610392	238
610392-1	238
610392-2	238
610392-3	238
610392-4	238
610393	331
610395-1	54
610395-2	55
610395-3	54
610395-4	55
610397-1	153
610397-2	152
610399-1	454
610400-1	229
610404-1	262
610412-1	389
610413-1	184
610414-1	185
610418	455
610418-1	455
610419	69
610419-1	69
610419-2	69
610419-3	69
610420	69
610420-1	69
610420-2	69
610421	332MCP
610421-1	331
610421-2	332
610421-3	331
610421-4	332
610421-5	331
610421-6	332
610421-7	331
610421-8	332
610427	49
610427-1	49
610427-2	49
610427-3	49
610428-1	49
610428-2	49
610433	2300
610433-1	2300
610433-2	2318
610433-3	2300
610433-4	2300#
610433-5	2302
610434(CBE)	159
610434-1(CBE)	159
610434-2(CBE)	159
610434-3(CBE)	159
610435-1(CBE)	123AP
610435-2(CBE)	199
610435-3(CBE)	123AP
610435-4(CBE)	123AP
610437-1(ECB)	287
610438-1(ECB)	187A
610441-1	159
610442-1	319P
610442-3	319P
610443-1	48
610444-1	89
610447-1	319P
610449-1	159
610450-1	123AP
610450-2	199
610451-1	159
610451-2	159
610451-3	159
610453	455◆
610453-1	455◆
610455	153
610455-1	153
610456-2	123AP
610457-1	152
610457-2	196
610457-3	196
610458-3	123AP
610460-1	159
610462	196
610462-1	196
610462-2	196
610462-3	196
610462-5	196
610463-1	238
610463-2	238
610464-1	159
610465-1	123AP
610468-1	228A
610471-1	171
610473-1	238
610474-1	123AP
610475-1	159
610476-1	397
610477-1	386
610479-1	287
610480-1	194
610482-1	159
610486-1	123AP
610487-1	159
610488-1(ECB)	399
610489	193
610489-1	193
610498(CBE)	159
610498-1(CBE)	159
610498-2(CBE)	159
610499(CBE)	123AP
610499-1(CBE)	123AP
610499-2(CBE)	123AP
610499-3(CBE)	123AP
610499-4(CBE)	123AP
610500-1(CBE)	123AP
610500-2(CBE)	123AP
610500-3(CBE)	123AP
610500-4(CBE)	199
610504-1	455
610505-1(CBE)	159
610505-2(CBE)	159
610509-1	165
610511-1	47
610512	331
610512-1	331
610517	2310#
610517-1	2310#
610517-2	2310#
610518	46
610518-1	46
610525-1	263
610526-1	294
610527-1	383
610527-2	383
610527-3	383
610528-1	374
610528-2	374
610528-3	374
610529-1(CEB)	229
610529-2(CEB)	229
610530-1(ECB)	288
610531-1	198
610532	2315
610532-1	2315
610532-2	2315
610532-3	2315
610533-1	51
610534-1	457
610535	382
610535-1	382
610535-2	382
610535-3	382
610538-1	47
610538-2	47
610539-1	54
610540-1	2310
610541	2300#
610541-1	2300#
610542	268
610542-1	268
610542-2	268
610544	229
610545	128P
610545-1	128P
610546	129P
610546-1	129P
610547	288
610547-1	288
610548	379
610548-1	379
610551	51
610551-1	51
610552	31
610552-1	31
610553	32
610553-1	32
610554	399
610554-1	399
610555	2302
610555-2	2302
610557	253
610557-1	253
610558-1	216
610561	2315
610561-1	2315
610666-1	2302
611001-3	5650
611001-4	5651
611001-5	5642
611001-6	5642
611003-3	5404
611003-4	5404
611003-5	5404
611004-3	5437
611004-4	5437
611013-1	5351
611013-2	5351
611013-3	5351
611014-1	5400
611014-2	5401
611014-3	5400
611014-4	5400
611014-5	5400
611014-6	5404
611014-7	5404
611014-8	5400
611015	5404
611015-1	5404
611016-1	5351
611016-2	5424
611018-1	5466◆
611018-2	5468◆
611019	56010
611019-1	56008
611019-2	56008
611019-3	56010
611020	102A
611064	7405
611065	7475
611066	7486
611071	7442
611111	116
611132	113A
611233	234
611428	123A
611563	7400
611564	7402
611565	7404
611566	7410
611567	7420
611568	7440
611569	7450
611570	7453
611571	7474
611572	7490
611573	7492
611730	74193
611731	74192
611844	7486
611845	7405
611870	7476
611872	74107
611878	74H55
611900	74107
611901	74180
612002-2	717
612005-1	712
612005-2	712
612006-1	722
612006-1M	722
612006-1Z	722
612006-2	722
612007-1	708
612007-2	708
612007-3	708
612008-1	725
612008-2	725
612020	179
612020-1	703
612020-2	703
612020-3	703
612021-1	718
612021-2	718
612024-1	731
612025-1	730
612025-2	730
612025-3	730
612029-1	790
612029-2	790
612029-3	790
612030-1	715
612031-1	714
612042-1	1112
612042-2	1111§
612044-1	738
612045-1	804
612048-1	941M
612048-2	941M
612048-3	976
612048-4	976
612054-1	917
612054-2	917
612061-1	783
612061-2	783
612067-1	715
612069-1	715
612070-1	714
612072-1	739
612075-1	801
612075-3	801
612076	742
612076-1	742
612076-2	742
612076-3	742
612076-4	742
612076-5	742
612076-6	742
612076-7	742
612077-1	788
612077-2	788
612077-3	788
612077-4	788
612082-1	815
612082-2	815
612094-1	826
612100-1	7447
612103-0003	960
612103-1	966
612103-2	968
612103-3	960
612103-4	972
612103-5	966
612107-1	972
612107-2	972
612107-3	960
612107-4	960
612111-1	4001B
612112	116
612113-1	778A
612120-1	835§
612127-1	941M
612128-1	871
612130	116
612132	116
612158-1	4052B
612159-1	7406
612163-1	987
612168-1	977
612183-1	7426
612184	2800
612184-1	2800
612185-1	7405
612186-1	4016B
612188-1	7445
612189	857M
612189-1	857M
612189-2	857M
612192-1	6810
612194-1	74LS32
612197	74LS365A
612197-1	74LS365A
612197-2	74LS365A
612199-1	74LS00
612200-1	74LS74A
612220	1218
612221	1219
612230-1	74LS156
612245	74LS123
612245-1	74LS123
612245-2	74LS123
612261-1	74C175
612272-1	1174
612273-1	984
612275-1	829
612282	1566
612282-1	1566
612283	1292
612283-1	1292
612285	928M
612285-1	928M
612285-2	928M
612285-3	928M
612289	4070B
612289-1	4070B
612291-1	74LS93
612294	851
612294-1	851
612299	1439
612299-1	1439
612303-1	1416
612304	1445
612304-1	1445
612305	1231A
612305-1	1231A
612305-2	1231A
612308	74LS73
612308-1	74LS73
612318-1	2203
612327-1	1566
612328-1	1632
612329-1	1567
612331-1	820
612331-2	820
612332-1	1374
612332-2	1374
612332-3	1374
612332-4	1374
612332-5	1376
612332-6	1374
612333	859
612333-1	859
612334-1	797
612335-1	4094B
612336-1	865
612337-5	866
612338-2	822
612338-3	822
612339	1413
612339-1	1413
612342-1	2200
612347-1	821
612347-2	821
612349-2	2201
612350-1	4011B
612351-1	712
612353-1	1380
612353-2	1380
612353-3	1380
612354-1	740A
612359-1	857M
612360-1	960
612361	973D
612361-1	973D
612362-1	1231A
612362-2	1231A
612363	852
612363-1	852
612363-2	852
612363-3	852
612363-4	852
612363-5	852
612367	965
612367-1	965
612370	1580
612370-1	1580
612370-2	1580
612371	823
612371-1	823
612372	74LS27
612372-1	74LS27
612379-1	4031B
612380	4066B
612380-1	4066B
612380-2	4066B
612382-1	75189
612383-1	75188
612384-1	74LS174
612385-1	74LS42
612386-1	40161B
612396-1	4081B
612397-1	40161B
612399-1	977
612415-1	1652
612416-3	2202
612418-1	2206
612419-1	2204
612420-1	2205
612427	74C374
612427-1	74C374
612429	74LS10
612429-1	74LS10
612430	74LS151
612430-1	74LS151
612433	2114
612433-1	2114
612437	2128
612437-1	2128
612438	1416
612438-1	1416
612443-1	2201
612444	1754◆
612444-1	1754◆
612445-1	1632
612448	960
612448-1	960
612449	1752
612449-1	1752
612455	74LS14
612455-1	74LS14
612460-1	2023
612464	923D
612464-1	923D
612466	943M
612466-1	943M
612474	4052B
612474-1	4052B
612475	4001B
612475-1	4001B
612479-1	960
612479-3	964
612479-4	966
612479-5	968
612479-6	958
612479-7	972
612480	859
612480-1	859
612489	1744
612489-1	1744
612492	2013
612492-1	2013
612493-1	4053B
612494-1	778A◆
612496-1	1655
612504	1219◆
612504-1	1219◆
612514	2164
612514-1	2164
612525-0001	1917
612525-0002	1903
612525-0003	1905
612525-1	1917
612525-2	1903
612525-3	1905
612527	4051B
612527-1	4051B
612530	7407
612530-1	7407
612533	74LS09
612533-1	74LS09
612534	74LS156
612534-1	74LS156
612535-1	859
612546	2085
612546-1	2085
612546-2	2087
612548	74LS244
612548-1	74LS244
612566	4002B
612566-1	4002B
612569	849
612569-1	849
612570	701
612570-1	701
612671-1	960
612671-2	964
612671-3	966
612671-4	968
613020	116
613112	108
613130	116
613132	119
614010	116
614020	110MP
614112	112
615004-8	177
615010	109
615093-2	123A
615130	358
615154-1	519
615179-1	123A
615179-2	123A
615180-1	159
615180-2	159
615180-3	159
615180-4	159
615246-1	941M
615268-101	941M
616010	113A
617871-1	121
618072	123A
618126-1	123A
618136-1	128
618139-1	121
618150-3	177
618165-1	199
618181-1	199
618197	128
618217-2	123A
618241-2	910
618483-1	941
618580	312
618639-1	519
618810-2	123A
618955-2	130
618960-1	198
618984-1	941
618986-2	218
618986-4	218
619006	123A
619006-1	128
619006-7	123A
619009-1	175
619010-1	198
619011	519
619050-1	910D
619070-21	3120
619087-1	519
619094	5626
619130	116
619224-50	1630
619256	5697
619256-1	5695
619361-1	175
619526-1	519
619550-1	829
619692-1	723
619693-1	787
619694-1	724
619828-1	747
619844-1	746
620782	176
621431	74LS157
621431-1	74LS157
621432	74LS374
621432-1	74LS374
623321	987
630002-001	123AP
630003-110	261
630006-001	326
630007-001	159
630008-907	159
630063	5802
633977	113A
649002	130
650060	159
650130	519
650175	129
650196	102
650845	177
650854	177
650859-1	102
650859-2	102
650859-3	102
650860	101
650970	121
651012	102
651030	116
651038	116
651202	121
651236	102
651891	289A
651891-5	289A
651955	123A
651955-1	289A
651955-2	289A
651955-3	289A
651956	128
651995-1	123A
651995-2	123A
651995-3	123A
652072	289A
652085	121
652086	121
652091	289A
652092	116
652230	289A
652231	128
652321	154
652615	116
653406	128
654000	289A
654001	6401
654003	121
654007	100
654008	289A
654009	289A
654010	121
654011	289A
654012	289A
654013	159
654014	121
654030	177
654031	114
654032	114
654033	177
654034	177
654036	116
654037	5966
654038	177
654039	5802
654041	100
654042	5015A
654420	5802
655319	121
656064	6410
656204	123A
656520	326
656524	289A
656719	289A
656746	289A
657161	OBS-NLA
657179	185
657180	184
657180-1	184
657180-2	291
657181	185
657181-1	185
657874	761§
658577	123AP
658578	123AP
658583	909D
658620	159
658657	289A
659133	123AP
659137	159
659140	184
659141	183
659143	185
659174	130
659567	7405
660030	102A
660031	121MP
660059	102A
660060	102A
660064	160
660070	128
660072	102A
660074	128
660077	121
660082	102A
660084	160
660085	160
660092	331
660094	121
660095	121
660097	121
660100	128
660103	121
660138	218
660142	289A
660144	105
660144A	105
660203	159
660327	941M
660327-1	941D
660327-2	941M
660327-3	941D
660328	289A
660388-02	941M
660388-1	941D
660388-2	941M
660827-2	941D
660827-3	9804
661010	113A
661972	2041§
661973	824
662108	988
662112	992
662194-2	196
662271-2	197
662597	960
662861	4013B
662862	4012B
662863	4023B
662864	74C42
662865	4051B
662866	4050B
662868	977
662871	74C151
667784	289A
670850	121MP
670850-1	121MP
681266	129
681266-1	129
696575-198	128
698941-1	159
699291	199
699410-140	128
699414-164	124
699739	116(2)
700021-00	118
700043-00	116
700047-47	123A
700047-49	123A
700055-00	113A
700063-00	116

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
700080	130
700080A	130
700083	130
700083A	130
700181	123A
700191	175
700195	175
700230-00	123A
700231-00	123A
700533-001	564
700533-001Y3	564
700647	116
700663	116
700664	116
700848-2B	1171
701584-00	159
701589-00	159
701662-00	177
701678-00	161
701819-9AC	5702
702407-00	128
702415-00	210
702884	123A
702885	121
702885-00	121
702886	152
703639-1	742
703639-2	742
705784-1	175
710206	910
710206-43	923
710398-28	909
710838-1	177
717101	152
717126-505	74H04
717136-1	74S00
717136-15	74S20
717399-3	923
717399-4	941
717399-22	9109
717399-49	941
717399-73	9112§
720236	123A
720240	123A
720453	5800
720454	5801
720455	5802
720456	5804
720457	5806
720458	5804
720463	5806
720608-13	519
720609-1	519
721272	159
723000-18	101
723001-19	101
723020-41	128
723043-1	129
723060-29	175
723423-7	175
723423-9	175
723423-16	175
723423-20	175
725000-611	815
726654	519
730547	704
731009	102A
740183	116
740247	131MP
740289	116
740306	85
740402	109
740417	102A
740437	123A
740438	289A
740439	289A
740440	289A
740441	289A
740442	289A
740443	131MP
740461	85
740462	85
740463	85
740466	123A
740470	123A
740471	131MP
740502	1107
740543	1107
740570	116
740583	1103
740622	720
740622(RCA)	720
740628	5071A
740629	178MP
740630	116
740728	161
740781	1037
740782	1087
740828	177
740855	6400B
740856	152
740857	289A
740885	176
740886	85
740887	199
740940	1005
740946	126A
740947	126A
740948	126A
740949	85
740950	85
740951	107
740952	109
740953	5071A
740954	109
740955	614
741008	290A
741050	102A
741051	519
741052	612
741098	1006
741100	177
741101	116
741114	85
741115	186A
741116	136A
741168	4011B
741169	125
741170	605A
741171	177
741172	85
741173	107
741174	290A
741175	290A
741176	312
741205	161
741207	612
741208	601
741209	107
741210	312
741211	159
741327	229
741328	229
741329	312
741330	293
741332	116
741333	116
741334	135A
741336	140A
741338	601
741340	1100
741341	1160
741342	703
741343	7490
741347	451
741348	7493A
741420	159
741425	290A
741426	289A
741427	289A
741429	135A
741473	1170
741518	1082
741519	801
741533	7442
741538	85
741539	85
741545	5809
741673	1160
741686	1167
741687	1155
741688	306
741689	614
741724	85
741726	85
741727	123A
741728	289A
741729	290A
741730	85
741731	229
741732	235
741733	107
741735	85
741736	85
741737	85
741738	135A
741739	5018A
741739(TRAN.)	85
741740	116
741741	177
741805	85
741806	199
741852	1082
741853	1056
741854	1058
741855	85
741856	289A
741857	199
741858	85
741859	235
741860	222
741860(2 Gate)	222
741860(1 Gate)	312
741861	289A
741862	107
741863	290A
741864	519
741864(Transistor)	171
741864(Diode)	177
741865	116
741866	109
741867	140A
741868	614
741869	5072A
741870	5072A
741931	229
742004	109
742008	116
742008(TRANSISTOR)	290A
742009	116
742257	108
742258	199
742259	199
742260	199
742261	85
742262	289A
742263	152
742264	153
742267	5019A
742268	116
742269	1234
742270	801
742274	107
742275	107
742348	85
742349	85
742362	1226
742363	1087
742364	1155
742365	613
742366	5073A
742510	1192
742512	85
742513	199
742537	85
742544	107
742545	295
742546	290A
742547	107
742548	85
742549	85
742550	199
742558	85
742564	290A
742567	293
742621	289A
742623	186A
742624	384
742703	85
742705	85
742712	159
742723	1248
742725	7474
742726	977
742727	992
742728	85
742729	293
742730	109
742732	614
742880	229
742881	289A
742882	1170
742920	165
742922	5072A
742946	229
742970	236
742990	290A
742991	199
743154	1003
743238	107
743239	459
743244	519
743245	612
743352	85
743353	1234
743355	5018A
743417	1226
743418	1155
743502	85
743510	289A
743511	519
743655	85
743949	5020A
744002	113A
744006	113A
744070	6402
744205	85
744211	1234
744214	1493
744215	177
744223	1170
744224	1398
744275	85
744293	5016A
744314	4066B
744916	1525
744917	107
744920	85
744929	1170
744930	1534
744957	152
746004	116
749002	107
749014	107
750746A	358
752309	116
755722	109
757008-02	123A
760005	222
760011	7400
760012	172A
760013	7490
760015	7476
760021	219
760028	OBS-NLA
760037	519
760038	123A
760040	159
760051	312
760053	229
760057	109
760066	123A
760068	199
760088	136A
760101-0005	109
760101-0006	109
760105	829
760106	4511B
760142	123A
760202-0003	116
760204-0001	610
760236	123A
760239	123A
760249	107
760251	123A
760253	107
760268	312
760269	159
760275	186
760276	187
760284	311
760298	135A
760304	142A
760309	5116A
760333	4066B
760522-0002	722
761113	116
762200-14	9093
765713	125
765722	109
770339(Crystal)	358
770339(I.C.)	760
770523	102A
770524	102A
770525	158
770730	102A
770768-3170756	124
771907	116
771908	166
771909	109
771910	109
771911	109
772712	109
772713	116
772714	166
772716	160
772717	160
772718	102A
772719	160
772720	102A
772721	102A
772722	102A
772723	102A
772724	102A
772725	102A
772727	102A
772728	102A
772729	102A
772732	158
772733	158
772736	102A
772737	102A
772738	107
772739	107
772740	110MP
772768	126A
779821	197
785278-01	109
785278-101	123A
785897-01	160
790017	123AP
793356-1	130
794192	74S133
800019-001	128
800020-001	7420
800021-001	7430
800022-001	7440
800023-001	7410
800024-001	7400
800025-001	7453
800026-001	7450
800033-1	5529
800073-000	923D
800073-6	128
800073-7	128
800080-001	7402
800132-001	123A
800157-000	967
800158-000	972
800206-000	834
800215-001	130
800382-001	7475
800383-001	7483
800385-001	7442
800386-001	74193
800387-001	7404
800400-001	7474
800457-000	967
800458-000	972
800491-001	74121
800651-001	7406
800743-001	519
800747	102A
800806-001	7407
800946-001	128
801500	102
801501	102
801502	102
801503	102
801504	102
801505	104
801507	100
801508	102
801509	102
801510	102
801511	102
801512	289A
801513	289A
801514	289A
801515	289A
801516	289A
801517	289A
801518	121
801519	104
801520	102A
801521	289A
801522	121
801523	179
801524	289A
801525	6401
801527	192A
801528	199
801529	289A
801530	289A
801531	6401
801532	289A
801533	172A
801534	289A
801535	6402
801536	289A
801537	130
801538	179
801539	121
801540	159
801541	171
801541(GULBRANSEN)	290A
801542	56006
801543	289A
801544	184
801545	5414
801546	289A
801547	459
801549	123AP
801550	123AP
801551	6402
801553	193A
801554	199
801558	159
801705	109
801706	109
801707	116
801707(GULBRANSEN)	5963
801708	116
801710	5962
801711	116
801712	177
801713	5963
801714	116
801715	125
801716	116
801717	116
801718	116
801722	109
801723	125
801724	519
801725	289A
801726	139A
801728	177
801729	289A
801730	5802
801731	142A
801733	519
801734	3007
801735	3009
801736	3010
801737	5011A
801800	9924§
801803	9915
801804	OBS-NLA
801805	7401
801806	7404
801807	7442
801808	7490
801809	OBS-NLA
801810	309K
801811	922
801812	7400
801813	74121
801814	74193
801818	OBS-NLA
801819	OBS-NLA
801823	992
801826	7474
801827	7486
801828	7493A
801829	7473
801830	968
801831	931
801832	7445
801833	960
801837	955M
801839	7408
801840	7402
801841	7483
801843	74154
801845	7475
801853	994M
801855	74174
801856	74175
801857	7432
801861	7414
801862	74153
801863	931
801866	902
801867	902
801868	902
801869	902
801870	902
801871	902
801872	902
801873	778A
801874	4016B
801875	4015B
801876	975
801879	2708
801880	4002B
801881	4013B
801882	4040B
801883	4049
801884	4051B
801885	4052B
801887	74LS05
801888	7407
801889	7411
801891	74LS125A
801892	74LS175
801894	74LS259
801897	74LS279
802008	519
802032-2	102A
802032-4	102A
802033-3	102A
802037-001	153
802054-0	102A
802056-0	102A
802189-7	102A
802189-8	102A
802263-0	102A
802263-1	102A
802389-2	102A
802415-2	102A
802425-0	127
802439-0	102A
802560	102
803182-5	123A
803369-6	123A
803372-0	123A
803373-0	123A
803696	199
803733-0	123A
803733-3	123A
803735-3	123A
804000	2042§
804001	4024B
804002	74150
804005	74LS00
804006	74LS03
804007	7492
804009	7417
804010	74LS32
804011	74LS138
804013	74LS170
804016	2114
804017	4050B
804021	74LS139
804023	74LS244
804024	74LS240
804028	7403
804030	4066B
804036	956
804058	4021B
810000-000	123A
810000-373	123A
810001-000	130
810002-269	9930
810002-475	5529
810002-733	129
810002-736	128
810003-000	189
810007-000	5010A
810011	373
810012-000	286
810016-000	3042
810017-000	5442
810020-000	129
810021-000	5541
810024	116
810024-000	5986
810029-000	5116A
810032-000	309K
810034-000	912
810037-000	184
810038-000	123A
810039-000	960
810043-000	242
810049	5012A
810051-000	145A
810052-000	5003A
810055-000	5015A
810056-000	127
810059	159
810061	130
810061-000	130
810063-000	181
810064-000	130
810065-000	283
810066-000	123A
810070-000	289A
810071-000	123AP
810077-000	5096A
810080-000	5084A
810085-000	5011A
810086-000	5011A
810099-000	5034A
810113-000	128
810115-000	3040
810117	288
810117-000	288
810118-000	396
810120-000	229
810121-000	5036A
810122-000	5016A
810125-000	287
810127-000	5071A
810129-000	5007A
810132-000	232
810135-000	128
810141-000	5005A
811790	9930
811791	9946
811793	9962
811794	9932
813362	727
814044A	102A
815003	102A
815015	102A
815020	100
815020A	100
815020B	100
815021	100
815021A	100
815021B	100
815022	102A
815022A	102A
815022B	102A
815023	102A
815023A	102A
815023B	102A
815024	102A
815024A	102A
815024B	102A
815025	100
815025A	100
815025B	100
815026	101
815026A	101
815026B	101
815026C	101
815026D	101
815027	100
815027A	100
815027B	100
815027C	100
815028	100
815028A	100
815028B	100
815028C	100
815029	102A
815029A	102A
815029B	102A
815029C	102A
815030	102A
815030A	102A
815030B	102A
815031	102A
815031A	102A
815031B	102A
815033	102
815034A	102A
815034B	102A
815034C	102A
815036	100
815036A	100
815036B	100
815036C	100
815037	100
815037A	100
815037B	100
815037C	100
815038	102A
815038A	102A
815038B	102A
815038C	102A
815041	100
815041A	100
815041B	100
815041C	100
815043	100
815043A	100
815043B	100
815043C	100
815055	100
815056	100
815057	100
815058	102A
815058A	102A
815058B	102A
815058C	102A
815058X	102A
815064	126A
815064A	126A
815064B	126A
815064C	126A
815065	100
815065A	100
815065B	100
815065C	100
815066	100
815066A	100
815066B	100
815066C	100
815067	160
815067A	160
815067B	160
815067C	160
815068	126A
815068A	126A
815068B	126A
815068C	126A
815069	102A
815069A	102A
815069B	102A
815069C	102A
815070	102A
815070A	102A
815070B	102A
815070C	102A
815070D	102A
815074	102A
815075	103A
815076	103A
815082	102A
815083	102A
815101	100
815103	100
815104	102A
815105	100
815107	100
815108	100
815109	100
815114	102A
815115	100
815116	100
815117	100
815118	102A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
815120	102A
815120A	102A
815120B	102A
815120C	102A
815120D	102A
815120E	102A
815122	102A
815133	123A
815134	123A
815136	102A
815137	121MP
815138	116
815139	102A
815142	116
815158	102A
815160	102A
815160A	102A
815160B	102A
815160C	102A
815160D	102A
815160E	102A
815160F	102A
815160H	102A
815160-I	102A
815160-J	102A
815160-K	102A
815160-L	102A
815160-O	102A
815160-P	102A
815160-Q	102A
815164	108
815165	108
815166	124
815166-4	124
815167-3	124
815170	108
815171	123A
815171D	123A
815172	108
815172A	108
815173	199
815173A	108
815173C	108
815173F	108
815174	123A
815174L	123A
815175	124
815175H	124
815177	102A
815178	102A
815179	102A
815180-3	124
815180-4	124
815180-7	124
815181	102A
815181A	102A
815181B	102A
815181C	102A
815181D	102A
815182	123A
815183	123A
815184	123A
815184E	123A
815185	129
815185E	129
815186	123A
815186C	123A
815186L	123A
815189	102A
815190	123A
815191	123A
815193	160
815195	102A
815196	102A
815197	160
815198	123A
815199	159
815199-6	159
815201	123A
815202	123A
815203-3	121MP
815203-5	121MP
815206	161
815209	108
815210	123A
815211	159
815212	123A
815213	159
815215	711
815218-3	102A
815218-4	103A
815227	123A
815228	189 + 188(CP)
815228(EMERSON)	189 + 188(CP)
815228A	102A
815228A01	102
815228A1	102A
815228B	102A
815228B1	102A
815229	159
815232	103A + 158(CP)
815233	123A
815234	160
815236	159
815237	123A
815246-1	130
815246-2	121
815247	159
815258	708
815259	711
815260	724
815308A	100
816135	124
817020	507
817032	109
817036	358
817042	116
817043	116
817044	116
817053	116
817062	358
817062(Crystal)	114
817064	116
817066	116
817067	116
817068	116
817068P	116
817074	113A
817077	109
817079	116
817088	116
817104	116
817109	116
817111	116
817112	116
817114	116
817117	116
817120	507
817121	116
817122	116
817123	118
817124	119
817125	109
817126	113A
817127	113A
817128	116
817129	358
817130	116
817133	116
817134	116
817135	116
817138	116
817140	116
817141	116
817143	116
817147	358
817148	116
817149	120
817155	142A
817156	116
817157	116
817158	109
817159	109
817160	110MP
817161	116
817164	116
817166	116
817167	116
817172	177
817173	135A
817175	358
817177	110MP
817179	156
817179A	156
817180	116
817190	177
817193	125
817194	109
817195	116
817197	139A
817199	109
817208	142A
817209	156
817962	114
824960-0	108
825065	102A
829704-6	74H21
829704-7	74H21
838105	159
844090	536A
844157-002	523/3306
844212A	523/3306
845050	123A
848082	123A
850410	283
851759-3	160
851881	123
852158-7.1	116
853864-0	160
854539	123AP
860001-8	128
860001-153	519
860003-45	911
860003-46	910
860003-99	9944
860003-101	9930
860003-111	9931
860003-121	9932
860003-141	9945
860003-151	9945
860003-161	9936
860011	177
862200-16	9093
862209-16	9962
870006	192
871125	109
880092	131
881916	7474
882028	130
883802	123A
889132	OBS-NLA
889302	744
889303	OBS-NLA
889779F	736
891008	159
891032	130
900003-1	77
900004-1	76
900201-81	128
900201-104	128
900201-105	128
900201-167	128
900545-2	519
900546-2	519
900546-20	177
900552-6	123A
900552-8	123A
900552-17	159
900552-20	123A
900552-30	123A
900750-01	116
900750-20	116
900756-01	166
900850-01	519
900850-05	177
900850-16	519
900927-01	5014A
900927-02	5014A
900941-01	5015A
900948-06	5005A
900948-11	5010A
901112	98
901150	98
901435-01	6502
901453-01	2114
901502-01	4066B
901505-01	2164
901510-01	9602
901521-01	74LS00
901521-02	74LS04
901521-03	74LS08
901521-06	74LS74A
901521-17	74LS42
901521-18	74LS139
901521-20	74LS125A
901521-21	74LS02
901521-22	74LS27
901521-26	74LS193
901521-29	74LS273
901521-30	74LS14
901521-32	74LS86
901521-34	74LS175
901521-54	74LS197
901521-57	74LS257
901521-58	74LS258
901521-68	74LS629
901522-01	7417
901522-03	74177
901522-06	7406
901522-30	7407
901523-01	955M
901523-03	978
901523-04	922
901523-08	927D
901527-01	966
901527-02	960
901528-03	309K
901528-04	1914
902521	160
902652-01	123AP
902653-01	291
902658-01	123AP
902671	85
902679	85
902682	289A
902686-01	123AP
902693-01	85
902694-01	152
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1417339-007	159
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1417339-3	159
1417339-6	159
1417340-2	123AP
1417342-1	123AP
1417343-1	123AP
1417343-2	123AP
1417343-3	123AP
1417344-001	194
1417344-003	194
1417344-005	123AP
1417344-1	194
1417344-2	194
1417344-3	194
1417344-5	123AP
1417345-2	128
1417346-001	47
1417346-003	123AP
1417346-004	123AP
1417346-1	47
1417346-3	123AP
1417346-4	123AP
1417347-002	159
1417347-004	159
1417347-1	159
1417347-3	159
1417347-4	159
1417349-002	123AP
1417349-003	123AP
1417349-2	123AP
1417352-005	188
1417352-006	210
1417352-007	188
1417352-5	188
1417352-6	210
1417353-5	189
1417353-7	189
1417356-2	162
1417357-1	191
1417358-1	152
1417359-1	153
1417360-001	229
1417360-003	229
1417360-1	108
1417360-3	229
1417361-1	191
1417362-003	171
1417362-006	171
1417362-007	171
1417362-1	171
1417362-2	171
1417362-4	171
1417362-5	171
1417362-6	171
1417363-1	159
1417364-001	196
1417364-1	196
1417366-001	165
1417366-1	165
1417367-1	395
1417368-1	222
1417368-4	222
1417369-1	222
1417369-2	222
1417370-1	165
1417372-1	222
1417373-1	159
1417373-2	159
1417374-2	123AP
1417374-3	123AP
1417374-4	123AP
1417375-6	172A
1417376-1	222
1417376-2	221
1417377-003	229
1417377-3	108
1417377-6	108
1417377-7	108
1417380-002	389
1417380-1	389
1417380-2	389
1417380-3	238
1417381-2	123AP
1417382-1	5400
1417392-001	108
1417392-002	108
1417392-1	108
1417398-002	49
1417398-1	49
1417398-2	49
1417398-5	152
1417399-005	152
1417399-006	375
1417399-007	152
1417399-008	152
1417399-4	152
1417399-5	152
1417399-6	375
1417399-8	152
1417400-001	123AP
1417400-1	123AP
1417401-001	159
1417401-1	159
1417402-1	159
1417403-001	238
1417403-1	238
1417405-002	299
1417405-2	229
1417406-003	159
1417406-3	159
1417407-003	123AP
1417407-3	123AP
1417408-1	222
1417409-1	222
1417413-001	187
1417414-001	373
1417420-001	159
1417420-1	159
1417421-001	184
1417423-001	89
1417426-001	385
1417872-11	519
1417898-010	5021A
1420427-1	102A
1420427-2	102A
1420427-3	102A
1421207-1	178MP
1421713-2	843
1421716-002	850
1421716-2	850
1421719-001	2024
1421719-1	2024
1421733-001	4011B
1421734-001	4013B
1421754-001	987
1421754-003	987
1421754-3	987
1421756-001	1545
1421756-1	1545
1421763-2	923D
1421764-001	912
1421781-001	1739
1421803-001	4081B
1421826-001	4052B
1421826-1	4052B
1421837-001	1576
1421837-1	1576
1423316-1	229
1423391-1	108
1426478(WURLITZER)	778A
1431371	221
1438917-1	1175
1440977	804
1440977-1	177
1440990	120
1442415-2	112
1442415-3	112
1442415-4	112
1443024-1	123A
1443200-3	102A
1443223-1	614
1444875-1	142A
1445470-2	503
1445470-50	502
1445470-501	504
1445470-502	503
1445470-503	503
1445470-504	504
1445740-502	502
1445829-501	189
1445829-502	189
1445829-503	188
1445829-504	188
1446149-1	515
1446149-2	515
1449098-1	191
1451798-1	108
1462432-1	710
1462434-1	710
1462445-1	711
1462506-1	729
1462516	712
1462516-001	712
1462516-1	712
1462554	730
1462554-1	730
1462554-2	730
1462554-3	730
1462554-4	730
1462559-1	728
1462560	729
1462560-001	729
1462560-1	729
1462577	780
1463633-1	710
1463641-1	536A
1463641-2	536A
1463677-1	780
1463677-2	780
1463677-3	780
1463681-1	904
1463686-1	712
1464295-1	757
1464295-2	763§
1464437-1	787
1464437-2	787
1464437-3	787
1464438-1	788
1464438-2	788
1464438-3	788
1464439-2	789
1464460-2	789
1464460-3	789
1464607-1	532
1464607-2	532
1464607-3	532
1464607-4	532
1464607-5	532
1464607-6	532
1464607-7	531
1464607-8	531
1464607-9	533
1464607-10	533
1464607-11	533
1464607-11G	533
1464686-1	712
1464778-9	507
1464846-1	949
1464846-2	949
1464984-1	532
1464984-2	532
1465158-1	797
1465158-2	797
1465316-1	984
1465316-2	984
1465316-2A	984
1465345-1	1174
1465560-1	1566
1465615-1	1176§
1465615-2	1176§
1465617-004	1175
1465617-2	1175
1465617-3A	1175
1465617-4	1175
1465629-1	985§
1465629-2	985§
1465633	709
1465637-1	986
1465637-4	986
1465638-005	844
1465638-010	844
1465638-5	844
1465638-10	844
1465640-2	842
1465641-2	841
1465646-1	868
1465649-003	1652
1465914-50	503
1465914-501	503
1466701-1	1177
1466860-1	532
1466860-2	537
1466860-3	537
1466862-2	531
1466865-1	532
1469327-1	77
1470872-6	177
1470990	120
1470990-1	120
1471036-14	121
1471036-20	121
1471072-4	177
1471100-1	102A
1471100-8	102A
1471100-9	102A
1471101-2	102A
1471101-3	102A
1471101-4	102A
1471101-15	102A
1471102-41	121
1471104-5	126A
1471104-6	126A
1471104-7	126A
1471104-8	126A
1471112-008	159
1471112-3	159
1471112-7	159

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
1471112-8	159
1471112-9	159
1471112-10	159
1471112-12	159
1471113-2	123A
1471113-3	123A
1471114-1	159
1471115-1	123A
1471115-2	123AP
1471115-3	199
1471115-4	199
1471115-10	161
1471115-11	199
1471115-12	123A
1471115-13	123AP
1471115-14	123AP
1471117-1	124
1471120-7	123AP
1471120-8	123AP
1471120-11	199
1471120-14	123AP
1471120-15	123AP
1471122	199
1471122-6	123AP
1471122-7	123AP
1471123-2	128
1471123-3	128
1471123-4	128
1471123-5	128
1471124-5	179
1471125-3	179
1471132-002	196
1471132-2	152
1471132-3	196
1471132-4	152
1471132-5	196
1471132-6	181
1471133-1	188
1471134	153
1471134-1	189
1471135-001	130
1471135-1	130
1471135-2	181
1471136-3	172A
1471139-1	180
1471140-1	184
1471141-1	185
1471393-4	167
1471405-1	156
1471822-11	110MP
1471839-1	612
1471839-5	612
1471872-002	177
1471872-006	177
1471872-008	177
1471872-06	177
1471872-010	177
1471872-014	177
1471872-017	109
1471872-019	109
1471872-024	177
1471872-029	177
1471872-1	177
1471872-2	177
1471872-3	177
1471872-4	177
1471872-5	177
1471872-6	177
1471872-7	177
1471872-8	177
1471872-10	177
1471872-11	109
1471872-12	177
1471872-13	177
1471872-14	177
1471872-15	109
1471872-16	177
1471872-17	109
1471872-18	177
1471872-19	109
1471872-22	177
1471872-24	177
1471876-6	178MP
1471878-3	137A
1471893-4	149A
1471898-014	5037A
1471898-019	5015A
1471898-3	137A
1471898-4	149A
1471898-5	136A
1471898-7	143A
1471898-8	140A
1471898-13	5018A
1471898-14	5037A
1471898-19	5015A
1471900-2	7400
1471908-1	173BP§
1471922-001	112
1471922-1	112
1471922-4	112
1472171-32	116
1472434-1	706
1472446	121
1472446-1	121
1472450-1	108
1472460-1	117A
1472460-2	177
1472460-3	127
1472460-4	117A
1472460-5	117A
1472460-13	177
1472460-14	177
1472460-16	177
1472460-18	114
1472474-2	154
1472475-1	199
1472482-1	102A
1472494-1	127
1472495-1	127
1472500-1	127
1472501-1	159
1472633	161
1472634-1	229
1472636-1	107
1472654-1	229
1472716-1	850
1473500-1	123A
1473501-1	159
1473502-1	704
1473502-2	704
1473503	124
1473503-1	124
1473505-1	123A
1473506-1	199
1473508-1	128
1473512-1	121
1473514-1	127
1473515-1	121
1473516-1	159
1473519-1	123AP
1473520-1	124
1473521-1	108
1473523-1	159
1473524-1	229
1473524-2	229
1473526-1	123AP
1473527-1	108
1473528-1	785§
1473528-2	785§
1473529-1	107
1473530-1	108
1473530-2	108
1473532-1	123AP
1473533-1	159
1473535-1	319P
1473536-001	123AP
1473536-1	123AP
1473536-2	123AP
1473537-1	233
1473538-1	123AP
1473539-1	123AP
1473540-1	159
1473541-1	123AP
1473543-1	123AP
1473544-1	123AP
1473545-1	128
1473546-1	123AP
1473546-2	123A
1473546-3	123A
1473547-1	128
1473548-1	123AP
1473549-1	159
1473549-2	159
1473550-1	123A
1473551-1	123AP
1473552-1	154
1473553-1	154
1473554-1	123AP
1473555-1	128
1473555-2	123A
1473555-3	128
1473555-i	128
1473556-1	123AP
1473557-1	123A
1473558-1	123AP
1473559-001	159
1473559-1	159
1473560-002	123AP
1473560-1	123AP
1473560-2	123AP
1473560-3	123AP
1473561-001	123AP
1473561-1	128
1473562-1	159
1473563-1	159
1473564-1	369
1473565-001	128
1473565-1	123AP
1473566-1	123AP
1473567-1	427/128
1473567-2	184
1473567-4	152
1473568-1	229
1473569-1	123AP
1473570-001	159
1473570-1	159
1473570-2	159
1473571-1	123AP
1473572-1	123AP
1473572-3	123AP
1473573-1	103A
1473574-1	159
1473576	233
1473576-1	233
1473577-1	123AP
1473578-1	102A
1473579-1	108
1473580-1	128
1473581-1	159
1473582-1	128
1473583-7	230
1473583-8	230
1473584-1	124
1473585-1	231
1473585-5	230
1473585-6	231
1473585-7	230
1473585-8	231
1473586	161
1473586-2	123AP
1473588-2	222
1473589-1	123A
1473590-1	159
1473591-1	159
1473592-1	129
1473593-1	128
1473595-1	123A
1473597-1	159
1473597-2	159
1473598-2	102A
1473599-1	159
1473601	123AP
1473601-001	123AP
1473601-1	123AP
1473601-2	123AP
1473603-1	123AP
1473604-1	172A
1473604-3	172A
1473606-1	108
1473608-002	128
1473608-1	128
1473608-2	128
1473608-3	128
1473610-1	229
1473611	152
1473611-1	152
1473612	152
1473612-1	152
1473612-11	152
1473613-2	191
1473613-3	191
1473613-4	191
1473613-5	154
1473614-003	123AP
1473614-1	123AP
1473614-2	123AP
1473614-3	123AP
1473615-1	123AP
1473616-1	159
1473617-1	107
1473618-1	222
1473619-1	5642
1473619-2	5642
1473619-3	5642
1473620-001	159
1473620-1	159
1473620-2	159
1473621-1	152
1473622	128
1473622-002	128
1473622-1	128
1473622-2	128
1473623-1	152
1473624-1	185
1473624-2	185
1473624-21	185
1473625-001	123AP
1473625-1	123AP
1473626-001	123AP
1473626-1	123AP
1473627-1	159
1473628-1	188
1473628-2	171
1473628-3	188
1473629-1	189
1473629-3	189
1473631-1	194
1473632-003	196
1473632-1	196
1473632-2	196
1473632-3	196
1473633-1	171
1473634-1	165
1473635	222
1473635-1	222
1473635-2	222
1473636-1	152
1473637-1	162
1473638-1	218
1473640-1	196
1473647-1	165
1473648-1	127
1473649-1	165
1473651-1	395
1473652-1	229
1473656-1	373
1473656-2	373
1473656-4	373
1473657-1	229
1473657-2	229
1473665-2	162
1473666-1	159
1473669-1	163A
1473669-2	165
1473676-001	229
1473676-1	229
1473679-1	191
1473680-002	319P
1473680-003(CEB)	229
1473680-1	319P
1473680-2	319P
1473681-1	152
1473681-i	152
1473682-1	185
1473683-1	162
1473686-1	222
1473687-1	191
1473688-1	5404
1473697-1	159
1473777-2	145A
1474717-2	145A
1474777-002	145A
1474777-023	139A
1474777-025	5020A
1474777-026	137A
1474777-1	142A
1474777-2	145A
1474777-3	5103A
1474777-4	147A
1474777-5	5097A + 5101A(CP)
1474777-7	149A
1474777-9	144A
1474777-11	144A
1474777-12	147A
1474777-13	145A
1474777-14	146A
1474777-16	147A
1474777-18	145A
1474777-20	5074A
1474777-26	137A
1474778-013	116
1474778-2	116
1474778-3	116
1474778-4	156
1474778-5	552
1474778-6	506
1474778-7	116
1474778-8	156
1474778-9	507
1474778-10	116
1474778-11	116
1474778-13	116
1474778-14	156
1474778-16	177
1474778-21	156
1474788-10	116
1474872-1	177
1475171-31	116
1475179-1	109
1476049-2	119
1476161-11	558
1476161-12	558
1476161-13	558
1476171-031	558
1476171-033	558
1476171-034	558
1476171-036	525
1476171-037	552
1476171-039	525
1476171-041	581
1476171-043	558
1476171-044	552
1476171-046	552
1476171-11	580
1476171-11(Transistor)	104
1476171-12	580
1476171-13	558
1476171-13(Transistor)	104
1476171-14	515
1476171-15	515
1476171-17	506
1476171-18	506
1476171-19	515
1476171-20	515
1476171-21	156
1476171-22	506
1476171-24	558
1476171-25	552
1476171-26	558
1476171-27	558
1476171-28	558
1476171-29	552
1476171-30	552
1476171-31	558
1476171-32	552
1476171-33	558
1476171-34	558
1476171-35	552
1476171-36	525
1476179-001	109
1476179-007	109
1476179-01	109
1476179-1	162
1476183-2	119
1476183-3	503
1476183-4	503
1476183-5	506
1476183-6	119
1476183-8	119
1476188-1	123AP
1476689-1	616
1476690-1	177
1476690-2	177
1476930	505
1476930-1	505
1476930-2	505
1476933-501	505
1476933-502	505
1476933-503	505
1477022-002	553
1477022-1	553
1477022-2	553
1477046-004	142A
1477046-010	5133A
1477046-014	5134A
1477046-028	5116A
1477046-1	145A
1477046-2	5116A
1477046-4	142A
1477046-5	5085A
1477046-8	5127A
1477046-10	5133A
1477046-11	5135A
1477046-13	5136A
1477046-14	5134A
1477046-16	5133A
1477046-17	5116A
1477046-19	5119A
1477046-20	5142A
1477046-21	5131A
1477046-28	5116A
1477046-29	5116A
1477049-4	616
1477069-1	616
1477074-1	616
1477081-501	145A
1477949-004	616
1477949-1	616
1477949-3	616
1477949-4	616
1478023-1	502
1478164-002	615A
1478164-010	147A
1478164-011	615A
1478164-1	615A
1478164-2	615A
1478164-3	5081A
1478164-10	147A
1478564-1	310
1478564-1(PLASTIC)	308P
1478564-2	308
1478564-5	310
1478564-6	308
1478564-7	310
1478564-8(METAL)	308
1479979-1	161
1479979-2	108
1490008-1	165
1490880-1	505
1497049-001	5031A
1497049-003	146A
1497049-006	5019T1
1497049-009	5029A
1501883	123A
1502039	128
1503097-0	159
1510446-00	311
1522237-20	123A
1560048	912
1563295-101	123A
1582501	925
1588035-42	177
1596408	123A
1597777	1670
1604609-2	909
1611708-2	123A
1612738-1	199
1616226-1	159
1617032	159
1617510-1	123A
1638776-103JS1659	519
1641141-101	177
1641141-102	177
1642606B1	135A
1642606B4	137A
1642606B6	136A
1662258-6	5987
1680008-01	519
1690019-01	123A
1690019N137	6402
1700001	159
1700008	123A
1700019	123A
1700020	229
1700032	229
1700033	229
1700034	159
1700035	311
1700036	152
1700037	195A
1700038	195A
1701790-1	130
1702601-1	130
1780142	159
1780145-1	123A
1780145-2	123A
1780145-2-001	123A
1780169-1	177
1780174-1	519
1780522-1	159
1780522-2	159
1780522-2-001	159
1780724-1	123A
1780738-1	123A
1800002	109
1800006	116
1800009	519
1800012	136A
1800013	140A
1800017	156
1800018	116
1800019	5092A
1800020	5085A
1802520-001	941
1802677-1	923D
1802765	940§
1810037	108
1810038	108
1810039	108
1813913-1	177
1815036	108
1815037	108
1815039	108
1815041	123A
1815042	123A
1815043	123A
1815045	108
1815047	108
1815054	123A
1815067	108
1815068	108
1815153	128
1815154	123A
1815154-9	128
1815156	128
1815157	128
1815159	128
1817004	108
1817005	123A
1817005-3	108
1817006	128
1817006-3	108
1817007	123A
1817008	108
1817017	103A
1817045	108
1817108	123A
1819045	108
1820829	128
1826065-1	532
1826065-2	532
1826065-3	531
1826860-1	532
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2003168-136	123A
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2006681-94	107
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2330191	506
2330192	506
2330201	116
2330211	506
2330241	142A
2330251	552
2330251(POWER)	156
2330251H	116
2330252	125
2330253	552
2330254	125
2330256	552
2330302	5071A
2330302H	138A
2330305	144A
2330307	5072A
2330332	156
2330351	519
2330352	519
2330354	125
2330356	506
2330361	166
2330362	116
2330381	504
2330551	552
2330553	116
2330561	116
2330562	552
2330564	558
2330596	289A
2330611	605A
2330612	116
2330631	5014A
2330632	5014A
2330633	5014A
2330634	5014A
2330643	5071A
2330721	116
2330743	139A
2330771	156
2330773	156

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2330791	5071A
2330921	502
2331001	5011A
2331084	615A
2331121	506
2331141	506
2331142	116
2331152	142A
2331154	5021A
2331161	5020A
2331164	5020A
2331165	5020A
2331171	5019A
2331172	5020A
2331173	5020A
2331174	5074A
2331201	116
2331351	519
2331381	551
2331441	109
2331481	116
2331491	5009A
2331493	135A
2331495	5011A
2331497	5013A
2331502	125
2331541	5002A
2331546	5006A
2331581	5030A
2331807	5012A
2331816	5014A
2331817	5015A
2331821	5016A
2331823	5016A
2331829	5018A
2331842	5021A
2331843	5021A
2331844	5022A
2331845	143A
2331859	5008A
2331902	519
2331991	125
2332004	5037A
2332121	525
2332141	552
2332152	558
2332242	558
2332251	552
2332462	116
2332483	5002A
2332491	3166
2332492	3167
2332751	5014A
2332771	5021T1
2332781	5010A
2332791	5304
2332794	5305◆
2332801	558
2332811	552
2332841	5020A
2332851	552
2333003	552
2333011	552
2333173	109
2333231	125
2333855	5031A
2334052	5002A
2334121	5010A
2334122	5010A
2334142	5013A
2334243	5025A
2334282	5031A
2334295	5033A
2334303	5035A
2334312	5036A
2334471	375◆
2335042	5030A
2335181	5029A
2335461	5031A
2337011	177
2337063	5080A
2337065	5075A
2337071	116
2337101	142A
2337102	5022A
2337103	5021A
2337121	5011T1
2337122	5070A
2337151	519
2337184	5025A
2337185	5032A
2337186	5035A
2337187	5031A
2337188	5031A
2337292	5017A
2337341	5313
2337411	3022
2337431	5004A
2337461	5313
2337483	143A
2337502	3024
2337515	5011T1
2337519	5013T1
2337529	5018A
2337531	5023A
2337532	5024A
2337541	5014A
2337545	5014A
2337547	5015A
2337562	5021T1
2337564	5022A
2337565	5022A
2337568	5023A
2337584	5009A
2337587	5010T1
2337601	519
2337615	5004A
2337641	177
2337751	3022
2337752	3022
2337761	116
2337762	116
2337778	140A
2337783	142A
2337787	145A
2337811	3024
2337812	3024
2337893	5079A
2337896	5074A
2337921	109
2337922	109
2337932	109
2338003	137A
2338014	519
2338211	116
2338371	5030A
2338561	5015A
2338630	5024A
2338653	5033A
2338721	5332
2338881	177
2340283	600
2340331	605A
2340332	605A
2347021	116
2347041	600
2347141	605A
2360021	1061
2360042	712
2360042(Hitachi)	712
2360092	712
2360141	1004
2360151	1213
2360171	1004
2360201	712
2360221	1094
2360231	1121
2360271	1258
2360281	1251
2360291	1257
2360361	1004
2360391	712
2360401	1004
2360431	1196
2360441	1196
2360491	712
2360501	712
2360511	1004
2360561	74107
2360631	1213
2360691	1550
2360741	7400
2360751	74S194
2360782	1469
2360851	4011B
2360924-5601	123A
2361291	1758
2361301	1759
2361361	4069
2361461	966
2361571	289A
2361572	1473
2362541	1593
2362621	4011B
2363191	4066B
2363261	1473
2363741	4069
2364081	1409
2364131	1546
2364181	1471
2364401	966
2364502	4042B
2365061	1650
2365062	1650
2365411	834
2366151	1653
2366621	1658
2366631	1682
2367152	1480
2367191	1040
2367271	1484
2367281	1486
2367391	1510
2367451	4011B
2367654	40
2367691	4001B
2367831	4081B
2367901	1512
2367941	7407
2367991	1534
2368011	1499
2368031	1331
2368041	778A
2368051	1333
2368152	964
2368162	1659
2368261	1087
2368282	1656◆
2368721	1082
2368761	2077
2368791	4028B
2368801	4035B
2368841	1331
2368851	1559
2368861	1060
2368971	1218
2370873	1742
2390022	5404
2391342	910
2391773	909
2392152	941M
2396475	923
2402277	804
2412275	804
2412949-0001	129
2469749	123A
2469755	123A
2469936-1	128
2479692	123A
2479836	123A
2485076-2	128
2485076-3	128
2485077-2	128
2485077-3	128
2485078-1	123A
2485078-2	123A
2485078-3	123A
2485079-1	123A
2485079-2	123A
2485079-3	123A
2485080	177
2485080(Diode)	109
2486836	116
2487305	177
2487340	159
2487341	159
2487424(PNP)	159
2487424(NPN)	192
2495012	126A
2495013	126A
2495014	102A
2495078	160
2495079	160
2495080	102A
2495082	160
2495083	110MP
2495083-0	109
2495083-2	109
2495084	109
2495166-1	108
2495166-2	123A
2495166-4	123A
2495166-8	123A
2495166-9	123A
2495200	126A
2495376	160
2495377	160
2495378	126A
2495379	126A
2495380	109
2495383	109
2495388	102A
2495388-1	102A
2495388-2	102A
2495488-1	126A
2495488-2	126A
2495520	161
2495521	161
2495521-1	123A
2495522-1	161
2495522-4	123A
2495523-1	161
2495529(Arvin)	128
2495529 (Diode)	109
2495567-2	102A
2495567-3	102A
2495568	158
2495568-2	102A
2496125-2	123A
2496436	109
2497094-1	161
2497094-2	161
2497473	102A
2497473-1	102A
2497496	102A
2497888	158
2498163	128
2498456-2	107
2498457-2	123A
2498482-2	107
2498507-1	108
2498507-2	108
2498507-3	108
2498508-2	107
2498508-3	107
2498512	159
2498513	116
2498530	109
2498665-1	199
2498665-2	199
2498665-3	199
2498837	160
2498837-4	102A
2498902-1	107
2498902-2	107
2498903-1	107
2498903-3	107
2498904-3	123A
2498904-4	123A
2498904-6	123A
2499950	199
2500389-432	9932
2500389-444	9944
2500390-435	9935
2500390-436	9936
2500390-437	9937
2500390-446	9946
2500390-449	9949
2500390-461	9961
2500390-462	9962
2500391-445	9945
2500747	9932
2501337-433	9933
2501549-341	703
2501557-430	9930
2501557-436	9936
2501557-437	9937
2501557-446	9946
2501557-449	9949
2501557-461	9961
2501557-462	9962
2503134-105	159
2505207	199
2505209	123A
2509319	124
2520063	123A
2521108-1	159
2530733	123A
2545989-2	128
2546059	519
2546220-1	910
2552007	156
2552865-1	536A
2596071	108
2604688-3	909
2605022	128
2608169-1	128
2610023-01	910
2610023-02	910D
2610032	177
2610043-03	941M
2610153	725
2610154-01	923
2610783	7402
2610784	7496
2610786	7400
2610788	74121
2621499-1	177
2621567-1	123A
2621570	159
2621764	123A
2621786-1	519
2621811	106
2622284	123
2635012	177
2640830-1	123
2640843-1	123A
2652613	9944
2652614	9945
2656211-1	9930
2656212	9946
2656212-1	9946
2656213	9944
2656213-1	9944
2656214	9945
2656214-1	9945
2656747	9944
2656748	9946
2666293	7482
2666294-1	7483
2666307-1	128
2709759	309K
2710002	941
2712080	123A
2729789	176
2760438-1	177
2777301	128
2780312	358
2797658-616030A	941
2808577	9932
2811550-1	851
2811925-001	156
2811925-002	552
2811975-001	454
2811975-1	454
2812833-001	616
2812833-1	616
2812851-001	125
2812851-1	125
2812851-2	125
2814681-001	222
2814682-001	222
2815513-001	222
2815555-001	616
2816796-100	844
2820545-002	580
2840088-001	112
2840088-1	112
2855296-01	102A
2865101	192
2865141	519
2868536-1	7474
2870406-1	614
2870486-002	5141A
2870486-1	5140A
2871185-1	112
2871628-001	610
2875493	152
2887425RB	311
2898431-2	9946
2899000-00	9946
2899001-00	9962
2899002-00	9930
2899003-00	9936
2899004-00	9945
2899018	911
2899414	923D
2902798-2	915
2903993-1	159
2903993-i	159
2904014	121
2928054-1	128
2970038H05	100
3004856	102A
3005300	5882
3005861	123A
3006206-00	784
3006892-00	910
3006892-01	910D
3007359-00	9937
3007359-01	9949
3007359-02	9963
3007359-03	9932
3007472-00	9945
3007473-00	9932
3007473-01	9932
3007474-00	9930
3007474-01	9930
3007475-00	9962
3007475-01	9962
3007476-00	9946
3007476-01	9946
3007477-00	9936
3007477-01	9936
3007572-00	9933
3007573-00	9093
3007579	912
3007579-00	912
3007604-00	9135
3007680-00	941
3007680-01	941D
3008321-00	309K
3008340	923D
3020111	107
3034725-1	903
3068305-2	123A
3100001	923D
3100002	992
3100004	960
3102006	74LS00
3102007	74LS02
3102008	74LS04
3102009	74LS05
3102010	74LS11
3102011	74LS20
3102013	74LS30
3102014	74LS32
3102015	74LS74A
3102016	74LS92
3102017	74LS93
3102018	74LS132
3102019	74LS153
3102020	74LS157
3102021	74LS166
3102022	74LS174
3102023	74LS175
3102024	74LS367
3102025	74LS368
3102026	74C00
3102027	74C04
3102028	74LS156
3106002	75452B
3108002	2102
3108003	2117
3108009	2117
3110001	3880
3110883-P01	177
3130006	121
3130011	102
3130025	102
3130053	128
3130057	175
3130058	130
3130060	102
3130090	181
3130091	130
3130092	128
3130093	175
3130104	181
3130109	121
3146977	130
3146977A	130
3152159	175
3152170	130
3152170A	130
3160000-00-08A	519
3170717	154
3170757	154
3172626	9933
3172627-2	9949
3172629-1	9930
3172629-2	9961
3172630	9944
3172631	9948
3172632-1	9962
3172638	9950
3176135-1	9936
3176135-2	9937
3177200	9932
3180006	519
3181947	6094
3181972	108
3195638	177
3201104-10	123A
3234691(LRB)	367
3235900	2061§
3236824	2060
3263029-10	519
3265869	2708
3265889	2716
3267390-01	74H40
3311133	519
3403787	123A
3403866-3	128
3404114-1	102
3404114-2	102
3404520-81	126A
3404520-301	128
3404520-601	221
3405081-0017	519
3406519-31	726
3406519-31(RCA)	726
3412004-1912	312
3412907-1	128
3412951	904
3412986-1	903
3430063	116
3430063-1	5804
3430063-i	5804
3438095	152
3438854	163A
3438867	152
3450842-10	154
3450842-20	154
3450842-30	154
3457107-1	123A
3457632-5	123A
3457633-1	128
3457633-2	128
3457697-1	726
3457845-1	346
3457846	357
3457846-1	347
3457846-2	348
3457847-1	349
3457847-2	351
3457847-3	351
3457847-4	350
3457847-6	351
3457936-1	234
3457964-1	350
3457964-2	350
3457964-3	350
3457964-4	350
3458267-1	128
3458573-1	192
3459332-1	161
3460550-1	160
3460550-3	160
3460550-4	160
3460553-2	121
3460553-4	121
3460679-1	102A
3460758-2	5801
3462221-1	121
3462306-1	121
3463098-1	5870
3463098-2	5871
3463099-1	128
3463100-1	175
3463101-1	130
3463604-1	175
3463604-2	175
3463609-2	161
3464482-1	102A
3464611	519
3464648-1	390
3464648-2	390
3468068-1	161
3468068-2	161
3468068-3	161
3468068-4	161
3468071-1	175
3468182-1	123A
3468182-2	123A
3468183-1	159
3468242-1	159
3468242-2	123A
3468841-1	175
3520025-001	9936
3520041-001	7400
3520042-001	7410
3520043-001	7473
3520044-001	7440
3520045-001	7451
3520046-001	7474
3520047-001	7430
3520048-001	7404
3520050-001	7472
3539307-001	161
3539307-002	161
3596061	177
3596062	109
3596063	159
3596067	108
3596068	108
3596069	108
3596070	108
3596071	108
3596072	108
3596091	196
3596092	196
3596100	197
3596101	197
3596116	123AP
3596117	123A
3596118	159
3596260	108
3596261	108
3596338	123A
3596339	123AP
3596340	129
3596341	129
3596353	736
3596354	723
3596398	5071A
3596401	222
3596402	222
3596435	614
3596440	107
3596446	152
3596447	152
3596448	152
3596451	153
3596452	153
3596453	153
3596453(Zener)	151A
3596454	153
3596454(Zener)	151A
3596559	177
3596570	123A
3596808	726
3596809	789
3596810	788
3597049	1115
3597103	108
3597104	108
3597114	107
3597260	108
3597261	108
3597280	1115
3597729	75491B
3598173	1115
3598445	1232
3598520	1232
3600680	1394
3600836	960
3610001-001	OBS-NLA
3610003	9914
3610005	9900
3650238A	159
3670724H	123A
3671857E	124
3673351K	289A
3673354G	289A
3680322-3	5992
3700072	123A
3700085	121
3700109	123A
3700135	130
3700144	159
3700162	128
3700163	129
3700164	130
3700171	123A
3700219	130
3700228	130
3700249	159
3700258	129
3700279	123A
3720923-1	320
3720923-2	320
3720923-3	320
3720923-4	320
3720968-1	923
3723012	367
3723103	367
3726117-1	278
3727104-1	352
3727796-1	477
3728256-1	338F
3728257-1	317
3731132-1	123A
3731133-1	159
3731313-1	121
3731418-1	129
3731418-2	128
3731418-3	129
3731418-4	129
3755171	152
3755862	199
3755864	177
3939307-002	161
4000022	605A
4000031	601
4000921	199
4002862-0001	123A
4010577-0701	519
4013373-0701	9974§
4017621-0701	123A
4028839	161
4031986-0701	159
4032122	716
4036392-P2	140A
4036598-P1	121
4036598-P2	102A
4036612-P1	100
4036612-P2	100
4036707-P1	100
4036707-P2	100
4036715-P1	160
4036715-P2	160
4036733-P1	121
4036749-P1	101
4036749-P2	101
4036754-P1	103
4036754-P2	103
4036831-P1	105
4036832-P1	105
4036887P1	5000A
4036887P3	5007A
4036887P7	5018A
4036887-P8	123A
4036887P8	5020A
4036887P9	5017A
4036887P16	5028A
4036887P40	5016A
4036887P56	5010A
4036923-P1	160
4036923-P2	160
4036924-P1	123A
4036924-P2	123A
4036937-P1	100
4036937-P2	100
4036962-P1	160
4036962-P2	160
4036963-P1	160
4036963-P2	160
4036965-P1	160
4036965-P2	160
4037145-P1	102A
4037145-P2	102A
4037289-P1	101
4037289-P2	101
4037325-P1	116

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
4037410-P1	160
4037410-P2	160
4037413-P1	137A
4037586-P1	123A
4037586-P2	123A
4037594-P1	121
4037607-P1	121
4037647-P1	186
4037647-P2	186
4037764-P1	160
4037764-P2	160
4037800-P1	123A
4037800-P2	123A
4037804-P1	102A
4037804-P2	102A
4037822P1	116
4037822P2	116
4037822P7	125
4037839-P1	101
4037839-P2	101
4037993-P1	100
4037993-P2	100
4038256-P1	103A
4038256-P2	103A
4038260-P1	100
4038260-P2	100
4038264-P1	101
4038264-P2	101
4038359-P1	160
4038359-P2	160
4038406-P1	160
4038406-P2	160
4080187-0502	152
4080187-0504	130
4080187-0506	196
4080187-0507	196
4080320-050B	130
4080320-0501	130
4080320-0504	130
4080627-0501	175
4080835-0002	196
4080838-0001	175
4080838-0002	175
4080838-002	196
4080838-2	175
4080838-3	175
4080866-0001(Metal)	130
4080866-0002(Metal)	130
4080866-0006(Metal)	130
4080866-0006(Plastic)	152
4080866-0007	175
4080866-000A	130
4080866-003	152
4080866-006	152
4080866-009	152
4080866-0012	196
4080866-0013	152
4080866-1	175
4080866-2	175
4080866-4	152
4080866-8006	130
4080873-0001	184
4080879-0001	152
4080879-0006	196
4080879-0011	196
4080879-0015	175
4082501-0001	104MP
4082501-0001A	121
4082501-001	104
4082626-0001	912
4082664-0001	726
4082665-0001	723
4082665-0002	723
4082665-0003	723
4082665-1	723
4082665-2	723
4082665-3	723
4082671-0002	172A
4082748-0002	136A
4082799-0001	789
4082799-0002	789
4082799-1	789
4082799-2	789
4082802-0001	781
4082802-0002	781
4082802-1	781
4082802-2	781
4082873-0001	197
4082886-0002	184
4082886-001	130
4082886-002	130
4082886-3	130
4084114-0001	222
4084114-0002	222
4084117-0001	949
4084117-0002	949
4089549-0001	949
4089549-001	949
4090187-0502	130MP
4101685	116
4350052-1	703
4361620	130
4420022-P1	5995
4420022-P2	5995
4450023	130
4450023-007	130
4450023-P3	130
4450023-P4	130
4450023P5	130
4450023-P6	130
4450026-P5	128
4450028-P1	5547
4450028-P2	5547
4450028P4	5547
4450040P1	390
4450300-1	5675
4450300P2	5626
4450300P3	5626
4450303-001	5642
4450303-002	5642
4511424	7432
4550106-001	152
4550106-003	152
4613443	1095
4663001A905	7474
4663001A909	7404
4663001A911	7440
4663001A912	7410
4663001A915	7430
4663001D907	7400
4800002	519
4800021	137A
4800022	5010A
4800023	167
4800026	5046A
4800037	142A
4800045	479
4800061	338F
4800062	333
4804427	346
4806080	348
4806082	351
4806087	350
4806088	320
4806095	354
4813466	123A
4820004	291
4822001	123AP
4822003	159
4822354	130
4822354J	130
4824002	153
4824003	219
4832800	181
4865837A02	109
4882238F01	116
4890210A03	377
4890210A05	5004A
4890210A06	519
4890210A10	2303
4890210A12	5020A
4890210A13	5006A
4890210A14	399
4890210A16	12
4890210A32	5013A
4890210A68	590
4890210A69	591
4890223A09	13
4890223A61	377
4890223A62	261#
4890223A63	89
4890223A64	552
4890223A65	552
4890223A66	5037A
4890223A67	5012A
4890223A68	5424#
4890223A88	140A
4890223A90	5019T1
4890223A92	125
4890223A93	2302
4890223A94	19
4890223A95	16
4890223A95(BCE)	85
4890223A96	107
4890223A97	399
4890223A98	399
4890223A99	5004A
4890229A03	377#
4890229A15(BCE)	90
4890229A17	85
4890229A18	290A
4890229A19	290A
4890229A20	289A
4890229A30	3033
4890229A46	89
4890229A49	519
4890229A50	5009A
4890229A51	552
4890229A52	290A
4890229A53	157
4890229A88	13
4890232A40	85
4890232A47	56
4890232A68	5013T1
4890232A72	5024A
4890232A74	5015A
4890232A75	55#
4890232A78	552
4890232A93	2409
4890232A99	399
4890233A27	198
4890233A40	19
4890233A41	5011A
4890233A67	112
4890233A90	10
4890233A97	5033A
4890234A31	289A
4890235A09	605A
4890235A14	552
4890235A22	2408
4890235A24	552
4890235A25	552
4890235A26	5020A
4890235A34	2409
4890235A35	2406
4890235A37	2406
4890235A38	2407
4890235A51	5424#
4890235A52	19
4890235A53	198
4890235A54	377#
4890235A55	116
4890235A56	5010T1
4890235A57	5021A
4890235A58	5037A
4890235A59	5016A
4890235A60	558
4890235A61	89
4890235A62	116
4890235A64	2409
4890235A66	2406
4890235A68	2408
4890235A70	22
4890237A19	289A
4890237A20	289A
4890237A35	2408
4890237A36	2408
4890237A38	2408
4890237A60	152
4890237A62	125
4890237A84	2406
4890299A50	5009A
4890343A81	293
4890343A87	3120
4890380A03	51
4890380A30	5024A
4890380A46	605A
4890380A55	3120
4890380A74	16
4890380A76	290A
4890380A77	294
4890380A78	16
4890380A80	18
4890380A89	2407
4890380A95	2408
4890380A96	2406
4890380A98	2407
4890420A01	16
4890420A19	289A
4890420A29	19
4890420A41(BCE)	16
4890420A42(BCE)	19
4890420A83	91
4890420A85	552
4890420A86	552
4890420A87	552
4890432A01	289A
4890432A06	290A
4890432A15	116
4890432A32	15
4890432A35	18
4890432A36	18
4890432A39	586
4890432A55	19
4890432A56	19
4890445A11	15
4890445A17	16
4890445A80	2408
4890445A83	2407
4890445A84	2409
4890445A91	16◆
4890445A93	253
4890445A94	5025A
4890456A07	21
4890456A11	18
4890456A24	519
4890456A32	152
4890478A04	16◆
4890478A13	5014A
4890478A26	5314
4890478A27	125(2)
4890478A28	125(2)
4890478A34	3121
4890478A47	19
4890478A53	16◆
4890478A56	54
4890478A57	116
4890478A68	16
4890478A73	5014A
4890478A94	21
4890488A01	519
4890488A06	3022
4890488A19	18
4890488A32	552
4890488A66	389
4890488A67	125
4890488A68	5020A
4890488A77	605A
4890543A01	13
4890543A04	2407
4890543A05	5033A
4890543A06	5013A
4890543A15	558
4890543A28	2407
4890543A29	2408
4890543A30	2408
4890549A71	293
4890562A02	116
4890562A04	109
4906071	123A
4906072	123A
4906073	123A
4906093	199
4907976	102A
4914296	9906
4915702	7416
4915705	7411
4999774	121
4999885	213
4999887	102A
5001266-3	177
5049911	128
5073004	102A
5076204	74S00
5076205BZ	74S20
5113642	909
5113753A11	712
5113753A23	1415
5113753A37	1682
5113753A53	1669
5113753A67	1373
5113753A68	1663
5113753A69	1726
5165440	9936
5175460	7408
5190266A22	1560
5190266A45	928M
5190266A72	1623
5190305A04	1186
5190305A05	1187
5190305A09	615A
5190305A16	1614§
5190305A20	1123
5190305A21	1263
5190305A22	1264
5190305A23	1265
5190305A24	1266
5190305A25	1267
5190305A26	1268
5190305A27	1269
5190305A28	1223
5190305A29	1270
5190305A30	9400
5190305A31	9200
5190305A32	9401
5190305A34	1408
5190305A37	1427
5190305A39	1405
5190305A40	1428
5190305A41	1425
5190305A43	1412
5190305A44	1419
5190305A45	1622
5190305A46	9402
5190305A50	749
5190305A59	615A
5190305A60	1060
5190305A61	712
5190305A62	1408
5190305A65	1439
5190305A66	1450
5190305A69	1444
5190305A73	1421
5190305A78	1248
5190305A79	1224
5190305A82	1442
5190305A83	1249
5190305A87	712
5190305A88	1615
5190305A90	749
5190305A91	712
5190305A92	1587
5190433A07	1402
5190433A10	4069
5190433A11	4050B
5190433A12	9403
5190433A13	4016B
5190433A27	958
5190433A28	1414
5190433A30	958
5190433A32	1428
5190433A33	1400
5190433A34	1422
5190433A35	1419
5190433A46	778A
5190433A52	1620
5190433A53	1607
5190433A54	1234
5190433A57	1060
5190433A60	1162
5190433A62	1550
5190433A63	2061§
5190433A66	1187
5190433A99	1621
5190458A01	1422
5190458A02	1701
5190458A03	1702
5190458A04	1703
5190458A05	1314
5190458A06	1613
5190458A07	834
5190458A28	1930
5190458A30	1440
5190458A34	2207
5190458A37	1452
5190458A50	1440
5190458A51	712
5190458A52	1295
5190458A55	1546
5190458A56	1427
5190458A65	1217
5190458A66	1218
5190458A67	1659
5190458A70	1060
5190458A71	1618
5190458A72	1610
5190458A75	1629
5190458A78	1270
5190458A80	1625
5190458A81	1700
5190458A82	1568
5190458A83	778A
5190458A84	778A
5190458A94	834
5190480A07	960
5190480A08	960
5190480A09	1563
5190480A16	4066B
5190480A18	40097B
5190480A20	1409
5190480A31	1529
5190480A32	1718
5190480A33	1609
5190480A41	1703
5190480A46	962
5190480A51	1425
5190480A56	1410
5190480A57	1410
5190480A64	1551
5190480A65	1727
5190480A66	966
5190480A87	1367
5190480A92	1705
5190480A93	1629
5190480A95	1546
5190480A96	1674
5190495A17	7406
5190495A36	1560
5190495A87	1612
5190495A88	1747
5190495A90	1683
5190495A91	7416
5190507A20	1234
5190507A24	962
5190507A29	1714S
5190507A39	928M
5190507A40	928M
5190507A46	1689
5190507A59	943M
5190507A60	1630
5190507A71	1659
5190507A78	1712
5190507A80	1713
5190507A83	1715
5190507A84	4001B
5190507A85	4071B
5190507A87	1628
5190507A92	4015B
5190507A93	4024B
5190507A97	4002B
5190507A98	4012B
5190507A99	4069
5190508A35	9403
5190518A07	960
5190518A08	4040B
5190518A09	1704
5190518A10	1659
5190518A11	1217
5190518A19	1711
5190518A28	4528B
5190518A34	40097B
5190518A36	4011B
5190518A54	1682
5190518A69	955M
5190518A71	2079
5190518A84	1435
5190518A97	1611
5190528A01	928M
5190528A21	1367
5190528A26	986
5190528A27	1747
5190528A28	1683
5190528A29	966
5190528A32	834
5190528A35	1176§
5190528A36	1546
5190528A39	986
5190528A41	1742
5190528A49	960
5190528A53	1688
5190528A80	778A
5190538A18	4027B
5190538A22	966
5190538A24	1561
5190538A89	960
5190544A55	1729
5190555A53	1683
5190555A60	4053B
5261927	6084
5294477-1	123A
5294477-2	123A
5300073-15	145A
5300113-1	116
5301710-001	116
5320003	175
5320004	289A
5320011	102A
5320022	289A
5320023	289A
5320023H	123A
5320024	123A
5320026	123A
5320031	220
5320032	312
5320042H	159
5320043H	159
5320051	161
5320064	289A
5320064H	123A
5320067	289A
5320074	123A
5320101	102A
5320111	129
5320141	102A
5320151	237
5320241	123A
5320295	102A
5320295H	103A
5320296	102A
5320305	103A
5320305H	102A
5320306	103A
5320326	123A
5320326H	107
5320328	108
5320361	103A
5320372	123A
5320372H	123A
5320373	123A
5320422H	152
5320432	152
5320433	152
5320475	103A
5320485	102A
5320492H	152
5320501	195A
5320511	237
5320583	312
5320592	290A
5320593	290A
5320612	128
5320613	289A
5320632	187
5320642	186
5320643	184
5320651	289A
5320671	152
5320702	312
5320723	185
5320772	229
5320791	235
5320813	85
5320851	123A
5320852	123A
5320861	107
5320863	107
5320872	102A
5320921	184
5320942	312
5320943	312
5320944	312
5320961	292
5321171	237
5321183	290A
5321184	159
5321193	85
5321212	287
5321214	287
5321231	186A
5321235	186A
5321252	294
5321253	129
5321261	123A
5321281	85
5321282	85
5321291	123AP
5321301	152
5321311	295
5321321	235
5321422	312
5321431	107
5321491	236
5321492	236
5321501	312
5321502	459
5321504	312
5321901	229
5321941	312
5322402	185
5322412	184
5330001	125
5330011	139A
5330012	139A
5330031	116
5330041	116
5330041(HR-5A)	125
5330041H	116
5330042	116
5330051	5071A
5330054	5022A
5330054H	5022A
5330059	5080A
5330101	116
5330101H	116
5330102	116
5330102H	116
5330104	125
5330131	519
5330132	519
5330133	177
5330212H	177
5330261	177
5330261H	177
5330312	5071A
5330322	5073A
5330323	139A
5330331	109
5330332	109
5330334	177
5330335	109
5330336	116
5330341	116
5330371	116
5330372	116(2)
5330381	116
5330392	5012A
5330393	5012A
5330431	116
5330521	611
5330541	5024A
5330551	5074A
5330552	5074A
5330571	519
5330572	519
5330573	519
5330574	519
5330601	142A
5330602	5075A
5330661	614
5330721	109
5330731	109
5330732	109
5330761	519
5330822	116(4)
5330841	5010A
5330842	136A
5330849	5011A
5330851	614
5330852	614
5331001	614
5331031	519
5331051	109
5331052	109
5331091	143A
5331102	5312
5331201	116
5331411	116
5331491	5030A
5331502	109
5331582	5011A
5331583	5013A
5331592	519
5332402	185
5332412	184
5340001	177
5340001(Transistor)	123A
5340001H	177
5340021	116
5340022	116
5340022H	177
5340051	177
5340111	177
5340113	601
5340161	601
5350121	1029
5350132	1030§
5350135	1030§
5350136	1030§
5350141	1031
5350151	1032
5350152	1032
5350161	1033
5350182	1075A
5350211	1043
5350231	1058
5350321	1169
5350491	1169
5350561	2000
5350571	968
5350611	615A
5350661	613
5350671	1115
5350712	1659
5351041	722
5351042	722
5351051	1041
5351061	1072
5351062	1072
5351064	1072
5351073	801
5351172	1217
5351252	129
5351351	712
5351361	1004
5352161	1510
5352611	1636
5357561(Transistor)	130
5359031	7400
5359251	1255§
5359261	1254
5359262	1255§
5359271	7493A
5359281	981
5359331	977
5359522	2061§
5391032	1705
5401601	159
5401603	123AP
5401604	123AP
5401606	159
5406665-P2	102A
5406665-P5	102A
5490307-P2	140A
5490307-P3	142A
5490307-P4	145A
5490415-P4	116
5490459-P1	116
5490459-P2	116
5490459-P3	116
5490459-P4	116
5490804-P1	116
5490804-P2	116
5490804-P3	116
5490804-P4	116
5490804-P5	116
5490804-P6	116
5490860P1	105
5491236-P1	109
5491236-P2	109
5491338-P1	135A
5492153-1	105
5492639-P1	103
5492639-P2	103
5492653-P1	101
5492653-P2	101
5492655-P1	101
5492655-P2	101
5492655-P3	101
5492655-P4	101
5492655-P5	101
5492655-P6	101
5492659-P1	101
5492659-P2	101
5493158-1	121
5493159-P1	5874

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
5493957-P1	160
5493957-P2	160
5493957-P3	160
5493957-P5	160
5493957-P6	160
5494922P1	552
5494922-P1	116
5494922-P2	116
5494922-P3	116
5494922-P4	116
5494922-P5	116
5494922-P6	116
5494922-P7	116
5494922-P8	116
5495178-P1	5874
5495769P9	614
5495922P1	5874
5495922-P1	5874
5495922-P2	5874
5495923-P1	5545
5496438-P1	146A
5496663-P1	121
5496665-P1	102
5496665-P2	102
5496665-P3	102
5496665-P4	102
5496665-P5	102
5496665-P6	102
5496666-P1	102
5496666-P2	102
5496666-P3	102
5496666-P4	102
5496666-P5	102
5496666-P6	102
5496666-P7	102
5496666-P8	102
5496667-P1	102
5496667-P2	102
5496668-P1	105
5496774-P1	102
5496774-P2	102
5496774-P3	102
5496774-P4	102
5496774-P6	102
5496839-P1	102
5496939-P1	121
5496939-P2	121
5496947-P3	146A
5518017	220
5573505-1	519
5573505-2	519
5600101	289A
5600201	459
5600202	459
5600302	912
5600303	912
5600304	912
5601501	902
5601801	778A
5601901	975
5602001	4001B
5602101	7400
5602102	7402
5602103	7403
5602104	7405
5602105	7410
5602106	7412
5602107	7420
5602108	7454
5602109	7473
5602110	7474
5602111	7493A
5602112	74121
5602113	74150
5602114	74174
5602116	9601
5602117	7474
5729031	105
5760002-009	330
5760002-010	330
5760004-021	318
5760004-053	352
5955748	102A
5955749	116
5958539	176
5983945A	105
5985432	105
5988414	105
5988977	105
5989171	105
5989615	105
5989692	105
5989693	105
6088501-3	912
6100724-2	100
6101161-1	130
6102003-7	222
6121991-1	74LS00
6142190	5883
6200039	116
6207159	1243
6208839	123A
6212096	152
6212839	123A
6212922	108
6218945	123A
6319576	375
6324972	399
6460006	102
6460037	102
6480000	130
6480001	121
6480004	121
6480006	128
6490001	175
6532941	290A
6701012	1006
6701014	1153
6701175	85
6701311	1003
6701312	85
6701315	107
6701316	85
6701317	453
6701322	109
6701325	519
6701327	612
6701329	5016A
6701774	451
6701775	85
6701776	107
6701778	1217
6701779	1155
6720196	139A
6720525	1290
6720526	85
6720535	1525
6720601	140A
6721252	85
6721418	1286
6721487	1441
6722239	85
6725097	519
6846503	116
6848908	56
6867051	270#
6902021H25	152
6902021H26	153
6933243-001	175
6984590	123A
6984600	123A
6993400	159
6993630	159
6993650	123A
7000804UA	6104
7001003UA	6104
7001004UA	6104
7002453	123A
7011200-02	9933
7011201-02	9949
7011203-02	7475
7011203-03	7475
7011507	123A
7011507-00	123A
7011515	129
7012109-01	923D
7012126	177
7012128	9936
7012128-02	9936
7012130	9109
7012131	9112§
7012132	7482
7012133-02	7483
7012142-03	74193
7012157	519
7012166	7402
7012167-02	7490
7012411	129
7020202	159
7020203	153
7023416-00	116
7026011	108
7026012	108
7026013	108
7026014	123A
7026015	123A
7026016	123A
7026018	130
7026019	129
7026020	123A
7026024	152
7027002	116
7027005	116
7027023	116
7027031	116
7027036	113A
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8037723	108
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8113327	199
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8518382-10	5987
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9003148-01	9930
9003148-02	9930
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9003149-02	9946
9003150	9962
9003150-02	9962
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9003152-01	7474
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9004076-03	7420
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9004300-03	7476
9004360-03	7454
9004508-01	159
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9004898-04	7411
9004915-04	912

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To Be Replaced	ECG Replacement
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9100621	102A
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9100944	102A
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9248058	116
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9341767	159
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9342699	719
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18901807	108
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19901403	128
19901503	159
19901606	229
19901607	229
19901806	108
19901807	108
20001786-134	109
20001786-139	114
20001786-141	116
20001786-142	116
20025153-77	123A
20030703-0701	123A
20030703-0702	159
20052600	123A
20088308	199
20115070	109
20130109	125
20278600	130
20912578-1	176
20918596-2	121
22114210	192
22114225	186
22114253	159
22114254	187
22115181	109
22115182	109
22115183	116
22115192	109
22115405	116
22130009	128
22692012	177
22692017	601
22901513	108
22902046	108
23109992	138A
23111006	121
23114001	108
23114004	127
23114007	154
23114009	127
23114011	121
23114015	289A
23114015(Hor Osc)	289A
23114017	289A
23114021	102A
23114023	108
23114026	127
23114028	154
23114031	108
23114033	121
23114034	108
23114036	108
23114037	161
23114038	286
23114043	108
23114044	233
23114045	103A
23114046	123A
23114050	159
23114051	159
23114052	154
23114053	154
23114054	154
23114056	108
23114057	108
23114058	128
23114060	108
23114061	102A
23114070	130
23114070A	130
23114074	506
23114078	233
23114081	290A
23114082	108
23114084	175
23114086	175
23114088	175
23114093	123AP
23114095	154
23114097	127
23114100	130
23114104	233
23114108	130
23114109	319P
23114118	123A
23114119	123A
23114124	159
23114125	154
23114126	107
23114127	108
23114131	185
23114132	184
23114133	185
23114134	184
23114136	159
23114137	290A
23114138	159
23114155	123A
23114157	107
23114163	319P
23114164	161
23114165	107
23114171	108
23114172	107
23114180	108
23114181	108
23114195	128
23114200	124
23114208	162
23114211	102A
23114212	123A
23114214	123A
23114216	199
23114217	199
23114220	175
23114221	175
23114232	128
23114238	107
23114248	198
23114249	171
23114250	171
23114251	171
23114253	152
23114254	152
23114255	123A
23114258	199
23114259	289A
23114260	289A
23114261	289A
23114262	290A
23114266	198
23114268	124
23114275	123A
23114276	123A
23114277	124
23114280	229
23114282	229
23114293	290A
23114296	123A
23114297	289A
23114300	159
23114301	159
23114302	159
23114313	193
23114314	192
23114315	124
23114317	162
23114321	165
23114323	238
23114325	159
23114336	198
23114343	165
23114344	198
23114347	289A
23114349	199
23114544	217
23114550	159
23114662	85
23114733	293
23114735	294
23114768	89
23114821	85
23114864	328
23114867	86
23114880	399
23114900	198
23114915	297
23114918	398
23114919	162
23114923	196
23114939	197
23114941	198
23114944	162
23114945	238
23114954	198
23114955	291
23114961	175
23114962	238
23114966	229
23114969	196
23114974	198
23114975	198
23114982	198
23114983	190
23114992	292
23114993	198
23114994	192
23114995	193
23114999	198
23115012	125
23115019	116(2)
23115022	118
23115042	116
23115046	116
23115049	177
23115050	177
23115051	507
23115052	116(3)
23115057	123A
23115058	123A
23115064	177
23115065	178MP
23115068	177
23115070	109
23115071	177
23115072	177
23115074	178MP
23115076	139A
23115078	115
23115079	113A
23115080	177
23115085	116
23115088	109
23115094	506
23115098	125
23115108	177
23115109	177
23115113	112
23115115	109
23115116	109
23115117	125
23115118	125
23115120(Diode)	177
23115120(Rectifier)	125
23115121	112
23115129	109
23115130	125
23115131	506
23115140	116
23115142	116
23115145	506
23115146	506
23115157	502
23115168	137A
23115185	116
23115189	5019A
23115192	506
23115194	177
23115199	116
23115215	504
23115249	177
23115250	116
23115263	116
23115273	116
23115277	5072A
23115285	177
23115285(AFC)	178MP
23115292	5081A
23115294	116
23115296	125
23115298	506
23115300	116
23115321	513
23115328	5081A
23115331	177
23115334	513
23115337	116
23115338	506
23115368	5074A
23115374	5072A
23115377	506
23115455	5116A
23115532	116
23115535	109
23115549	5029A
23115585	580
23115621	116
23115665	5013A
23115690	558
23115774	5013A
23115797	116
23115800	3033
23115809	177
23115878	615A
23115883	5025A
23115884	5082A
23115888	552
23115889	552
23115897	177
23115903	6402
23115908	5071A
23115909	552
23115910	552
23115912	506
23115913	506
23115914	506
23115918	5081A
23115919	142A
23115921	5116A
23115922	615A
23115931	5013A
23115938	504
23115947	125
23115949	109
23115955	137A
23115960	506
23115965	526
23115966	125
23115978	177
23115979	5011A
23115981	506
23115984	138A
23115990	5084A
23115994	125
23115999	506
23118850	5013A
23119003	711
23119004	710
23119005	711
23119007	710
23119011	1101
23119012	1004
23119013	1109
23119014	747
23119016	1105§
23119019	749
23119022	1101
23119023	1109
23119025	748A
23119028	1105§
23119030	1109
23119031	1109
23119032	1109
23119033	1109
23119039	OBS-NLA
23119489	1744
23119742	74LS26
23119763	1373
23119796	1547
23119862	4093B
23119863	4013B
23119877	1758
23119901	1545
23119950	1236
23119960	7493A
23119961	1135
23119966	1196
23119971	1200
23119978	1236
23119981	1128
23119988	1133
23119989	1134
23119990	1128
23119993	1130
23119994	1132§
23119995	1131
23119999	748A
23124037	108
23126183	161
23126289	107
23126290	107
23126291	107
23126577	112
23126620	107
23126622	612
23200596-1	128
23225889	552
23311006	104
23311066	121
23576100	1083
23908982	138A
24501000	123A
24539800	159
24551302	128
24553500	519
24553501	519
24553600	123A
24561601-E	5995
24561602-E	5995
24561603	5995
24561604-E	5995
24562000	123A
24562001	123A
24562100	123
24562101	123A
24562200	123A
24562300	159
24733362	129
24747123	74156
25114101	102A
25114102	102A
25114103	102A
25114104	102A
25114116	123A
25114121	123A
25114130	154
25114143	124
25114161	108
25115102	109
25115108	116
25115115	116
25175800	519
26004001	123A
26004301	159
26004961	159
26005121	159
26006820	177
26006910	177
26008020	177
26010006	312
26010010	195A
26010011	507
26010016	159
26010020	123A
26010021	289A
26010022	237
26010023	199
26010024	152
26010026	229
26010027	290A
26010028	177
26010029	137A
26010030	177
26010032	177
26010033	116
26010035	1102
26010041	297
26010044	5072A
26010046	137A
26010047	177
26010051	229
26010052	297
26010053	236
26010056	108
26010057	177
26010058	195A
26010059	152
26010062	611
26011310	159
26036001	290A
26316032	159
26404501	519
26414701	125

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
26501505	123
26615401	943M
27113100	116
27119004	710
27123050	116
27123070	116
27123100	116
27123100A	116
27123120	116
27123150	109
27123220	116
27123240	109
27123270	109
27123290	116(2)
27125080	123A
27125090	123A
27125110	102A
27125120	102A
27125140	123A
27125150	123A
27125160	123A
27125170	158
27125210	108
27125230	126A
27125240	100
27125250	123A
27125260	102A
27125270	123A
27125300	123A
27125310	103A
27125330	102A
27125340	102A
27125350	102A
27125360	102A
27125370	123A
27125380	123A
27125460	123A
27125470	123A
27125480	158
27125490	103A
27125500	123A
27125540	176
27125550	102A
27126060	131 +155(CP)
27126090	121
27126100	130
27126130	121
27126130(Transistor)	121
27126130-12	121
27126220	108
28100812-001	177
28101149	234
28102128-002	199
28102128-004	199
28102163-001	177
28105203-001	152
28105203-002	152
28105207-001	234
28105249-001	153
28105789-001	199
29004423	947
30000010	126A
30000021	102A
30000425	290A
30000451	234
30000491	374
30000501	398
30000581	281
30000621	290A
30000681	290A
30000683	290A
30000741(ECB)	288
30100041	383
30100044	383(2)
30100081	374
30100111	285
30100141	88
30100151	290A
30101163	107
30112000	160
30200033	152
30200053	123A
30200062	233
30200091	108
30200101	130
30200131	289A
30200271	107
30200971	284
30200982	280
30201031	85
30201111	107
30201121	85
30201132	199
30201161	199
30201172	42
30201221	373
30201231	90
30201241	375
30201332	280
30201401	199
30201445(ECB)	194
30201471	85
30201472	85
30201491	90
30201541	199
30300151	152
30300250	382
30300280	293
30300311	373
30300313	373
30300331	284
30300341	87
30300361	85
30300401	85
30300411	85
30300431	293
30300541	92
30400021	312
30400103	457
30400131	312
30600010	109
30600011	109
30600020	109
30600040	116
30600140	142A
30600410	519
30600560	612
30600650	5021A
30600691	5013A
30600871	116
30600911	5023A
30600981	5315
30601001	519
30601271	519
30601691	519
30677435-001	909
30682592-001	234
30900310	1217
30900361	778A
30900363	778A
30900380	788
30900400	1214
31210049-00	160
31210077-44	160
31210240-33	160
31210240-44	160
31210471-11	160
31210506-11	160
31210506-22	160
31220054-00	102A
32510001	116
32600025-01-08A	123A
34002412	903
34002412-3	903
34621786-1	519
35003516	290A
35024712	197
35024812	292
35026712	254
35047216	85
35050411	198
35050412	198
35053212	85
35062712	198
35063412	375
35065911	293
35120718(SGD)	458
35393060-01	123A
35393060-02	123A
35393060-03	123A
35500295-1002	1750
35900206	91
35900306	45
35901207	43
35901805	91
35901806	91
35920918	374
35922902	381
35940106	42
35940206	90 ♦
35943312	107
35944012	399
35944402	85
35944502	107
35947405	90
35947406	90
35960706	382
35960918	373
35963111	291
35963112	291
35964202	380
35990627	451
36001009	519
36001010	519
36001200	128
36002513	110MP
36002515	177
36003037	5018A
36003094	5016A
36003157	5010A
36107094	116
36107167	558
36171000	106
36171100	123A
36186200	9157
36188000	7475
36188700	74H00
36771100	124
36901024	601
36902020	142A
36902027	5024A
36902051	5802
36902057	5313
36905002	5079A
36905009	5030A
36905012	5022A
37000918	109
37001003	1047
37001009	712
37001011	712
37001034	1483
37002001	1046
37003001	1089*
37003020	1416
37004001	1048
37006001	1077
37007001	1076
37007014	1483
37008002	1091*
37009006	1086
37009010	1550
37051036	4066B
37051100	4030B
37051310	4011B
37051378	4053B
37246602	177
37246711	177
37275350	177
37568200	506
37568250	506
37568800	116
37582000	506
37901038	1510
37901040	1464
37901042	1281
37902021	1488
37902023	1214
37902027	1489
38005003	601
38970300	123A
39126500	941
40306312	748A
40306400	749
40306604	1109
40760211-002	5695
40760211-P2	5695
41013566	116
41020618	116
41020687	156
41021007	116
41023224	116
41023225	116
41025773	125
41025849	116
41027063	116
41027612	109
41027613	109
41027991	125
41027992	109
41029009	109
41029089	125
41029290	109
41029498	5084A
41029499	116
41030618	156
41520419	116
41522875	110MP
41527380	109
41529814	110MP
41622859	177
41624836	109
41629338	177
42020200	140A
42020414	140A
42020737	140A
42023425	143A
42024925	5071A
42027065	5188A
42027092	5075A
42028106	144A
42029566	143A
42031258	138A
42031260	5079A
42032820	147A
42132947	5304
43020418	121MP
43020731	128
43021017	123A
43021067	107
43021083	123A
43021168	129
43021198	128
43021415	128
43022055	160
43022134	312
43022458	159
43022577	121
43022860	107
43022861	123A
43023190	181
43023212	123A
43023221	123A
43023222	129
43023223	128
43023843	130
43023844	123A
43023845	159
43024216	130
43024218	184
43024219	185
43024225	312
43024306	190
43024833	126A
43024834	126A
43024859	199
43024873	199
43024879	128
43024880	129
43024972	123A
43025055	123A
43025056	123A
43025059	123A
43025538	199
43025539	192
43025620	160
43025972	123AP
43026284	188
43026285	189
43027213	152
43027214	152
43027243	123AP
43027244	159
43027379	123A
43027571	186
43027614	108
43027615	108
43027616	108
43027617	108
43027618	107
43027619	106
43027620	123A
43027722	159
43027987	152
43029037A	259
43029038A	260
43029471	233
43029472	233
43029483	199
43029484	297
43029485	298
43029486	300
43029710	196
43029832	172A
43031262	153
43033345	199
43040313	128
43122874	726
43126551	722
43126551-A	722
43128071	801
43129341	788
43129350	789
43129354	1049
43131243	4016B
43132954	972
43132955	971
43134371	4016B
43134372	74C04
43134374	74C42
43134671	4016B
43200103	109
43300203	109
43500501	5016A
43540012	116
43600101	116
44007301	108
44008401	108
44011001	123A
44079004	199
44089001	107
44090004	123A
44211001	158
44436001	186A
46156741P1	941
46156741P2	941D
48134666	123A
48134842	123A
48137195A	159
48220130-40385	131 +155(CP)
48869715	181
48900456A16	5011A
50200010	519
50210104	123A
50210300-00	123A
50210300-00 VF	123A
50210300-01	123A
50210300-01 VF	123A
50210300-11	123A
50210310-10	123A
50210310-10 VF	123A
50210310-11	123A
50210400-00	159
50210400-00 VF	159
50210400-01	159
50210400-01 VF	159
50210510	123A
50210600-00 VF	159
50210600-01	159
50210600-01 VF	159
50210600-03	159
50210610-10	159
50210610-13	159
50210700-00	199
50210700-00 VF	199
50210700-01 VF	199
50210700-10	199
50210710-10 VF	199
50210800-00	123A
50210800-01	123A
50210800-01 VF	123A
50210800-02	123A
50210800-02 VF	123A
50210800-10	128
50210800-11	123A
50211210	159
50211300-00	106
50211300-00 VF	106
50211300-01	106
50211300-10	106
50211400-00	234
50211400-01	234
50211410-10	234
50211410-11	234
50211500	159
50211500-01	159
50211500-01 VF	159
50211510-10	159
50211510-10 VF	159
50211510-11	159
50211600-00	106
50211600-00 VF	106
50211600-01	106
50211600-02	106
50211600-02 VF	106
50211600-10	106
50211600-12	106
50211610-10	106
50211610-12	106
50211900	128
50212100	159
50220601	175
50220602	175
50221300-01	130
50221400-01	218
50221800	152
50221800-01	152
50251300	941
50254200	7406
50254400	915
50254600	74S00
50254700	74S10
50254900	74S20
50255000	74S113
50613800	923
51003059	123A
51003092	123A
51003108	159
51010422A02	718
51120010	159
51122245	123A
51122870	128
51122880	128
51126540	175
51126850	130
51161325	159
51310000	9932
51310001	9933
51310002	9936
51310003	9944
51310004	9946
51310005	9948
51310006	9962
51310007	9094
51320000	7400
51320001	7402
51320002	7404
51320003	7410
51320004	7420
51320005	7440
51320006	74170
51320008	7472
51320009	7403
51320010	7426
51320011	7430
51320012	7400
51320016	7451
51320017	7405
51320018	7486
51330005	7408
51565600 VF	123A
51577500	9930
51577600	9932
51577700	9933
51577800	9944
51577900	9946
51578000	9948
51578100	9962
51581300	123A
51624200	9944
51631000	519
51715100	910D
51717000	9094
51717100	9097
51720020	185
51753300	910
52335500	7495
52335600	74H04
52335600HL	74H04
52335700	74H20
52335800	74H50
52335800HL	74H50
52335900	74H74
52335900HL	74H74
53015201	156
54967774-P5	102
55310007-115	139A
55330007-001	507
55335005-001	5870
55430001-001	159
55430028-001	218
55440007-001	123
55440011-001	108
55440023-001	108
55440043-001	123
55440048-001	123A
55440063-001	128
55440087-001	130
55440091-001	130
55440111-001	107
55460014-001	312
55517007	159
56301500	123A
56301600	159
57000901-504	123A
57276605	105
57279005	105
57279007	105
57279009	105
57279011	105
57279017	105
57279025	105
57279027	105
57279037	105
57279073	105
57279076	105
57279293	105
57279298	105
57279566	105
57279793	105
57280281	105
57282315	105
57288072	105
57288073	105
57288076	105
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1520579001	5075A
1520759001	138A
1520839001	5010A
1520889001	135A
1520899001	139A
1520909001	138A
1520939001	139A
1520989001	5010A
1522210111	102A
1522210131	126A
1522210300	102A
1522210921	126A
1522211021	126A
1522211200	102A
1522211221	102A
1522211328	102A
1522211921	160
1522214400	160
1522214411	126A
1522214435	126A
1522214821	126A
1522214831	160
1522216500	102A
1522216600	126A
1522217400	160
1522223720	123A
1522270100	109
1522270101	109
1523270105	116
1540049001	613
1610419828A	85

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
1610690536	107
1611819064	123A
1652990020	156
1660999024A	5031A
1679003608	1003
1715223003	2408
1715510001	1703
1720249001	165
1720389001	295
1720389002	235
1720449001	152
1720509001	297
1720529001	297
1760089001	123A
1760099001	123AP
1760489002	289A
1760579001	123AP
1760589001	123AP
1760609001	107
1760609002	107
1760609003	123AP
1760609004	123AP
1760629001	199
1760659001	229
1760749001	229
1760819002	107
1760829001	107
1760929002	297
1770079001	159
1770099001	159
1770209001	294
1770409001	159
1820379001	453
1820559001	312
2002010061	7493A
2002010072	7473
2002100022	1004
2002110206	712
2002110269	1236
2002110332	1668
2002120012	749
2002120022	1004
2002120033	1080
2002120046	1522
2002120051	1545
2002120067	1413
2002120078	1128
2002220139	5019A
2002300012	1245
2002300029	1550
2002300033	1471
2002500711	715
2002500812	714
2002500914	790
2002501006	714
2002501300	791
2002501708	1196
2002502202	1296
2002502317	1589
2002600122	615A
2002600149	615A
2002600183	1546
2002600213	1742
2002700044	1409
2002700101	1746
2002800034	941M
2002800047	987
2002800052	987
2002800133	943M
2002800146	943M
2002900042	2074
2003028813	65
2003037227	123A
2003037309	199
2003038092	107
2003038208	319P
2003038812	233
2003038829	85
2003039227	123A
2003049501	295
2003049519	295
2003049526	295
2003049614	295
2003051513	124
2003053527	107
2003055813	163A
2003064314	238
2003073309	199
2003073517	289A
2003082823	199
2003082837	199
2003082840	199
2003082899	199
2003087227	123A
2003094515	85
2003094516	85
2003094522	85
2003094536	85
2003094554	85
2003094560	85
2003102529	175
2003110607	94
2003117004	238
2003117044	238
2003121216	184
2003134410	199
2003134427	199
2003144746	198
2003144795	198
2003145404	94
2003150702	198
2003150710	198
2003150727	198
2003151428	376
2003151432	376
2003162538	291
2003162700	128
2003172208	376
2003172216	198
2003172305	198
2003173009	107
2003173017	107
2003174006	85
2003174014	85
2003174021	85
2003174105	85
2003174113	85
2003181508	85
2003181516	85
2003181523	85
2003181537	85
2003184100	90
2003184502	90
2003185506	108
2003189025	90
2003189039	90
2003189074	159
2003189109	165
2003189304	165
2003190604	107
2003194135	399
2003195906	85
2003195914	85
2003200100	85
2003200118	85
2003200125	85
2003200320	85
2003206300	376
2003206800	376
2003206818	376
2003207306	375
2003212007	289A
2003212015	289A
2003222907	399
2003222915	399
2003223000	399
2003223018	399
2003223039	399
2003223312	375♦
2003223606	382
2003223614	382
2003237331	379
2003238316	31
2003238323	31
2003245819	85
2003245826	85
2003245830	199
2003245843	199
2003246703	107
2003248119	373
2003248126	373
2003248217	399
2003251204	229
2003261019	399
2004000602	290A
2004047310	153
2004049081	153
2004049514	159
2004050917	290A
2004056215	290A
2004056260	290A
2004060858	159
2004060864	159
2004067350	290A
2004073315	290A
2004073322	290A
2004073336	290A
2004073354	290A
2004073517	289A
2004074304	185
2004082606	159
2004082614	290A
2004084428	129
2004085415	290A
2004085422	290A
2004093316	290A
2004093323	290A
2004094001	398
2004095005	290A
2004095013	290A
2004095210	290A
2004095227	290A
2004101500	290A
2004101512	290A
2004101518	290A
2004101525	290A
2004104814	290A
2004104821	290A
2004302210	158
2004305600	102A
2004305618	102A
2004341519	158
2004356122	159
2004356220	288
2004356234	294
2004356801	292
2004502439	124
2004503018	103A
2004546819	293
2004546826	293
2004546830	293
2004547806	291
2004547814	375
2004556826	287
2004566726	382
2004568902	89
2004581809	389
2004586902	89
2004587002	89
2004588016	152
2004589802	89
2004590007	89
2004613904	375
2004700116	233
2007100149(SGD)	459
2007100154	459
2007100171	458
2007100213	459
2007100220	459
2007110000	222
2007110109	222
2007110124	455
2007110138	455
2007200000	6402
2008000001	109
2008000019	110MP
2008000026	109
2008000064	109
2008010028	177
2008010094	519
2008010102	605A
2008010110	519
2008010127	177
2008010131	177
2008010188	177
2008100027	116
2008100076	506
2008100093	125
2008100130	116
2008110103	552
2008120009	552
2008120017	552
2008120056	552
2008130040	506
2008130084	116
2008130171	506
2008130252	552
2008220490	5021A
2008220531	5024A
2008220698	5009A
2008220703	5009A
2008220851	5019A
2008220895	5013A
2008220970	5010A
2008220997	5011A
2008221048	5014A
2008230039	135A
2008230042	5070A
2008230057	5071A
2008300017	612
2008300056	616
2008310017	616
2008310019	612
2008310058	612
2008310064	616
2008310092	612
2008310163	613
2008400055	553
2008400061	112
2008400072	553
2008600011	112
2008600028	112
2008600032	112
2009020019	116(3)
2009120059	125
2009120101	116
2009120158	116
2009120187	116
2009120209	116
2009120224	552
2009120241	125
2009120262	552
2009130017	125
2009130075	125
2009130100	125
2009130118	552
2009700063	503
2012000092	109
2012000100	109
2012000118	109
2012010028	177
2012010127	519
2012010144	519
2012010159	519
2012010165	177
2012010176	552
2012010119	558
2012100126	116
2012100158	552
2012100164	558
2012110103	552
2012120009	552
2012120038	552
2012120056	552
2012130234	552
20122220030	5013A
2012220139	5019A
2012220368	5024A
2012220456	5013A
2012221294	5024A
2012230042	5070A
2012230091	5020A
2012230109	142A
2012230312	142A
2012400037	177
2012400040	177
2012400061	553
2013120208	116
2013120216	116
2013120223	125
2013120255	552
2013120313	116
2013120334	552
2013130109	125
2102100042	788
2102400196	778A
2102400203	778A
2103000510	107
2103000649	199
2103100044	107
2103100353	199
2103100661	152
2104000536	43
2104000602	290A
2104500163	152
2108200251	5024A
2108200267	5022A
2109100008	116
2109100055	125
2290180119	108
2295100224	108
2295100225	108
2295100226	108
2295100227	160
2295100228	108
2295100232	117A
2295100233	125
2295100234	117A
2295100235	117A
2302250002	2V150
2307890127	605A
2791012150	123
2791012153	102
3017148002	5424
3071339004	1192
3071439003	1278
3121004900	160
3121007744	160
3121024033	160
3121024044	160
3121047111	160
3121050611	160
3121050622	160
3122005400	102A
3520743010	159
3539306001	123A
3539306002	123A
3539306003	123A
3618370001	649
4004056260	290A
4004085415	290A
4004095210	290A
4020427909	613
4100006285	290A
4100007332	290A
4100007333	290A
4100008444	129
4100105440	294
4100106219	294
4100108240	378
4100204602	85
4100204603	85
4100204612	85
4100204613	85
4100204643	233
4100205352	107
4100208283	229
4100208292	229
4100208293	229
4100209005	199
4100209452	85
4100209453	85
4100213354	199
4100213421	107
4100213422	229
4100213591	85
4100217172	289A
4100218415	90
4100218532	85
4100218533	85
4100218544	85
4100230420	2308
4100302889	196
4100304000	382
4100305914	199
4100305915	199
4100305929	85♦
4100307694	85
4100400553	312
4100401010	5402
4100406560	5402
4100700130	46
4100794348	123AP
4100796330	123AP
4100803280	159
4100900102	123AP
4100900103	123AP
4100900104	123AP
4100900116	199
4100903554	297
4100905254	298
4100907633	107
4100929550	126A
4100930550	130
4100965510	49
4100965540	50
4100990130	123AP
4100990136	123AP
4101490420	287
4101500553	312
4101500554	312
4102100220	102A
4104007193	290A
4104007380	185
4104103242	158
4104204602	107
4104204603	107
4104204612	107
4104204613	229
4104206440	123A
4104206442	199
4104208282	199
4104208283	199
4104213173	289A
4108296047	108
4108296237	123A
4108296238	123A
4108296255	229
4108296257	229
4109208284	123A
4109213174	289A
4109213354	199
4120100000	177
4120100600	109
4120100640	109
4120100900	109
4120120760	177
4120120900	109
4120129000	109
4120141480	519
4120200600	109
4120200602	110MP
4120300150	613
4120326380	611
4120420760	519
4120421392	611
4120427900	614
4120427909	613
4120500125	5021A
4120500155	5024A
4120500622	5013A
4120500625	5013A
4120501200	5021A
4120900010	177
4120901620	601
4120910010	116
4121200051	5069A
4129100000	177
4129100600	109
4129100602	110MP
4129104002	116
4129200602	110MP
4129501200	142A
4130060010	552
4130100012	116
4130100015	125
4130100502	156
4130101011	116
4130104002	116
4130800060	5329
4130800602	5313
4131000220	6240
4138104002	116
4139104002	116
4150002031	1054
4151011613	1489
4152000150	1027
4152004590	1330
4152032010	1179
4152056300	615A
4154011370	788
4154011510	1237
4154011560	801
4154011970	1214
4154013380	1030§
4154112110	1486
4157013102	801
4159072032	1154
4159455801	778A
4159761157	801
4202003173	116
4202003200	156
4202003500	109
4202003700	506
4202003900	506
4202005000	113A
4202005600	110MP
4202006100	177
4202006200	177
4202006500	116
4202006700	506
4202006800	116
4202007600	116
4202007601	506
4202007700	506
4202007800	125
4202007801	506
4202007802	116
4202007900	113A
4202008000	116
4202008500	116
4202008600	109
4202008700	125
4202009200	5077A
4202009400	119
4202010100	177
4202011200	5074A
4202011300	5071A
4202011400	5071A
4202011500	5074A
4202011900	5077A
4202012000	5077A
4202012501	5074A
4202012700	145A
4202012800	5077A
4202013300	5085A
4202013600	519
4202014400	506
4202014500	116
4202014600	506
4202015100	506
4202015600	177
4202016200	177
4202017200	125
4202017600	116
4202018500	116
4202018700	177
4202019400	5143A
4202019500	5085A
4202020100	5070A
4202020300	125
4202020500	506
4202020900	506
4202021000	116
4202021100	156
4202021700	137A
4202021900	177
4202022300	506
4202022500	177
4202022700	177
4202022900	525
4202023000	506
4202023100	116
4202023400	116
4202024200	138A
4202093599	110MP
4202104170	167
4202104470	125
4202104570	506
4202104770	102A
4202104870	506
4202105470	138A
4202106270	505
4202106970	506
4202107370	503
4202107470	519
4202107570	504
4202107670	519
4202107970	506
4202108070	505
4202108170	505
4202108270	116
4202108570	5080A
4202109070	5074A
4202109170	177
4202109370	125
4202109371	125
4202110270	506
4202110470	552
4202110770	552
4202110870	5074A
4202114970	506
4202115770	506
4202115990	116
4202116670	5074A
4202116870	552
4202117170	506
4202117370	552
4202117470	5022A
4202117570	5022A
4202970330	145A
4203008000	506
4203970100	85
4203970101	199
4203970340	126A
4203970350	126A
4203970360	126A
4206002300	1004
4206002400	1004
4206002600	1080
4206002900	1080
4206003900	1080
4206004000	712
4206004200	1094
4206004300	1121
4206004400	1004
4206004600	712
4206004700	1122
4206004800	1122
4206004900	1122
4206005200	1159
4206007200	1094
4206007300	1121
4206007500	1158
4206009100	1183
4206009200	738
4206009700	738
4206009800	1178
4206012500	1216
4206104970	712
4206105170	749
4206105370	1109
4206105470	712
4206105470(IC)	712
4206105770	712
4206105870	712
4206107870	1186
4206107970	1187
4206970020	2001
4206970091	1103
4360021001	123A
4800144294(BCE)	290A
4800155035	290A
4800155039	109
4800155047	519
4800155059	198
4800155060	519
4800155073	85
4800155077	519
4800155093	85
4800155094	85
4800155144	615A
4800155146	5013A
4800155166	5071A
4800155172	19
4800155177	116
4800155179	552
4800155222	399
4800155258	519
4800155267	5633
4800155293	16
4800155294	19
4800155295	5014A
4800155296	552
4800155307	85
4800155322	3074
4800155329	199
4800155330	145A
4800155343	19
4800155349	145A
4800155364	293
4800155365	85
4800155372(BCE)	85
4800155380	290A
4800155400	16
4800155401	16
4800155402	16♦
4803101109-02	121
5147013102	801
5300731044	136A
5300731045	5014A
5301021180	5077A
5301480003	506
5301481003	506
5301511001	552
5301511002	552
5301511003	552
5301511004	552
5301571100	5019A
5301571110	5020A
5301571120	5021A
5301571131	5053A
5301571150	5024A
5301571160	5025A
5301571180	5027A
5301571200	5029A
5301571220	5030A
5301571249	5000A
5301571330	5036A
5301571399	5007A
5301571439	5008A
5301571569	5011A
5301571629	5013A
5301571689	5014A
5301571829	5016A
5301571919	5018A
5301710001	116
5301710003	116
5301711001	116
5301711002	116
5301711003	116
5301790001	177
5301790002	177
5301790003	177
5301791001	177
5301810001	519
5301811001	519
5301811002	519
5301811003	519
5301840001	506
5301840002	506
5301841001	506
5301921100	140A
5301921101	5096A
5301921110	5074A
5301921111	151A
5301921120	142A
5301921121	5097A
5301921130	143A
5301921131	5098A
5301921150	145A
5301921151	5100A
5301921160	5075A
5301921161	5101A
5301921180	5077A
5301921181	5103A
5301921200	5079A
5301921201	5105A
5301921220	5080A
5301921240	5081A
5301921270	146A
5301921300	5084A
5301921330	147A
5301921339	5066A
5301921360	5085A
5301921369	134A
5301921390	5086A
5301921399	5067A
5301921430	5087A
5301921439	5068A
5301921470	5088A
5301921479	5069A
5301921510	5089A
5301921519	135A
5301921560	5090A
5301921569	136A
5301921620	149A
5301921629	137A
5301921680	5092A
5301921689	5071A
5301921750	5093A
5301921759	138A
5301921820	150A
5301921829	5072A
5301921910	5095A
5301921919	139A
5301950004	616
5301950005	616
5301980001	5342
5302050001	555
5302050002	555
5302050003	553
5302050004	553
5302050005	555
5302051003	553

♦, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
5302390011	125
5302390019	5010A
5302390020	552
5302390021	552
5302390022	116
5302390023	116
5302390024	156
5302390025	552
5302390026	552
5302390027	515
5302390028	525
5302390029	552
5302390030	5022A
5302390031	5161A
5302390032	5030A
5302390033	5006A
5302390043	116
5302390057	2V150
5302390124	586
5302390155	586
5302390187	590
5302460001	167
5302471001	112
5302491519	5010T1
5302491629	5013T1
5302511001	519
5302511002	519
5302521001	177
5302521002	177
5302531001	5099A
5302531004	140A
5302531005	5079A
5302531006	142A
5302531007	5097A
5302531008	5082A
5302531010	5096A
5302531012	5094A
5302531013	135A
5302531014	142A
5302540027	5107T2
5302541001	5047A
5302541002	5050A
5302541003	5029A
5302541004	5031A
5302541005	5048A
5302541006	5019A
5302541007	5019A
5302541010	5055A
5302541011	5021A
5302541012	5011A
5302541013	5052A
5302541014	5006A
5302541015	5032A
5302541016	5033A
5302541017	5007A
5302541018	5024A
5302541019	5008A
5302541020	5052A
5302541021	5022A
5302541024	5020A
5302541026	5015A
5302541027	5107T2
5302541029	5028A
5302541031	5029A
5302541032	5005A
5302541033	5035A
5302541035	5046A
5302541036	5027A
5302541037	5035A
5302541038	5016A
5302541039	5013T1
5302541040	5010A
5302541045	5015A
5302551001	116
5302560003	125
5302560005	125
5302561002	125
5302600001	580
5302600002	580
5302601001	580
5302601002	580
5302610001	552
5302611001	552
5302620001	125
5302621001	125
5302630001	552
5302641001	580
5302660001	177
5302661001	177
5302670001	552
5302670002	552
5302671002	552
5302680001	519
5302681001	519
5302700001	556
5302710001	125
5302710002	125
5302710003	125
5302710004	125
5302711001	125
5302751001	525
5302751002	525
5302751003	525
5302771001	109
5302780009	5116A
5302780010	5127A
5302781001	5134A
5302781002	5130A
5302781003	5116A
5302781004	5127A
5302781005	5116A
5302781007	5135A
5302801001	5152A
5302810001	125
5302840001	5314
5302850001	3017
5302870001	3043◆
5302880001	615A
5302900001	558
5302900002	558
5302910001	500A
5302910002	522
5302910003	522
5302910004	522
5302910005	522
5302910006	522
5302911007	522
5303000001	3041
5303020002	5011T1
5303020003	5021T1
5303021002	5011T1
5303021003	5021T1
5303021006	5019T1
5303050001	580
5303050002	580
5303050003	580
5303051002	580
5303051003	580
5303060001	5802
5303060002	5804
5303060003	5806
5303060004	5808
5303060005	5809
5303100001	580
5303100002	580
5303100003	580
5303101003	580
5303130003	553
5308720001	523/3306
5308720002	523/3306
5308720003	526A
5308720004	523/3306
5308720005	523/3306
5308720006	523/3306
5308720007	526A
5308720008	526A
5308720009	523/3306
5310200010(ECB)	288
5310200051	290A
5310200053	290A
5310200102	290A
5310200141	85
5310200142	85
5310200210	85
5310200311	289A
5310200482	376
5310200810	399
5310200875	162
5310200901	376
5310200902	376
5310200910	399
5310200920	399
5310200930	375
5310200940	289A
5310200950	389
5310400011	398
5310400030	94
5310400050	375
5310400090	396
5310400100	389
5320200050	712
5320200150	1545
5320200160	1532
5320200170	1496
5320500100	984
5320500120	1174
5320600070	797
5329500060	712
5340100010	109
5340200040	177
5340200070	506
5340200080	552
5340200430	519
5340200591	552
5340200601	177
5340200722	125
5340200723	109
5340200724	558
5340200741	125
5340200901	552
5340200902	552
5340200950	552
5340300230	5016A
5340300350	5022A
5340300370	5013A
5340300380	137A
5340300450	5013A
5391200200	586
5391300230	591
5391300240	590
5391500051	586
5391500350	586
5430200600	177
5430200721	116
5700045452	123
5810200911	399
6100830001	159
6100830002	159
6100830006	159
6100839001	159
6100839002	159
6100940001	123AP
6100940002	123AP
6100940003	47
6100940004(EBC)	199
6101310001	210
6101310002	210
6101390001	229
6101460001	194
6101460003	194
6101460005	194
6101480002	123AP
6101480003	194
6101480004	194
6101489003	194
6101490004	152
6101490005	153
6101490006	152
6101490007	153
6101490008	152
6101490010	152
6101500001	123AP
6101500002	123AP
6101500003	123AP
6101580002	159
6101580003	159
6101580004	159
6101620002	188
6101620003	50
6101620005	153
6102030008	222
6102130001	128
6102230001	159
6102239001	159
6102240001	123AP
6102249001	123AP
6102260001(EBC)	199
6102260002	47
6102260003	47
6102260004	47
6102260006	47
6102270001	50
6102270002	50
6102270003	50
6102280001	49
6102280002	49
6102280003	49
6102280004	49
6102280005	49
6102320001	123AP
6102320002	123AP
6102329001	123AP
6102329002	123AP
6102460001	159
6102460002(BEC)	395◆
6102461001(BEC)	395◆
6102500001	171
6102500002	171
6102500003	171
6102930001	162
6102930002	162
6102940001	123AP◆
6102940002	123AP◆
6102940003	123AP◆
6103510001	454
6103511001	454
6103600001	288
6103600002	288
6103610001	50
6103610002	50
6103692002(CBE)	159
6103692003(CBE)	159
6103692004(CBE)	159
6103900001	395
6103902001	395
6103909001	395
6103920001	238
6103920002	238
6103923003	238
6103924004	238
6103950001	54
6103950002	55
6103950003	54
6103950004	55
6103990001	454
6103991001	454
6104000001	229
6104180001	455
6104190001	69
6104190002	69
6104190003	69
6104200001	69
6104200002	69
6104210001	331
6104210002	332
6104210003	331
6104210004	332
6104210005	331
6104210006	332
6104210007	331
6104210008	332
6104270001	49
6104270002	49
6104270003	49
6104280001	49
6104280002	49
6104330001	2300
6104330002	2318
6104330003	2300
6104330004	2300#
6104330005	2302
6104331001	2300
6104340001	234
6104340001(CBE)	159
6104340002(CBE)	159
6104340003(CBE)	159
6104342001(CBE)	159
6104349001(CBE)	159
6104350001(CBE)	123AP
6104350002(CBE)	199
6104350003(CBE)	123AP
6104350004(CBE)	123AP
6104352001(CBE)	123AP
6104352002(CBE)	199
6104359001(CBE)	123AP
6104359002(CBE)	199
6104370001	287
6104380001(ECB)	187A
6104400023	552
6104400031	2356◆
6104400032	2357
6104400055	2414
6104400056	2418
6104410001	159
6104420001	319P
6104420003	319P
6104430001	48
6104440001	89
6104470001	319P
6104490001	159
6104500001	123AP
6104500002	199
6104510002	159
6104510003	159
6104530001	455◆
6104550001	153
6104560002	123AP
6104570001	152
6104570002	196
6104570003	196
6104580003	123AP
6104600001	159
6104620001	186
6104620002	186
6104620003	186
6104620005	186
6104630001	238
6104630002	238
6104631001	238
6104631002	238
6104640001	159
6104650001	123AP
6104680001	228A
6104710001	171
6104730001	238
6104740001	123AP
6104750001	159
6104760001	397
6104770001	386
6104790001	287
6104800001	194
6104820001	159
6104860001	123AP
6104870001	159
6104880001(ECB)	399
6104890001	193
6104980001(CBE)	159
6104980002(CBE)	159
6104990001(CBE)	123AP
6104990002(CBE)	123AP
6104990003(CBE)	123AP
6104990004(CBE)	123AP
6105000001(CBE)	123AP
6105000002(CBE)	123AP
6105000003(CBE)	123AP
6105000004(CBE)	199
6105009001(CBE)	123AP
6105009004(CBE)	199
6105050001(CBE)	159
6105050002(CBE)	159
6105090001	238
6105110001	47
6105112001	47
6105119001	47
6105120001	331
6105170001	2310#
6105170002	2310#
6105180001	46
6105250001	263
6105260001	294
6105269001	294
6105270001	383
6105270002	383
6105270003	383
6105272001	383
6105272002	383
6105272003	383
6105280001	374
6105280002	374
6105280003	374
6105292001(CEB)	229
6105300001(ECB)	288
6105310001	198
6105320001	2315
6105320002	2315
6105320003	2315
6105330001	51
6105340001	457
6105350001	382
6105350002	382
6105350003	382
6105352001	382
6105380001	47
6105380002	47
6105382002	47
6105389002	47
6105390001	54
6105400001	2310
6105410001	2300#
6105420001	268
6105420002	268
6105440001	229
6105441001	229
6105450001	128P
6105452001	128P
6105460001	129P
6105462001	129P
6105470001	288
6105480001	379
6105510001	51
6105520001	31
6105530001	32
6105540001	399
6105570001	253
6105580001	216
6105610001	2315
6110130001	5351
6110130002	5351
6110130003	5351
6110140001	5400
6110140002	5401
6110140003	5400
6110140004	5400
6110140005	5400
6110140006	5404
6110140007	5404
6110140008	5400
6110150001	5404
6110160001	5351
6110160002	5424
6110161002	5424
6110180001	5466◆
6110180002	5468◆
6110190001	56008
6110190002	56008
6110190003	56010
6110191001	56008
6110191002	56008
6110191003	56010
6120480001	941M
6120480002	941M
6120480003	976
6120480004	976
6121030001	966
6121030002	968
6121030003	960
6121030004	972
6121030005	966
6121070001	972
6121070002	972
6121070003	960
6121070004	960
6121270001	941M
6121590001	7406
6121860001	4016B
6121890001	857M
6121890002	857M
6121970001	74LS365A
6121970002	74LS365A
6122450001	74LS123
6122450002	74LS123
6122720001	1174
6122750001	829
6122820001	1566
6122850001	1292
6122850002	928M
6122850003	928M
6122890001	4070B
6122940001	851
6122990001	1439
6123030001	1416
6123040001	1445
6123050001	1231A
6123050002	1231A
6123080001	74LS73
6123180001	2203
6123270001	1566
6123280001	1632
6123281001	1632
6123290001	1567
6123300024	1616
6123300027	1413
6123300132	1741
6123300138	1714S
6123300183	1692
6123300213	1740
6123310001	820
6123310002	820
6123320001	1374
6123320002	1374
6123320003	1374
6123320004	1374
6123320005	1376
6123320006	1374
6123340001	797
6123350001	4094B
6123360001	865
6123370005	866
6123380002	822
6123380003	822
6123390001	1413
6123420001	2200
6123470002	821
6123490002	2201
6123500001	4011B
6123510001	712
6123520001	848§
6123540001	740A
6123590001	857M
6123600001	960
6123620001	1231A
6123620002	1231A
6123621002	1231A
6123630001	852
6123630002	852
6123630003	852
6123630004	852
6123630005	852
6123670001	965
6123700001	1580
6123700002	1580
6123701001	1580
6123720001	74LS27
6123800001	4066B
6123800002	4066B
6123840001	74LS174
6123850001	74LS42
6123960001	4081B
6123970001	40161B
6123990001	977
6124150001	1652
6124151001	1652
6124160003	2202
6124180001	2206
6124190001	2204
6124200001	2205
6124330001	2114
6124370001	2128
6124380001	1416
6124440001	1754◆
6124450001	1632
6124451001	1632
6124480001	960
6124490001	1752
6124500001	1762
6124500002	1761
6124550001	74LS14
6124600001	2023
6124640001	923D
6124660001	943M
6124740001	4052B
6124750001	4001B
6124790001	960
6124790003	964
6124790004	966
6124790005	968
6124790006	958
6124790007	972
6124800001	859
6124890001	1744
6124920001	2013
6124930001	4053B
6124940001	778A◆
6124960001	1655
6124961001	1655
6125040001	1219◆
6125140001	2164
6125250001	1917
6125250002	1903
6125250003	1905
6125270001	4051B
6125300001	7407
6125330001	74LS09
6125340001	74LS156
6125350001	859
6125351001	859
6125460001	2085
6125460002	2087
6125480001	74LS244
6125660001	4002B
6125690001	849
6125700001	701
6126710001	960
6126710002	964
6126710003	966
6126710004	968
6190000080	16
6190000210	13
6190000290	91
6190000340	18
6190000433	2355
6190000460	2357
6190000461	2416
6190000470	2359
6190001470	16
6190001520	15
6190002050	2357
6190090011	2408
6190090013	2408
6190090180	2408
6190090190	2406
6190090191	2406
6190090210	2405
6190090220	2405
6190090221	2405
6190090290	2406
6190090320	2419
6190100010	395
6190100047	374#
6190100120	2417
6190100121	2358
6190100151	2356
6190100152	2356◆
6190100460	234
6190100470	290A
6190100480	374#
6190100481	374#
6190100482	374#
6190100490	159
6190100500	234
6190100520	290A
6190100540	17◆
6190100550	17
6190100560	17
6190100570	398
6190100580	290A
6190100581	290A
6190100590	290A
6190100600	374
6190100610	383◆
6190100620	290A◆
6190100630	290A
6190100640	91
6190100790	2358
6190100820	153
6190100830	292
6190100831	292
6190100840	294
6190100850	398
6190100860	281
6190100940	19
6190100950	19
6190101250	2407
6190101260	12
6190101261	12
6190101860	2360
6190190060	2409
6190190070	2407
6190190071	2407
6190190180	2409
6190190181	2409
6190190190	2429
6190190200	2411
6190700021	3120
6192000560	1714S
6192000630	1339
6192000650	1730
6192000730	1423
6192000740	1424
6192020230	1725
6192080010	1712
6192080050	1713
6192100180	928S
6192100280	1718
6192120020	1688
6192120190	1738
6192140010	1553
6192140080	960
6192140100	960
6192140200	1729
6192140210	1678
6192180060	1710
6192180070	1711
6192180340	1682
6192240040	1701
6192240050	1630
6192240230	1700
6192240310	1716
6192260021	1689
6192280010	1702
6192280020	1703
6192280030	1314
6193000100	1717
6193140010	1715
6193240030	1745
6194010021	1705
6194040010	1709
6391100060	519
6611000900	506
6611001000	506
6611001100	552
6611001200	506
6611001300	116
6611001500	116
6611001501	116
6611001700	116
6611001800	116
6611002300	506
6611002700	558
6611003000	502
6611003200	177
6611003300	525
6611003500	558
6611003600	558
6611003601	552
6611003602	116
6611003701	125
6611004601	552
6611004602	552
6611004803	552
6611005100	5304
6611007300	116
6611063700	125
6612004000	109
6612005800	177
6612005900	177
6612006000	177
6612006001	177
6612006101	552
6612008900	109
6612009000	109
6612009002	109
6613002200	506
6615000100	5013A
6615000101	5013A
6615002601	5021A
6615002603	5013A
6615005000	5018A
6615005500	5082A
6615005600	5025A
6621000100	199
6621000200	375
6621000600	389
6621000601	389
6621000700	376
6621000701	376
6621001000	199
6621001100	124
6621001400	94
6621001401	94
6621001500	376
6621001800	198
6621001900	198
6621002000	286
6621002300	162
6621002400	238

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
6621002800	291
6621003000	238
6621003100	123A
6621003200	123A
6621003201	287
6621003400	123A
6621003500	289A
6621003501	85
6621003502	85
6621003601	85
6621003701	287
6621003702	399
6621003704	399
6621004000	319P
6621005000	85
6621005001	85
6621005003	85
6621006200	287
6621007200	152
6621008100	289A
6621009100	233
6621009600	238
6621010001	57
6621014601	399
6621015602	399
6621016000	289A
6621016100	289A
6622000100	128
6622000200	175
6622000300	123AP
6622005400	375
6623001100	159
6623001900	290A
6623001902	290A
6623002000	290A
6623002003	290A
6623002026	290A
6623002100	290A
6623002200	290A
6623002300	290A
6623002304	290A
6623002700	398
6623002801	290A
6623002802	290A
6624001100	129
6624002000	159
6624003100	153
6624003200	289A
6631000100	5021A
6631000200	6402
6631100010	5465
6640000200	964
6640000300	968
6640000410	960
6644001100	1128
6644001400	1134
6644001500	1133
6644001700	1131
6644001800	1132§
6644004201	1236
6644004202	1236
6644004301	1196
6644004400	1004
6644012500	1545
6644012602	1532
6644012700	1496
8001100001	519
8001100003	519
8001100005	177
8001200001	123A
8001200004	128
8905313017	109
8905405819	116
8905405822	519
8905421277	139A
8905706076	107
8905706077	107
8905706080	107
8905706137	159
8905706165	106
8905706894	222
8905707314	199
8905707317B	199
8905707327	159
8905707338	298
8905707416	199
8905713124	153 +152(CP)
8905955029	801
9511410100	102A
9511410200	102A
9511410900	102A
9511413500	102A
9511414000	131
9511510200	109
9511511500	125
13480084523	117A
13480084555	117A
13480855512	5190AK
13480855513	5209A
13488240306	116
13488240307	519
13488240308	116
13488240309	177
13488240310	506
13488240311	519
13488240312	506
13488240313	177
13488240314	519
13488240315	177
13488240316	519
13488240317	519
13488240318	519
16000190201	126A
16002190952	290A
16009090545	193
16100190668	108
16101191173	152
16102190693	123A
16102190929	107
16102190930	123A
16102190931	186
16102191327	199
16103190668	108
16103190930	107
16103190931	107
16104190828	85
16104190930	107
16104191168	123A
16104191225	108
16104191226	108
16105190536	123A
16105190828	85
16105191229	128
16106190536	85
16106190537	123A
16108190536	199
16108290536	128
16109190536	199
16109209536	123A
16112190710	107
16116190634	123A
16147191229	123A
16153190945	85
16156197229	128
16171190693	123A
16171190858	123A
16171191368	123A
16172190693	123A
16172190858	123A
16201190022	102A
16201190187	158
16201190457	158
16201190514	153
16201190632	185
16201190405	158
16211190022	158
16212190022	158
16256197228	129
16301190031	302
16301190400	382
16301190439	373
16301191350	199
16301191600	123A
16301197001	123A
16301198000	195A
16301199400	182
16307190632	123A
16343190142	186
16356179229	128
16377190632	123A
16400690060	109
16401190188	109
16405990022	177
16411190188	109
16411992471	519
16411992473	519
16415490000	109
16419990032	109
16461992473	177
16501090016	116
16501190016	116
16505090005	116
16512390001	125
16515991002	116
16516390010	117A
16522375242	116(2)
16522375243	116(2)
16601090082	5016A
16602090100	116
16602990107	5071A
16602995856	140A
16609090024	5031A
16609590220	5030A
16611190553	613
16629291210	116
16660063038	3172
16660063039	3174
16740135809	1024
16799025673	2061§
16799062270	1217
16799062774	1331
16799063089	1227
20252300017	116
20252300018	116
31907100400	159
44202007800	506
57000901504	123A
62170835330	177
70263726001	125
70263738001	159
89054211851	177
134800847274	109
134800849022	177
134800854093	177
134800855216	109
134800855677	5213A
134800863030	109
134800863350	5187AK
134800864205	5190A
134800865539	110MP
134800867716	109
134800868504	5206A
134800868825	5187A
134800868907	5226A
134800869525	123A
134804204101	116
134804290101	121
134804596301	116
134882095301	116
134882095302	116
134882095303	116
134882095304	116
134882137801	5192A
134882137802	5200A
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A3G	123A
A3G1	116
A3G3	116
A3G5	116
A3G9	116
A3H	108
A3H-1	163A
A3H1	125
A3H3	125
A3H5	125
A3H9	125
A3J	199
A3K	199
A3K1	125
A3K3	125
A3K5	125
A3K9	125
A3L	157
A3L4-6001	130
A3L4-6001-01	130
A3M	154
A3M1	125
A3M3	125
A3M5	125
A3M9	125
A3MA	154
A3N	123A
A3N71	108
A3N72	108
A3N73	108
A3P	108
A3R	108
A3S	123AP
A3SB	108
A3T	123A
A3T201	101
A3T202	101
A3T203	101
A3T918	161
A3T929	123A
A3T930	123A
A3T2221	123A
A3T2221A	123A
A3T2222	123A
A3T2222A	123A
A3T2484	192
A3T2894	159
A3T2906	159
A3T2906A	159
A3T2907	159
A3T2907A	193
A3T3011	123A
A3TE120	130
A3TE230	130
A3TE240	130
A3TX003	130
A3TX004	130
A3U	130
A3U-4	130
A3W	123A
A3Y	124
A3Z	123A
A-4	596
A4A	123A
A4A1	116
A4A-1-70	121
A4A-1-705	121
A4A-1A9G	121
A4A5	116
A4A9	116
A4B	199
A4B1	116
A4B5	116
A4B9	116
A4C1	116
A4C5	116
A4C9	116
A4D1	116
A4D5	116
A4D9	116
A4E	107
A4E1	116
A4E5	116
A4E-5	108
A4E9	116
A4F	199
A4F1	116
A4F5	116
A4F9	116
A4G	108
A4G1	116
A4G5	116
A4G9	116
A4H	154
A4H1	125
A4H5	125
A4H9	125
A4i7014	181
A4J	130
A4J BLK	130
A4J RED	130
A4JBRN	130
A4JD3B1	101
A4JRED	130
A4JRED-1	130
A4JX2A822	103A
A4K	184
A4K1	125
A4K5	125
A4K9	125
A4L	103A
A4M	123A
A4M1	125
A4M5	125
A4M9	125
A4N	123A
A4P	123A
A4R	123A
A4S	130
A4S-1	130
A4T	108
A4U	123A
A4V	123A
A4Y-1	107
A4Y-1A	108
A4Y-2	123A
A4Z	130
A-5	595
A5A	196
A5A1	116
A5A-1	184
A5A-1B	152
A5A-2	184
A5A2	116
A5A-3	184
A5A-4	184
A5A5	116
A5A-5	184
A5A9	116
A5A-IB	152
A5B	128
A5B1	116
A5B2	116
A5B5	116
A5B9	116
A5C	123A
A5C1	116
A5C2	116
A5C5	116
A5C9	116
A5D1	116
A5D2	116
A5D5	116
A5D9	116
A5E	188
A5E1	116
A5E2	116
A5E5	116
A5E9	116
A5F	190
A5F1	116
A5F2	116
A5F5	116
A5F9	116
A5FF	190
A5G	184
A5G1	116
A5G2	116
A5G5	116
A5G9	116
A5H	123A
A5H1	125
A5H2	125
A5H5	125
A5H9	125
A5J	108
A5K	123A
A5K1	125
A5K2	125
A5K5	125
A5K9	125
A5L	123A
A5M	123A
A5M1	125
A5M2	125
A5M5	125
A5M9	125
A5N	123A
A5P	123A
A5R	123A
A5S	123A
A5T	191
A5T-1	191
A5T718A	128
A5T918	278
A5T929	123AP
A5T930	123AP
A5T2192	128
A5T2193	128
A5T2222	123A
A5T2222A	128
A5T2243	282§
A5T2484	128
A5T2604	159
A5T2605	159
A5T2907	159
A5T2907A	159
A5T3391	123AP
A5T3391A	123AP
A5T3392	123AP
A5T3496	159
A5T3497	397
A5T3504	159
A5T3505	159
A5T3565	123AP
A5T3571	278
A5T3572	278
A5T3638	159
A5T3638A	159
A5T3644	159
A5T3645	159
A5T3707	123AP
A5T3708	123AP
A5T3709	123AP
A5T3710	123AP
A5T3711	123AP
A5T3798	159
A5T3821	457
A5T3903	123A
A5T3904	123A
A5T3905	159
A5T3906	159
A5T4026	383
A5T4027	159
A5T4028	383
A5T4029	159
A5T4059	288
A5T4060	288
A5T4123	123AP
A5T4124	123AP
A5T4125	159
A5T4126	159
A5T4248	159
A5T4249	159
A5T4250	159
A5T4402	159
A5T4403	159
A5T4409	128
A5T4410	282§
A5T5058	287
A5T5059	287
A5T5086	159
A5T5087	159
A5T5172	123AP
A5T5209	128
A5T5210	128
A5T5219	123AP
A5T5220	123AP
A5T5221	159
A5T5223	123AP
A5T5225	123AP
A5T5226	159
A5T5400	397
A5T5401	397
A5T5550	287
A5T5551	287
A5T6461	287
A5T6462	287
A5T6463	287
A5T6464	287
A5T6538	123AP
A5T6539	123AP
A5T6540	128
A5T6541	128
A5TA	191
A5U	123A
A5V	181
A5W	123A
A5Y	184
A-6	595
A-6-67703	130
A-6-67703-A-7	130
A6A	163A
A6A1	156
A6A5	156
A6A9	156
A6B	108
A6B1	156
A6B-3-70	121MP
A6B-3-705	121MP
A6B-3A9G	121MP
A6B5	156
A6B9	156
A6C	184
A6C-1	184
A6C1	156
A6C-1 RED	184
A6C-2	184
A6C-2 BLK	184
A6C-3	184
A6C-3 WHT	184
A6C-4	184
A6C5	156
A6C9	156
A6C GRN	184
A6D	188
A6D1	156
A6D-1	188
A6D-2	188
A6D-3	188
A6D5	156
A6D9	156
A6E	108
A6E1	156
A6E5	156
A6E9	156
A6F	108
A6F1	156
A6F5	156
A6F9	156
A6G	188
A6G1	156
A6G5	156
A6G9	156
A6H	123AP
A6H1	156
A6H5	156
A6H9	156
A6HD	123A
A6J	123A
A6K	123A
A6K1	156
A6K5	156
A6K9	156
A6L	130
A6LBLK	130
A6LBLK-1	130
A6LBRN	130
A6LBRN-1	130
A6LRED	130
A6LRED-1	130
A6M	163A
A6M1	156
A6M5	156
A6M9	156
A6N	130
A6N1	506
A6N5	506
A6N-6	130
A6N9	506
A6P	108
A6R	123A
A6S	123A
A6T	108
A6T5222	123AP
A6U	108
A6V	107
A6V-5	108
A6W	184
A6Y	190
A6Z	163A
A6ZH	163A
A7-12	130
A7-13	130
A7A	123A
A7A1	156
A7A5	156
A7A9	156
A7A30	108
A7A31	108
A7A32	108
A7B	124
A7B5	156
A7B9	156
A7B (Motorola)	124
A7C	116
A7C1	156
A7C5	156
A7C7	156
A7C9	156
A7C (Motorola)	184
A7D	116
A7D1	156
A7D5	156
A7D9	156
A7E	116
A7E(Transistor)	123A
A7E1	156
A7E5	156
A7E9	156
A7F	190
A7F1	156
A7F5	156
A7F9	156
A7G	116
A7G1	156
A7G5	156
A7G9	156
A7H1	156
A7H5	156
A7H9	156
A7K1	156
A7K5	156
A7K9	156
A7M	130
A7M1	156
A7M5	156
A7M-5(Transistor)	130
A7M9	156
A7M42394B39	755
A7M42894B39	755
A7N	108
A7N1	506
A7N5	506
A7N9	506
A7P	108
A7R	123A
A7S	123A
A7S604T	612
A7S4511H	610
A7S4511T	610
A7S4513H	611
A7S4513T	611
A7S4514H	612
A7S4514T	612
A7S6011H	610
A7S6011T	610
A7S6013H	611
A7S6013T	611
A7S6014H	612
A7S6017T	613
A7T	123A
A7T3391	289A
A7T3391A	289A
A7T3392	289A
A7T5172	289A
A7T6027	6402
A7T6028	6402
A7U	108
A7V	108
A7W	108
A7Y	123A
A7Z	184
A8-1	160
A8-1-70	160
A8-1-70-1	160
A8-1-70-12	160
A8-1-70-12-7	160
A8-1A	160
A8-1A0	160
A8-1A0R	160
A8-1A1	160
A8-1A2	160
A8-1A3	160
A8-1A3P	160
A8-1A4	160
A8-1A4-7	160
A8-1-A-4-7B	160
A8-1A4-7B	160
A8-1A5	160
A8-1A5L	160
A8-1A6	160
A8-1A6-4	160
A8-1A7	160
A8-1A7-1	160
A8-1A8	160
A8-1A9	160
A8-1A9G	160
A8-1A19	160
A8-1A21	160
A8-1A82	160
A8-10	160
A8-11	160
A8-12	160
A8-13	160
A8-14	160
A8-15	160
A8-16	160
A8-17	160
A8-18	160
A8-19	160
A8A	194
A8B	123A
A8C	185
A8D	128
A8E	196
A8F	241
A8G	123A
A8J	188
A8K	196
A8L	123A
A8M	162
A8N	194
A8P	130
A8P-2-70	102A
A8P-2-705	102A
A8P-2A9G	102A
A8P404F	121
A8P404-ORN	121
A8P-404-ORN	121
A8R	199
A8S	108
A8T	163A
A8T404A	159
A8T3391	123AP
A8T3391A	123AP
A8T3392	123AP
A8T3644	159
A8T3645	159
A8T3702	159
A8T3703	159
A8T3706	123AP
A8T3707	123AP
A8T3708	123AP
A8T3709	123AP
A8T3710	123AP
A8T3711	123AP
A8T4026	294
A8T4027	159
A8T4028	294
A8T4029	159
A8T4058	159
A8T4059	159
A8T4060	159
A8T4061	159
A8T4062	159
A8T5172	123AP
A8U	130
A8V	154
A8VA	154
A8W	130
A8Y	241
A8Z	194
A9-061-40	519
A9-175	199
A9A	108
A9B	123A
A9C	172A
A9D	108
A9E	123A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
A9F	123A
A9G	123A
A9H	123A
A9J	123A
A9K	162
A9L-4-70	102A
A9L-4-705	102A
A9L-4A9G	102A
A9M	191
A9N	181
A9P	162
A9R	163A
A9S	123A
A9T	123A
A9U	123A
A9V	152
A9W	123A
A9Y	123A
A10	74H40
A10A	116
A10B	116
A10C	116
A10D	116
A10E	116
A10G05-010-A	123A
A10G05-011-A	123A
A10G05-015-D	123A
A10M	116
A10N	125
A10P	125
A11	178MP
A12	102A
A12(I.C.)	7451
A12-1	225
A12-1-70	123A
A12-1-705	123A
A12-1A9G	123A
A12-2	225
A12A	102A
A12B	102A
A12C	102A
A12D	102A
A12H	102A
A12V	102A
A13	102A
A13(rectifier)	116
A13(Diode)	177
A13(transistor)	160
A13-0032	130
A13-14604-1A	121MP
A13-14604-1B	121MP
A13-14604-1C	121MP
A13-14604-1D	121MP
A13-14604-1E	121MP
A13-14777-1	121MP
A13-14777-1A	121MP
A13-14777-1B	121MP
A13-14777-1C	121MP
A13-14777-1D	121MP
A13-14778-1A	121MP
A13-14778-1B	121MP
A13-14778-1C	121MP
A13-14778-1D	121MP
A13-15809-1	225
A13-17918-1	130
A13-22741-2	121MP
A13-23594-1	130
A13-28432-1	225
A13-33188-2	130
A13-55062-1	225
A13-86416-1	103A
A13-86420-1	101
A13-87433-1	101
A13A2	116
A13AA2	116
A13B2	116
A13C2	116
A13D2	116
A13F2	116
A13F2	116
A13M2	116
A13N1	123A
A14	102A
A14(Transistor)	160
A14-586-01	121
A14-601-10	130
A14-601-12	130
A14-601-13	130
A14-602-19	225
A14-602-36	225
A14-602-37	225
A14-602-57	131 + 155(CP)
A14-602-63	108
A14-603-05	108
A14-603-06	108
A14-1001	126A
A14-1002	126A
A14-1003	126A
A14-1004	102A
A14-1005	102A
A14-1006	102A
A14-1007	102A
A14-1008	102A
A14-1009	102A
A14-1010	102A
A14A(Rect)	125
A14A8-1	160
A14A8-19	160
A14A8-19G	160
A14A10G	121
A14A-70	121
A14A-705	121
A14B(Rect)	125
A14C(Rect)	125
A14D(Rect)	125
A14E(Rect)	125
A14E2(Rect)	125
A14F(Rect)	125
A14-F-C	519
A14M(Rect)	125
A14N(RECT)	125
A14P(RECT)	125
A14PD1	506
A14PD2	506
A14PD3	506
A15	7474
A15(Transistor)	102A
A15-12	338
A15-1001	126A
A15-1002	126A
A15-1003	126A
A15-1004	102A
A15-1005	102A
A15-1007	109
A15-1008	116
A15A	5812
A15A(RECT)	5812
A15B(RECT)	5814
A15BK	102A
A15BL	102A
A15BLU	102A
A15C(RECT)	5804
A15D(RECT)	5804
A15E(RECT)	5806
A15F(RECT)	5800
A15H	102A
A15K	102A
A15M(RECT)	5806
A15N(RECT)	5808
A15R	102A
A15U(Diode)	5800
A15U(Transistor)	102A
A15V	102A
A15VR	102A
A15Y	102A
A16	102A
A16A1	103A
A16A2	103A
A17	102A
A17(I.C.)	7490
A17H	102A
A18(I.C.)	7493A
A18-4	130
A18H	102A
A19	126A
A19(I.C.)	7495
A19-020-072	108
A20	126A
A20K	159
A20KA	159
A21	126A
A21A101016	715
A21A112020	85
A21A112126	292
A21A118281	378
A21A120176	1411
A22B(RECT)	156
A22B1	156
A22D(RECT)	156
A22D1	156
A22M(RECT)	156
A23(RECT)	116
A23B(RECT)	5834
A23B1	5834
A24	108
A24MW594	108
A24MW595	108
A24MW596	108
A24MW597	108
A24T-016-016	108
A25-12	338
A25-1001	126A
A25-1002	126A
A25-1003	126A
A25-1004	102A
A25-1005	102A
A25-1006	102A
A25-1007	109
A25-1008	116
A25A	A40240
A25A509-016-101	123A
A25A305020101	128
A25B	A40240
A26	100
A27(RCA)	175
A28	126A
A28A(RECT)	5818◆
A28B(RECT)	5818◆
A28C(RECT)	5820◆
A28D(RECT)	5820◆
A28F(RECT)	5818◆
A29	126A
A29A(RECT)	5819◆
A29B(RECT)	5819◆
A29C(RECT)	5821◆
A29D(RECT)	5821◆
A29F(RECT)	5819◆
A29V082B03	129
A30	102A
A30(diode)	109
A30(transistor)	126A
A31	102A
A31-0206	108
A32	102A
A32-2805-50-1	128
A32-2809	108
A33	102A
A34-6001-1	121
A34-6002-17	121
A35	102A
A35(Japan)	154
A36	102A
A37	126A
A38	126A
A39	126A
A40	102A
A40-6704	113A
A40-6722	113A
A40A	A40240
A40A(RECT)	5944
A40B	A40240
A40B(RECT)	5944
A40C(RECT)	5948
A40D(RECT)	5948
A40E(RECT)	5948
A40F(RECT)	5940
A40M(RECT)	5952
A41	160
A41A(RECT)	5945
A41B(RECT)	5945
A41C(RECT)	5989
A41D(RECT)	5949
A41E(RECT)	5953
A41F(RECT)	5944
A41M(RECT)	5953
A42	160
A42X00022-01	5834
A42X00041-01	5019A
A42X00269-01	116
A42X00286-01	102
A42X00290-01	156
A42X00340-01	109
A42X00373-01(Zener)	5070A
A42X00373-01(Transistor)	102
A42X00374-01	116
A42X00390-01	177
A42X00434-01	123A
A42X00454-01	5192A
A42X00460-01	135A
A42X00480-01	5074A
A42X210	103A
A43	126A
A44	126A
A44A(Rect)	5962
A44B(Rect)	5962
A44D(Rect)	5962
A44E(Rect)	5962
A44F(Rect)	5962
A45	126A
A45-1	126A
A45-2	126A
A45-3	126A
A45A(Rect)	5963
A45B(Rect)	5963
A45C(Rect)	5963
A45D(Rect)	5963
A45E(Rect)	5967
A45F(Rect)	5963
A45M(Rect)	5967
A46-867-3	154
A46-8614-3	101
A46-86101-3	107
A46-86109-3	107
A46-86110-3	107
A46-86133-3	107
A46-86301-3	107
A46-86302-3	107
A48-10075A01	121MP
A48-10075A02	121MP
A48-10075A03	121MP
A48-10075A04	121MP
A48-10075A05	121MP
A48-10075A06	121MP
A48-10075A07	121MP
A48-10075A08	121MP
A48-10103A01	121MP
A48-10103A02	121MP
A48-10103A03	121MP
A48-10103A04	121MP
A48-10103A05	121MP
A48-10103A06	121MP
A48-10103A07	121MP
A48-10103A08	121MP
A48-10103A09	121MP
A48-10103A10	121MP
A48-10103A11	121MP
A48-40247G01	108
A48-43351A02	108
A48-63076A81	121
A48-63076A82	108
A48-63078A52	109
A48-64978A10	121MP
A48-64978A11	121MP
A48-64978A24	121MP
A48-97046A05	108
A48-97046A06	108
A48-97046A07	108
A48-97127A06	108
A48-97127A12	108
A48-97127A18	108
A48-124216	101
A48-124217	101
A48-124218	101
A48-124220	101
A48-124221	101
A48-125233	101
A48-125234	101
A48-125235	101
A48-125236	101
A48-128239	101
A48-134520	101
A48-134648	225
A48-134700	101
A48-134727	121
A48-134731	121
A48-134789	108
A48-134819	154
A48-134837	108
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A65-4-705	101
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A74-3-70	100
A74-3-705	100
A74-3A9G	100
A75	126A
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A75B	126A
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A77	126A
A77A	126A
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A77A-70	105
A77A-705	105
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A77B19G	121MP
A77B-70	121MP
A77B-705	121MP
A77C	126A
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A77C-70	121
A77C-705	121
A77D	126A
A78	102A
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A83	126A
A83P2B	129
A84	160
A84A19G	121
A84A-70	121
A84A-705	121
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A88(Japan)	123A
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A88-705	160
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A88B-70	160
A88B-705	160
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A88C-70	100
A88C-705	100
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A90C(RECT)	6354
A90D(RECT)	6354
A90E(RECT)	6356
A90M(RECT)	6356
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A91M(RECT)	6357
A91N(RECT)	6359
A91P(RECT)	6359
A91S(RECT)	6359
A91T(RECT)	6359
A92	126A
A92-1-70	105
A92-1-705	105
A92-1A9G	105
A93	126A
A94	126A
A95-5280	113A
A95-5281	116
A95-5281	116
A95-5286	358
A95-5289	116
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A95-5295	119
A95-5296	118
A-95-5296	118
A95-5297	113A
A95-5314	500A
A97A83	121
A99S07	101
A99SK5	101
A99SK7	101
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A100(rectifier)	116
A100(transistor)	126A
A100A	126A
A100B	126A
A100C	126A
A101-A(Rect.)	116
A101A(rectifier)	116
A101A(transistor)	126A
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A101AY	126A
A101B	126A
A101BA	126A
A101BB	126A
A101BC	126A
A101BX	126A
A101C	126A
A101CA	126A
A101CV	126A
A101CX	126A
A101E	126A
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A102(Japan)	126A
A102A	126A
A102AA	126A
A102AB	126A
A102B	126A
A102BA	126A
A102BN	126A
A102CA	126A
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A103C	126A
A103CA	126A
A103CAK	126A
A103CG	126A
A103DA	126A
A104(Japan)	126A
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A104A	126A
A104B	126A
A104D	126A
A104P	126A
A104Y	126A
A105	126A
A106	126A
A106(Japan)	123A
A107	126A
A107(Japan)	160
A108	123A
A108(Japan)	160
A108A	123A
A108B	123A
A109	126A
A109C	909D
A110	199
A110(Japan)	199
A110C	910D
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A111(Japan)	126A
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A114(Transistor)	102A
A114C	125
A114C(Rect)	580
A114D(Rect)	580
A114E	580◆
A114EA(Dig. Trans)	2356◆
A114EF(Dig. Trans)	2356◆
A114EK(Dig. Trans)	2415
A114ES(Dig. Trans)	2356
A114M(Rect)	580
A115	126A
A115(Japan)	102A
A115A	580
A115B	580◆
A115B(Rect)	580◆
A115C	580◆
A115C(Rect)	580◆
A115D	580◆
A115D(Rect)	580◆
A115E	580◆
A115F	580
A115M	580◆
A116	126A
A116(Japan)	102A
A117	126A
A118	126A
A119	129
A120	129
A120A	129
A120P1	159
A121	126A
A121-1	159
A121-1RED	159
A121-15	101
A121-16	101
A121-17	101
A121-21	101
A121-50	101
A121-361	154
A121-444	159
A121-446	159
A121-480	108
A121-495	159
A121-496	159
A121-497	159
A121-497WHT	159
A121-585	107
A121-585B	107
A121-602	159
A121-603	159
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A121-687	107
A121-699	159
A121-746	159
A121-762	101
A121-774	159
A121-1410	101
A122	160
A122(Japan)	126A
A122-1962	103A
A122GRN	159
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A123	126A
A123-7	116
A124	126A
A124EF(Dig. Trans)	2358◆
A124EK(Dig. Trans)	2417
A124EN(Dig. Trans)	2358
A124ES(Dig. Trans)	2358
A124K(Dig Trans)	2417
A124N(Dig. Trans)	2358
A125	126A
A126	126A
A127-7	101
A128	123A
A128(Japan)	158
A128A	123A
A129(Transistor)	158
A129-30	101
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A130	154
A130(Japan)	160
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A130-40315	159
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A130ORN	108
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A131	126A
A132	116
A132(Japan)	126A
A132(Transistor)	154
A132-1	116
A133	194
A133(Japan)	126A
A134	126A
A135	160
A136	126A
A137	123A

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A137(NPN)	123A
A137(PNP)	159
A138	199
A138(Japan)	102A
A139	199
A139(Japan)	126A
A139E(RECT)	5994
A139ER	5995
A139M(RECT)	6010
A139MR	6011
A141	102A
A141(Japan)	126A
A141(PNP)	126A
A141(NPN)	123A
A141B	126A
A141C	126A
A142	102A
A142(Japan)	126A
A142A	126A
A142B	126A
A142C	126A
A143	102A
A143(Japan)	126A
A144	126A
A-144-3078	5547
A144A-1	121
A144A-19	121
A144C	126A
A144EA(Dig. Trans)	2360◆
A144EF(Dig. Trans)	2360◆
A144EK(Dig Trans)	2419
A144EN(Dig. Trans)	2360
A144ES(Dig. Trans)	2360
A144F(Dig. Trans)	2360◆
A144N(Dig. Trans)	2360
A145	126A
A145A	126A
A145C	126A
A146	126A
A146B-3	121MP
A146B-39	121MP
A147	126A
A148	126A
A148P2	102A
A148P-2	102A
A148P2-29	102A
A148P-29	102A
A149	126A
A149L-4	102A
A149L-49	102A
A150	126A
A151	126A
A151(Japan)	160
A152	126A
A152(Japan)	160
A153	123A
A153(Japan)	126A
A154(NPN)	108
A154(PNP)	126A
A155(PNP)	126A
A155(NPN)	108
A156	123A
A-156	123A
A156(Japan)	126A
A157	123A
A157(Japan)	126A
A157A	123A
A157B	123A
A157C	123A
A158	123A
A158A	123A
A158B	123A
A-158B	123A
A158C	123A
A-158C	123A
A159	123A
A159A	123A
A159B	123A
A159C	123A
A160	126A
A160(Japan)	100
A161	159
A162	159
A163	160
A164(NPN)	108
A164(PNP)	126A
A165(NPN)	108
A165(PNP)	126A
A166	126A
A167	100
A168	123A
A-168	123A
A168(Japan)	100
A168A	100
A168P1	121MP
A169	100
A170	129
A170(Japan)	100
A170A(RECT)	6154
A170AR	6155
A170B(RECT)	6154
A170BR	6155
A170C(RECT)	6154
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A170D(RECT)	6154
A170DR	6155
A170E(RECT)	6156
A170ER	6157
A170M(RECT)	6156
A170MR	6157
A170N(RECT)	6158
A170NR	6159
A170P(RECT)	6158
A170PA	6162
A170PB	6162
A170PC	6162
A170PD	6162
A170PR	6159
A170RA	6155
A170RB	6155
A170RC	6155
A170RD	6155
A170RE	6157
A170RM	6157
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A171(Japan)	100
A172	100
A172A	100
A173	102A
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A175	126A
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A178BA	159
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A180A(RECT)	6354
A180AR	6355
A180B(RECT)	6354
A180BR	6355
A180C(RECT)	6354
A180CR	6355
A180D(RECT)	6354
A180DR	6355
A180E(RECT)	6356
A180ER	6357
A180M(RECT)	6356
A180MR	6357
A180N(RECT)	6358
A180NR	6359
A180P(RECT)	6358
A180PA	6162
A180PB	6162
A180PC	6162
A180PD	6162
A180PR	6359
A180RA	6355
A180RB	6355
A180RC	6355
A180RD	6355
A180RE	6357
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A180RN	6359
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A180RPC	6163
A180RPD	6163
A180RS	6359
A180RT	6359
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A180SR	6359
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A180TR	6359
A181	126A
A182	102A
A183	126A
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A188	126A
A189	126A
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A190AR	6355
A190B(RECT)	6354
A190BR	6355
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A190CR	6355
A190D(RECT)	6354
A190DR	6355
A190E(RECT)	6356
A190ER	6357
A190M(RECT)	6356
A190MR	6357
A190N(RECT)	6358
A190NR	6359
A190P(RECT)	6358
A190PA	6362
A190PAR	6363
A190PB	6362
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A190PC	6362
A190PCR	6363
A190PD	6362
A190PDR	6363
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A190RA	6355
A190RB	6355
A190RC	6355
A190RD	6355
A190RE	6357
A190RM	6357
A190RN	6359
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A203	102A
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A203P(PNP)	126A
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A208(NPN)	186
A208(Japan)	100
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A210	176
A210(Japan)	100
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A220	126A
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A240A	160
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A244(AMC)	161
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A245(AMC)	108
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A246	123A
A246(AMC)	123A
A246(Japan)	126A
A246V	126A
A247	154
A247(AMC)	154
A247(Japan)	126A
A248	102A
A248(Japan)	100
A248(AMC)	123A
A249	123A
A249(AMC)	128
A250	126A◆
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A253(Japan)	126A
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A255	126A
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A259	126A
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A261	160
A262	160
A263	160
A264	160
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A270	195A
A270(Japan)	126A
A271(Japan)	126A
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A272(Japan)	126A
A273	152
A273(Japan)	126A
A274(NPN)	195A
A274(PNP)	126A
A275(Japan)	126A
A276(Japan)	160
A277(Japan)	100
A278	171
A278(Japan)	100
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A288A	126A
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A294	126A
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A296	126A
A297	126A
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A301	123A
A301(Japan)	126A
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A321(Japan)	160
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A323	123A
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A324(Japan)	160
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A340H	127
A341	126A
A341-0A	160
A341-0B	160
A341-OB	160
A342	126A
A342A	160
A343	160
A344	123A
A344(Japan)	126A
A345	123A
A345(Japan)	160
A346	123A
A346(Japan)	160
A347	160
A348	160
A349	160
A350	126A
A350A	100
A350C	126A
A350H	126A
A350R	126A
A350T	126A
A350TY	126A
A350Y	126A
A351	126A
A351A	126A
A351B	126A
A352	126A
A352A	126A
A352B	126A
A353	126A
A353-9008-001	129
A353A	126A
A353C	126A
A354	126A
A354A	126A
A354B	126A
A355	126A
A355A	126A
A356	126A
A357	126A
A358	126A◆
A359	126A
A360	160
A361	160
A362	160◆
A363	160◆
A364	126A
A365	126A
A366	126A
A367	126A
A368	126A
A369	126A
A372	160◆
A373	102A◆
A374	102A
A375	126A
A376	160
A376(Japan)	126A
A377	160
A378	160
A379	160
A380	126A
A381	126A
A382	126A
A383	126A
A384	126A
A385	126A
A385A	126A
A385D	126A
A390A(RECT)	6110
A390B(RECT)	6110
A390C(RECT)	6110
A390D(RECT)	6110
A390E(RECT)	6110
A390M(RECT)	6110
A390N(RECT)	6112
A390P(RECT)	6112
A390PA	6112
A390PB	6112
A390S(RECT)	6112
A390T(RECT)	6112
A391	100
A392	100
A393	100
A393A	126A
A394	100
A395	100
A396(Transistor)	102
A397	102
A398	102
A399	102
A400(transistor)	126A
A400(rectifier)	116
A401	126A
A402	159
A403	160
A404	160
A405	160
A407	102A
A408	126A
A409	126A
A412	126A
A413	126A
A414	100
A415	123A
A415(Japan)	100
A416	121
A417	102◆
A417(Japan)	160
A417-19	161
A417-43	129
A417-62	121
A417-115	154
A417-116	159
A417-132	159
A417-138	129
A417-153	159
A417-154	107
A417-170	129
A417-176	159
A417-182	159
A417-184	159
A417-190	107
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A417-200	159
A417-201	159
A417-205	107
A417-234	129
A417-235	159
A418	108
A419	108
A419(Japan)	160
A420	108
A420(Japan)	160
A421	160
A422	160
A422-A	116
A424	316
A425	160
A426	160
A427	108
A427(Japan)	108
A428	126A
A429(ECB)	288
A429-0981-12	161
A429-O(ECB)	288
A429R(ECB)	288
A429Y	288
A430	316
A430(Japan)	160
A430E(RECT)	6113
A430M(RECT)	6113
A430N(RECT)	6115
A430P(RECT)	6115
A430PA	6115
A430PB	6115
A430S(RECT)	6115
A430T(RECT.)	6115
A431	160
A431A	160
A432	160
A432A	160
A433	160
A434	160
A435	160
A435A	160
A435B	160
A436	126A
A437	126A
A438	126A
A440	160
A446	102◆
A447	126A
A450	160◆
A450H	160◆
A451	160◆
A451(Japan)	160
A451H	160◆
A452	160◆
A452H	160◆
A453	126A
A454	123A
A454(Japan)	126A
A455	709
A455(IC)	709
A455(transistor)	126A
A456	126A
A457	126A
A460	160
A461	160
A462	160
A463	160
A464	160
A465-181-19	161
A466	128
A466(Japan)	126A
A466-2	126A
A466-3	126A
A466BLK	126A
A466BLU	126A
A466YEL	126A
A467	290A
A467G	290A
A467G-O	290A
A467G-R	290A
A467G-Y	290A
A467-O	290A
A467-Y	290A
A468	126A
A469	126A
A470	126A
A471	126A
A471-1	126A
A471-2	126A
A471-3	126A
A472(PNP)	126A
A472(NPN)	123A
A472(Japan)	126A
A472A	126A
A472B	126A
A472C	126A
A472D	126A
A472E	126A
A473(Fisher)	161
A473(Japan)	153
A473(NPN)	108
A473(PNP)	153
A473-0	153
A473-GR	153
A473-O	153
A473-R	153
A473R	153
A476	126A
A477	126A
A478	102A◆
A479	102A◆
A480	108
A480(Japan)	159
A481	161
A481A0028	123A
A481A0030	159
A481A0031	123A
A482	161
A482(Japan)	159
A483	218◆
A484	161
A484BL	323
A484R	323
A484Y	323
A485	316
A485BL	323
A485R	323
A485Y	323
A486	161
A486(Japan)	323
A486BL	323
A486R	323
A488-A0001	177
A488-A0060	519
A489	161
A489(Japan)	153
A489-O	153
A489-R	153
A489Y	153
A489-Y	153
A490	161
A490(RF)	153
A490(power)	153
A490(Japan)	153
A490-0	153
A490-LBGL1	153
A490-O	292
A490Y	398
A490YLBGL1	398
A492	161
A493	290A
A493BL	234
A493GR	234
A493-O	159
A493Y	290A
A494	234
A494(Japan)	123A
A494(Fisher)	229
A494-GR	234
A494-O	234
A494-Y	234
A494Y(Trans)	234
A495(Japan)	290A
A495(PNP)	290A
A495A	290A
A495D	290A
A495FA-1	290A
A495-G	290A
A495G	290A◆
A495G-0	290A◆
A495G-GR	290A◆
A495G-O	290A
A495G-R	290A◆
A495GR	290A
A495G-Y	290A◆
A495H	290A
A495J	290A
A495-O	290A
A495O	290A
A495Q	290A
A495-R	159
A495TM-0	290A
A495W	290A
A495X	290A
A495-Y	290A
A495Y	290A
A496	290A
A496(Japan)	185
A496-O	374
A496-R	374
A496Y	374
A496-Y	374
A497	108
A497(Japan)	129
A498(Japan)	129
A498(F.E.T.)	222
A498Y	129
A499	106
A499-O	106
A499-R	106
A499-Y	106
A500	106
A500(Japan)	159

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
A500-O	106
A500-R	106
A500-Y	106
A501	129
A502	290A
A503	129
A503-254915-69	5257A
A503-254915-85	5127A
A503-254915-535	5191AK
A503GR	129
A503-O	129
A503-R	129
A503-Y	129
A504	129
A504GR	129
A504-R	129
A504-Y	129
A505	374
A505-O	374
A505-R	374
A505-Y	374
A506	160
A507	160
A508	160
A509(ECB)	159
A509-0(ECB)	159
A509-D(ECB)	159
A509G(ECB)	159
A509G-0(ECB)	159
A509GR(ECB)	159
A509G-Y(ECB)	159
A509-O(ECB)	159
A509Q(ECB)	159
A509R(ECB)	159
A509-X(ECB)	159
A509Y(ECB)	159
A509-Y(ECB)	159
A510	323
A510-O	323
A510-R	323
A511	323
A511BDC	4511B
A511-O	323
A511-R	323
A512	323
A512-O	323
A512-R	323
A513	323
A513-O	323
A513-R	323
A514-0033903	177
A514-064-32	2040
A514-019136	116
A514-023553	101
A514-023626	116
A514-025607	116
A514-026814	6027
A514-027051	5002A
A514-027662	100
A-514-027662	102A
A514-027757	116
A-514-027757	116
A514-028072	116
A514-028073	116
A514-030963	5962
A514-031162	5962
A514-032815	100
A514-033338	289A
A514-033377	121
A514-033596	125
A514-033903	116
A514-040296	312
A514-042791	177
A514-043826	5514
A514-044910	159
A514-047801	2040
A514-047828	210
A514-047829	211
A514-047830	196
A514-047837	211
A514-047970	5072A
A514-048551	761§
A514-052689	5963
A514-053752	OBS-NLA
A514-053981	975
A514-054214	130
A514-054489	74107
A514-057814	5673
A514-058337	5414
A514-058621	88
A514-058969	3020
A514-058992	5014A
A514-059342	5650
A514-059463	7400
A514-059464	7403
A514-059465	7402
A514-059466	7420
A514-059468	74150
A514-059469	74154
A514-059471	5543
A514-059628	4011B
A514-060021	7405
A514-060260	2042§
A514-061662	912
A514-061735	2040
A514-061986	7410
A514-061987	7404
A514-061988	7486
A514-062023	992
A514-062025	966
A514-062141	975
A514-062142	4016B
A514-062143	4051B
A514-062144	4071B
A514-062145	4081B
A514-062212	975
A514-063293	778A
A514-063882	7412
A514-063883	74195
A514-0339903	116
A514-100243	519
A514-100576	56022
A514-100684	3046
A514-101082	74LS00
A514-101084	74LS03
A514-101085	74LS04
A514-101086	74LS05
A514-101087	74LS10
A514-101088	74LS12
A514-101089	74LS20
A514-101090	74LS30
A514-101092	74LS75
A514-101093	74LS86
A514-101094	74LS107
A514-101095	74LS151
A514-101096	74LS164
A514-101097	74LS195A
A514-101099	4013B
A514-101391	4017B
A514-101392	4019B
A514-101393	4081B
A514-101395	4001B
A514-101396	4555B
A514-101397	4512B
A514-101550	4069
A514-101843	4042B
A514-101844	4012B
A514-101845	4023B
A514-102343	4002B
A514-102579	74LS42
A514-102661	4066B
A514-102916	4024B
A514-103420	778A
A514-103421	2041§
A514-103488	4070B
A516	323
A516A	323
A517	126A
A518	126A
A522	130
A522(Japan)	159
A522-3	130
A522A	159
A523(NPN)	130
A523(PNP)	129
A523A	129
A524	106
A525	160
A525A	160
A525B	160
A527	129
A528	129
A530	159
A530H	159
A532	129
A532A	129
A532B	129
A532C	129
A532D	129
A532E	129
A532F	129
A537	129
A537A	129
A537AA	129
A537AB	129
A537AC	129
A537AH	129
A537B	129
A537C	129
A537H	129
A538	102A
A539	290A
A539(Korea)	159
A539K	290A
A539L	290A
A539M	290A
A539-O(Korea)	159
A539R(Korea)	159
A539S	290A
A539Y(Korea)	159
A542(Korea)	159
A542G(Korea)	159
A542-O(Korea)	159
A542R(Korea)	159
A542Y(Korea)	159
A544	159
A545	193A
A545(Korea)	159
A545G(Korea)	159
A545GRN	193A
A545K	193A
A545KLM	193A
A545L	193A
A545LM	193A
A545M	193
A545-O(Korea)	159
A545R(Korea)	159
A545Y(Korea)	159
A546	129
A546A	129
A546AA	129
A546AB	129
A546AD	129
A546AE	129
A546AF	129
A546AH	129
A546AI	129
A546AJ	129
A546AK	129
A546AL	129
A546B	129
A546D	129
A546E	129
A546F	129
A546H	129
A546I	129
A546J	129
A547	427/129
A547AA	427/129
A547AB	427/129
A547AD	427/129
A547AE	427/129
A547AF	427/129
A547AH	427/129
A547AI	427/129
A547AJ	427/129
A547B	427/129
A547D	427/129
A547E	427/129
A547F	427/129
A547H	427/129
A547I	427/129
A547J	427/129
A548	159
A548A	159
A548B	159
A548C	159
A549A	288
A549AH	286
A550	159
A550A	159
A550AO	159
A550AP	159
A550AQ	159
A550AR	159
A550AS	159
A550O	159
A550Q	159
A550R	159
A550S	159
A551	129
A551-008	941D
A551C	129
A551D	129
A551E	129
A552	129
A553	129
A554	159
A554A	129
A555	290A
A556	290A
A556-142	109
A558	129
A559	129
A559A	129
A560	129
A561	290A
A561GR	290A◆
A561-O	290A
A561-R	290A
A561R	290A
A561Y	290A
A561-Y	290A
A562	290A
A562-0	290A
A562G	290A
A562GR	290A◆
A562-O	290A
A562Q	290A
A562-R	290A
A562R	290A
A562T(Trans)	290A
A562TH-O	290A
A562TM-0	290A
A562TML(Trans)	290A
A562TM-O	290A
A562TM-OFA	290A
A562TM-Y(Trans)	290A
A562TM-YFA(Trans)	290A
A562T-O(Trans)	290A
A562TQ(Trans)	290A
A562TQ	290A
A562-Y	290A
A562Y	290A
A562Y(Trans)	290A
A562Y-TM	290A
A562YTM	290A
A564	290A
A564-0	234
A564A	290A
A564A2(TRANS)	290A
A564ABQ	290A
A564AQ	290A
A564AP	290A
A564AQ	290A
A564AQGD	290A
A564AR	290A
A564AS	234
A564AT	234
A564D	290A
A564F	290A
A564FQ	290A
A564FR	290A
A564G	290A
A564H	290A
A564J	290A
A564-O	159
A564O(Trans)	290A
A564P	290A
A564POR	290A
A564PQ	290A
A564PQR	290A
A564Q	290A
A564-Q	234
A564QGD	290A
A564QHD	290A
A564QR	290A
A564R	290A
A564S	234
A564T	234
A564Y	290A
A565	159
A565A	159
A565B	159
A565C	159
A565D	159
A565K	159
A565Q	234
A566	218
A566A	218
A566B	218
A566C	218◆
A566H	218
A566HA	218
A566HB	218
A567	123A
A567(Japan)	159
A-567A	123A
A567A	159
A567B	159
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A567D(EBC)	234
A568	290A
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A568GN	290A
A568H	290A
A568J	290A
A568K	290A
A568L	290A
A568M	290A
A568-OR	290A
A568R	290A
A568X	290A
A568Y	290A
A569	290A
A569J	159
A570	290A
A570(Transistor)	159
A570A	6116
A570B	6116
A570C	6116
A570D	6116
A570E	6116
A570M	6116
A571	129
A572	130
A572-1	130
A573	290A
A573D	290A
A575	290A
A575K	290A
A575L	290A
A576-0001-002	159
A576-0001-013	159
A578(ECB)	234
A578A(ECB)	234
A578B(ECB)	234
A578C(ECB)	234
A579(ECB)	234
A579A(ECB)	234
A579B(ECB)	234
A579C(ECB)	234
A580	129
A580-040215	181
A580-040315	181
A580-040515	181
A580-080215	181
A580-080315	181
A580-080515	181
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A580G	129
A580Y	129
A581	129
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A581G	129
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A592D2(BCE)	159
A592Y	159
A593	123A
A594	129
A594-O	129
A594-R	129
A594-Y	129
A595	102A
A597	129◆
A600	116
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A603	159
A604	129
A606	129
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A607	427/129
A607A	427/129
A607B	427/129
A607C	427/129
A607D	427/129
A607K	427/129
A607L	427/129
A607M	427/129
A607N	427/129
A607S	427/129
A607SA	427/129
A607SB	427/129
A607SC	427/129
A607SD	427/129
A608(Trans)	290A
A608A(Trans)	290A
A608AE(Trans)	290A
A608AF(Trans)	290A
A608B(Trans)	290A
A608-C(Trans)	290A
A608C(Trans)	290A
A608D(Trans)	290A
A608-D(Trans)	290A
A608E(Trans)	290A
A608-E(Trans)	290A
A608E-NP(Trans)	290A
A608F(Trans)	290A
A608-F(Trans)	290A
A608F-NF(Trans)	290A
A608F-NP(Trans)	290A
A608G(Trans)	290A
A608K(Trans)	290A
A608KD(Trans)	290A
A608KE(Trans)	290A
A608KF(Trans)	290A
A608KG(Trans)	290A
A608KNP(Trans)	290A
A608KNPD(Trans)	290A
A608KNPE(Trans)	290A
A608KNPF(Trans)	290A
A608KNPG(Trans)	290A
A608NP(Trans)	290A
A608NP(ECB)	159
A608NPE(ECB)	159
A608NPF(ECB)	159
A608SP(Trans)	290A
A609(ECB)	159
A609A(ECB)	159
A609B(ECB)	159
A609C(ECB)	159
A609D(ECB)	159
A609E(ECB)	159
A609F(ECB)	159
A609G(ECB)	159
A610	290A
A610B	290A
A611	290A
A611-4E	290A
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A614(Korea)	242
A614R(Korea)	242
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A615-1009	160
A615-1010	102A
A615-1011	102A
A615-1012	109
A616	218
A617K	159
A618K	159
A620	290A
A620WL	290A
A623	307
A623-0	307
A623A	307
A623B	307
A623C	307
A623D	307
A623G	307
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A623Y	307
A624	307
A624A	307
A624B	307
A624C	307
A624D	307
A624E	307
A624G	307
A624GN	307
A624L	307
A624LG	307
A624R	307
A624Y	307
A625	129
A625B	129
A625G	129
A625Y	129
A626	88
A626K	88
A626L	88
A626M	88
A626N	88
A627	88
A627K	88
A627L	88
A627M	88
A627N	88
A628(BCE)	290A
A628A(BCE)	290A
A628AC(BCE)	290A
A628AD(BCE)	290A
A628AE(BCE)	290A
A628AF(BCE)	290A
A628AG	234
A628B(BCE)	290A
A628C(BCE)	290A
A628D(BCE)	290A
A628E(BCE)	290A
A628EF(BCE)	290A
A628F(BCE)	290A
A628G	234
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A634	187A
A634(Korea)	187A
A634A	187A
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A636L	187
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A636R	187
A637	288
A638	288
A639(ECB)	288
A639S(ECB)	288
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A640(Japan)	159
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A640C	234
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A640E	234
A640F	234
A640L	234
A640M	234
A640S	234
A641	234
A641(PNP)	234
A641(NPN)	123A
A641(Japan)	234
A641A	234
A641B	234
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A641L	234
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A978G(BCE)	234
A979(TRANS)	41
A979F(TRANS)	41
A979G(TRANS)	41
A979H(TRANS)	41
A980	281
A981	281
A982	281
A984	290A
A984D	290A
A984E	290A
A984F	290A
A984K	290A
A984KD	290A
A984KE	290A
A984KF	290A
A985A	398◆
A987	290A
A987P	290A
A988(ECB)	288
A991	234◆
A991-01-0098	159
A991-01-1225	159
A991-01-1316	108
A991-01-1319	159
A991-01-3058	159
A991-E	234◆
A991-F	234◆
A991-P	234◆
A992	129
A992(ECB)	288
A992-00-1192	121
A992-1	129
A992-2	129
A992P(ECB)	288
A992S	129
A993	159
A993B	159
A993C	159
A993D	159

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
A994(BCE)	234
A994E(BCE)	290A
A994F(BCE)	234
A994G(BCE)	234
A995(TRANS)	45
A995F(TRANS)	45
A995G(TRANS)	45
A995H(TRANS)	45
A999	290A
A999D	290A
A999E	290A
A999L(ECB)	159
A999LE(ECB)	159
A999LF(ECB)	159
A1000	125
A1004	159
A1004C	159
A1004D	159
A-1005-725	159
A1007	88
A1007A	88
A1008	292
A1008K	292
A1008L	292
A1008M	292
A1010	332
A1010K	332
A1010L	332
A1010M	332
A1010V	332
A1011	398
A1011D	398
A1011E	398
A1012	378
A1012-0	378
A1012-O	153◆
A1012Y	378
A1013(Trans)	32
A1013-O	32
A1013-OR	32
A1013-R	32
A1013R(Trans)	32
A1013-Y	32
A1014FA-1	290A
A1015	290A
A1015-0	290A
A1015FA-0	290A
A1015-G	290A
A1015G(Trans)	290A
A1015-GR	290A
A1015GR	290A
A1015-O	290A
A1015-OFA(Trans)	290A
A1015-Y	290A
A1015-YFA(Trans)	290A
A1016	129
A1016F(TRANS)	234
A1016G(TRANS)	234
A1016H(Trans)	234
A1016K	234
A1017	234
A1018	288
A1018P(ECB)	288
A1018Q(ECB)	288
A1019	91
A1020(Trans)	25
A1020-O	25
A1021	374
A1021-O	374
A1021-R	374
A1021-Y	374
A1022(Trans)	2407
A1022A(Trans)	2407
A1022B(Trans)	2407
A1022C(Trans)	2407
A1024	112
A1025	159
A1026(Trans)	290A
A1027(Trans)	290A
A1027R(Trans)	290A
A1028	281◆
A1029	290A
A1029B	290A
A1029C	290A
A1029D	290A
A1030	290A
A1030B	290A
A1030C	290A
A1031(ECB)	159
A1031B(ECB)	159
A1031C(ECB)	159
A1031D(ECB)	159
A1032(ECB)	159
A1032B(ECB)	159
A1032C(ECB)	159
A1033	159
A1033B	159
A1033C	159
A1033D	159
A1034(Trans)	2409
A1034R(Trans)	2409
A1034S(Trans)	2409
A1034T(Trans)	2409
A1035(Trans)	2409
A1035R(Trans)	2409
A1035S(Trans)	2409
A1035T(Trans)	2409
A1036K(Trans)	2407
A1036KP(Trans)	2407
A1036KQ(Trans)	2407
A1036KR(Trans)	2407
A1037K(Trans)	2409
A1037KQ(Trans)	2409
A1037KR(Trans)	2409
A1037KS(Trans)	2409
A1038(TRANS)	91
A1038E(TRANS)	91
A1038S(TRANS)	91
A1039(TRANS)	91
A1039E(TRANS)	91
A1039S(TRANS)	91
A1040	290A
A1040(TRANS)	281
A1040-GR	290A
A1040-O	290A
A1040-Y	290A
A1041	1013
A1045(TRANS)	248
A1046(TRANS)	250
A1047	374
A1047D	374
A1047E	374
A1047F	374
A1048(Trans)	290A◆
A1048O(Trans)	290A◆
A1048Y(Trans)	290A◆
A1049	290A◆
A1049-GR	290A◆
A1050(TRANS)	285
A1050A	285
A1050A-O	285
A1050A-R	285
A1050A-Y	285
A1051A	285
A1051A-O	285
A1051A-R	285
A1051A-Y	285
A1052(Trans)	2409
A1052B(Trans)	2409
A1052C(Trans)	2409
A1052D(Trans)	2409
A1053(TRANS)	159
A1054(TRANS)	159
A1055(TRANS)	159
A1056(TRANS)	159
A1060	37
A1060Q(Trans)	37
A1060R(Trans)	37
A1061	37
A1061P	37
A1061Q(Trans)	37
A1061R(Trans)	37
A1062	37
A1062P(Trans)	37
A1062Q(Trans)	37
A1062R(Trans)	37
A1063	285
A1064	285
A1064P(Trans)	285
A1064R(Trans)	281
A1065	285
A1065Q(Trans)	281
A1065R(Trans)	281
A1069	378
A1069C	378
A1072	281
A1072A(TRANS)	285
A1073	285
A1074	285
A1075	34
A1075-B	34
A1075B	34
A1075G	34
A1075-G	34
A1076	34
A1078(TRANS)	55
A1079(TRANS)	55
A1081	159
A1082	159
A1083	159
A1084	129P
A1085	129P
A1090	159
A1090-GR	159
A1090-O	159
A1090-Y	159
A1091(ECB)	288
A1091-O(ECB)	288
A1091R(ECB)	288
A1092	234
A1092(Trans)	234
A1092S(Trans)	234
A1094(TRANS)	34
A1094O	34
A1094R(TRANS)	34
A1094Y(TRANS)	34
A1095(TRANS)	34
A1095O(TRANS)	34
A1095R(TRANS)	34
A1095Y(TRANS)	34
A1096(Trans)	374#
A1096A(Trans)	374#
A1096AQ(Trans)	374#
A1096Q(Trans)	374#
A1100(BCE)	290A
A1100D(BCE)	290A
A1100E(BCE)	290A
A1100F(BCE)	290A
A1100L(BCE)	159
A1100LE(BCE)	159
A1100LF(BCE)	159
A1102	37
A1103(Trans)	37
A1104(TRANS)	37
A1104A(Trans)	37
A1105(TRANS)	37
A1106(TRANS)	37
A1107(TRANS)	34
A1108(TRANS)	34
A1109	108
A1109(TRANS)	59
A1110	374#
A1110P(Trans)	374#
A1110Q(Trans)	374#
A1110R(Trans)	374#
A1111	1002
A1111(TRANS)	398
A1111P	1002
A1111P(Trans)	398
A1111Q(Trans)	398
A1111R(Trans)	398
A1112(Trans)	398◆
A1115	290A
A1115D	290A
A1115E	290A
A1115F(Trans)	290A◆
A1116(TRANS)	68
A1117(TRANS)	68
A1121	159
A1121(Trans)	2407
A1121B	159
A1121B(Trans)	2407
A1121C	159
A1121C(Trans)	2407
A1121D	159
A1121D(Trans)	2407
A1122(Trans)	2409
A1122C(Trans)	2409
A1122D(Trans)	2409
A1123	32
A1123-Q	32
A1124C	121
A1124-Q	32
A1124-R	32
A1125(Trans)	375
A1125-Q	398
A1127	234
A1127-R	234
A1127-S	234
A1127-T	234
A1128	290A
A1128-Q	290A
A1128-R	290A
A1128-S	290A
A1129(TRANS)	378
A1129L(Trans)	378
A1129M(Trans)	378
A1133(TRANS)	398
A1133P(Trans)	398
A1133Q(Trans)	398
A1135(TRANS)	391
A1137(TRANS)	290A
A1137Q(TRANS)	290A
A1137R(TRANS)	290A
A1141(TRANS)	37
A-1141-5932	128
A-1141 6062	123A
A1142(TRANS)	374
A1144	374
A1144-O	374
A1145(Trans)	32
A1145O(Trans)	32
A1145-Y(Trans)	32
A1145Y(Trans)	32
A1146(TRANS)	37
A1146-O	37
A1146-R	37
A1147(TRANS)	68
A1150	290A
A1150-O	290A
A1150-Y	290A
A1152(ECB)	159
A1153(ECB)	159
A1154(ECB)	159
A1158(Trans)	290A
A1158Y(Trans)	290A
A1160(IC)	1578
A1160(Trans)	25
A1162(Trans)	2409
A1162G(Trans)	2409
A1162O(Trans)	2409
A1162Y(Trans)	2409
A1163G(Trans)	2411
A1164(ECB)	217
A1164R	37
A1166(TRANS)	34
A1169(TRANS)	59
A1170	108
A1170(TRANS)	59
A1171(Trans)	2411
A1174(TRANS)	234
A1174E(TRANS)	234
A1174F(TRANS)	234
A1174P(TRANS)	234
A1175	290A
A1175(Trans)	290A
A1175E(Trans)	234
A1175F(Trans)	234
A1175H	290A
A1175J(Trans)	290A◆
A1175K(Trans)	234
A1175R(Trans)	290A
A1178(TRANS)	374
A1179(Trans)	2407
A1179M4(Trans)	2407
A1179M5(Trans)	2407
A1179M6(Trans)	2407
A1182(Trans)	2407
A1182O(Trans)	2407
A1182Y(Trans)	2407
A1183(TRANS)	391
A1184(TRANS)	374
A1184-O	374
A1185	37
A1185-O	37
A1185-P	37
A1185-Q	37
A1186(TRANS)	37
A1187(TRANS)	34
A1188	383
A1188D	383
A1189	383
A1189D	383
A1190	383
A1190D	383
A1191	383
A1191D	383
A1193(Trans)	2342
A1193K(Trans)	2342
A1198(TRANS)	234
A1198R(TRANS)	234
A1198S(TRANS)	234
A1199(ECB)	159
A1199Q(ECB)	159
A1200	1003
A1201	1003
A1201B	1003
A1201C	1003
A1201C-W	1003
A1201T	1003
A1202 @	1003-@-A40240
A1202(Trans)	2429
A1202A	A40240
A1202O(Trans)	2429
A1202Y(Trans)	2429
A1204(Trans)	2429
A1204O(Trans)	2429
A1204Y(Trans)	2429
A1205(TRANS)	37
A1206	217
A1210	A40240
A1210A	A40240
A1214	159
A1215(TRANS)	34
A1216(TRANS)	37
A1217	185
A1220	160
A1220(TRANS)	374
A1220A(Trans)	374
A1225	A40240
A1225A	A40240
A1226(Trans)	2407
A1226E2(Trans)	2407
A1226E3(Trans)	2407
A1226E4(Trans)	2407
A1227(TRANS)	37
A1232(TRANS)	37
A1232Q(Trans)	37
A1232R(Trans)	37
A1235(Trans)	2407
A1235E(Trans)	2407
A1235F(Trans)	2407
A1238	199
A1240	A40240
A1243	100
A1245(Trans)	2403
A1246(Trans)	290A
A1246S(Trans)	290A
A1246T(Trans)	290A
A1247(Trans)	2411
A1247C25(Trans)	2411
A1248(Audio)	374
A1248R(Audio)	374
A1248S(Audio)	374
A1248T(Audio)	374
A1249(Audio)	374
A1249R(Audio)	374
A1249S(Audio)	374
A1249T(Audio)	374
A1252(Trans)	2409
A1252D4(Trans)	2409
A1252D5(Trans)	2409
A1252D6(Trans)	2409
A1252D7(Trans)	2409
A1255(Trans)	2413
A1255O(Trans)	2413
A1256(Trans)	2409
A1256E3(Trans)	2409
A1256E4(Trans)	2409
A1256E5(Trans)	2409
A1257(Trans)	2411
A1257G3(Trans)	2411
A1257G4(Trans)	2411
A1257G5(Trans)	2411
A1263	37
A1263-O	37
A1263-R	37
A1264	37
A1264N	37
A1264-O	37
A1264-R	37
A1265	37
A1265-O	37
A1265-R	37
A1270(Trans)	290A
A1270-O(Trans)	290A
A1270Y(Trans)	290A
A1271(Trans)	383◆
A1271-O(Trans)	383◆
A1271Y(Trans)	383◆
A1272(Trans)	383◆
A1272-O(Trans)	383◆
A1272Y(Trans)	383◆
A1274(Trans)	298
A1274-O(Trans)	298
A1274Y(Trans)	298
A1275(Trans)	32
A1275O(Trans)	32
A1275R(Trans)	32
A1279	378#
A1279-O	378#
A1298(Trans)	2407
A1298O(Trans)	2407
A1298Y(Trans)	2407
A1301(Trans)	2329
A1301-O(Trans)	2329
A1301-R(Trans)	2329
A1302(Trans)	2329
A1302-O(Trans)	2329
A1302-R(Trans)	2329
A1303	2306#
A1305	153#
A1305-O	153#
A1307	378#
A1307-O	378#
A1308	378◆
A1308-O	378◆
A1310(IC)	1230
A1312(Trans)	2411
A1312G(Trans)	2411
A1313(Trans)	2407
A1313O(Trans)	2407
A1313Y(Trans)	2407
A1314	128
A1316	91
A1331(Trans)	2407
A1338(Trans)	2407
A1338AL4(Trans)	2407
A1338AL5(Trans)	2407
A1341	128
A1341(Trans)	2419
A1342	710
A1342(Trans)	2417
A1344(Trans)	2415
A1345(Trans)	2360
A1346(Trans)	2358
A1348(Trans)	2356
A1353	1080
A1357N	1483
A1362(Trans)	2407
A1364	1004
A1364(Trans)	2429
A1364N	1004
A1365	712
A1365(Trans)	2407
A1365E(Trans)	2407
A1365F(Trans)	2407
A1365P	712
A1366(Trans)	2407
A1366D(Trans)	2407
A1366E(Trans)	2407
A1366F(Trans)	2407
A1367	1159
A1368	738
A1369(IC)	1178
A1373	1094
A1374	1121
A1375	1122
A1376	1122
A1377	160
A1378	160
A1379	123A
A-1379	123A
A-1380	123A
A1380	123A
A1383	126A
A-1384	160
A1384	126A
A1389(Trans)	34
A1396	101
A1401(C-COR)	77
A1401-0	77
A1401-2	316
A1401-3	77
A1401-4	77
A1401-5	77
A1401-6	77
A1402(C-COR)	77
A1402-0	278
A1403-0	77
A1405-0	76
A1408(Trans)	374
A1409	154
A1412-1	123A
A1414A	121
A1414A9	121
A1415(Trans)	2431
A1415(C-COR)	76
A1415R(Trans)	2431
A1417(C-COR)	76
A1418(Trans)	2431
A1418R(Trans)	2431
A1420(Trans)	2360
A1421(Trans)	2358
A1423(Trans)	2356
A1431	12
A1460	199
A1462	108
A1465-1	160
A1465-4	101
A1465-19	160
A1465-29	103A
A1465-49	101
A1465A	160
A1465A9	160
A1465B	160
A1465B9	160
A1465C	121
A1465C9	121
A1466-1	102A
A1466-2	102A
A1466-3	102A
A1466-19	102A
A1466-19-	102A
A1466-29	102A
A1466-39	102A
A1472-19	123
A1474-3	100
A1474-39	100
A1477A	105
A1477A9	105
A1477B	121MP
A1477B9	121MP
A1477C	121
A1477C9	121
A1484A	121
A1484A9	121
A1488B	160
A1488B9	160
A1488C	100
A1488C9	100
A1492-1	105
A1492-19	105
A1493(Trans)	59
A1494(Trans)	59
A1516(Trans)	2329
A1516-O(Trans)	2329
A1516-R(Trans)	2329
A1518	108
A1519	108
A1520	108
A1521	108
A1558-17	159
A1565	228A
A-1567	123A
A1567	123A
A1567-1	123A
A-1634 1125	519
A1820-0203-1	941
A1820-0219-1	941M
A1821-0001-1	912
A1826-0007-1	941
A1844-17	159
A-1853-0009-1	106
A-1853-0010-1	106
A-1853-0016-1	159
A-1853-0020-1	159
A-1853-0027-1	159
A-1853-0034-1	106
A-1853-0036-1	159
A-1853-0039-1	159
A-1853-0041-1	129
A-1853-0049-1	159
A-1853-0050-1	234
A-1853-0053-1	218
A-1853-0058-1	159
A-1853-0062-1	159
A-1853-0063-1	218
A-1853-0065-1	159
A-1853-0066-1	234
A-1853-0077-1	234
A-1853-0086-1	234
A-1853-0092-1	159
A-1853-0098-1	234
A-1853-0099-1	159
A-1853-0220-1	218
A-1853-0233-1	153
A1853-0233-1	197
A-1853-0234-1	153
A-1853-0254-1	153
A-1853-0285-1	159
A-1853-0300-1	234
A-1853-0321-1	159
A-1853-0404-1	199
A-1854-0003-1	123A
A-1854-0019-1	123A
A-1854-0022-1	128
A-1854-0023-1	199
A-1854-0025-1	123A
A-1854-0027-1	123A
A-1854-0071-1	123A
A-1854-0087-1	128
A-1854-0088-1	199
A-1854-0090-1	128
A-1854-0092-1	107
A-1854-0094-1	123A
A-1854-0099-1	123A
A-1854-0201-1	123A
A-1854-0215-1	123A
A-1854-0241-1	123A
A-1854-0246-1	123A
A-1854-0251-1	123A
A-1854-0255-1	123A
A-1854-0284-1	199
A-1854-0291-1	130
A-1854-0294-1	130
A-1854-0354-1	123A
A-1854-0358-1	194
A-1854-0365-1	194
A-1854-0408-1	123A
A-1854-0420-1	152
A-1854-0434-1	123A
A-1854-0449-1	175
A-1854-0458	181
A-1854-0464	152
A-1854-0471-1	123A
A-1854-0474-1	194
A-1854-0485	108
A-1854-0492-1	123A
A1854-0533	194
A-1854-0533	194
A-1854-0541-1	123A
A-1854-0554-1	123A
A-1854-JBD1	108
A1858	101
A1867-17	159
A1884-0209	5697
A1884-0218	5697
A-1901-0025-1	177
A-1901-0033-1	177
A-1901-0050-1	519
A-1901-0053-1	177
A-1901-0096-1	177
A-1901-044-1	519
A-1901-0150-1	177
A-1901-0156-1	177
A-1901-0196-1	519
A-1901-0461-1	519
A-1901-1067-1	177
A1901-5338	159
A-1946	116
A1946	116
A-2008-9140	519
A-2010-5409-B	912
A-2010-5409-RB	912
A2019ZC	123A
A2039-2	101
A2057A2-198	159
A2057B2-115	107
A2057B104-8	154
A2057B106-12	159
A2057B108-6	159
A2057B110-9	129
A2057B112-9	129
A2057B114-9	129
A2057B115-9	129
A2057B116-9	129
A2057B121-9	129
A2057B122-9	129
A2057B145-12	129
A2057B163-12	129
A2060(TRANS)	293
A2060P(TRANS)	293
A2060Q(TRANS)	293
A2090	154
A2311	234
A2332	161
A2402 @	A40240-@-116
A2402A	A40240
A2410 @	123A-@-A40240
A2410A	A40240
A2411	123A
A2412	123A
A2413	123A
A2414	158
A2415	175
A2416	195A
A2417	163A
A2418	130
A2419	109
A2420	109
A2421	116
A2422	116
A2423	156
A2425	A40240
A2425A	A40240
A2428	159
A2434	123A
A2440	A40240
A2448	159
A2458	506
A2459	118
A2460	116
A2461	116
A2462	116
A2464	161
A2465	161
A2466	123A
A2468	123A
A2469	123A
A2470	123A
A2471	128
A2473	109
A2474	142A
A2475	113A
A2476	109
A2479	161
A2480	161
A2481	116
A2482	129
A2485	116
A2498	108
A2499	123A
A2620	154
A2652-919	312
A2746	161
A2798	159
A2920	316
A3148	727
A3201(IC)	1179
A3300	1005
A3301	1006
A3301A	1006
A3310	1230
A3350	1217
A3513	159
A3523	129
A3533	129
A3533-1	129
A3540	159
A3545	225
A3547	225
A3549	159
A3552	225
A3553	225
A3559	159
A3562	159
A3563	159
A3574	159
A3581	159
A3582	225
A3607	101
A3609	101
A3616-1	129
A4030	1008

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
A4030P	1009
A4031	1010
A4031P	1010
A4032	1011
A4032P	1011
A4050	1150
A4050P	1150
A4051	1150
A4051P	1150
A4086	159
A4087	159
A4100	1180
A4101	1180
A4101(IC)	1180
A4102(IC)	1228
A4126	159
A4131P	1010
A4185T(IC)	1637
A4201	113A
A4212A	125
A4212-A	116
A4247	121
A4260(IC)	1685
A4261(IC)	1685
A4261T(IC)	1685
A4310	159
A4347	121
A4400	1193
A4400(IC)	1193
A4400Y	1211
A4430	1211
A4442	159
A4478	129
A4648	154
A4700	101
A4745	159
A4789	108
A4802-00004	159
A4808	A25480
A4812	A25480
A4815	159
A4819	154
A4822-130-40348	159
A4825	A25480
A4838	154
A4843	154
A4844	159
A4851	108
A4853	154
A5226-1	159
A5253	121
A6015Q	5649
A6181-1	154
A6358S(IC)	928S
A6364K	187A
A6364L	187A
A7253	154
A7343AP(IC)	1657
A7343P(IC)	1657
A7520N(IC)	1728
A7614AP(IC)	1654
A7630P(IC)	1576
A7643P(IC)	1617
A7668AP(IC)	1651
A7668BP(IC)	1651
A7910(IC)	1658
A8405	159
A8540	159
A8867	159
A9218	519
A9228-3	519
A9903	6408
A-10105	116
A10105	116
A10113	116
A-10113	116
A-10118	116
A10118	116
A10142	116
A10164	116
A10165	116
A10169	116
A11229(IC)	1575
A11436A(IC)	1650
A11744	312
A11745	312
A12163	121
A12178	121
A12411(IC)	1579
A12546	154
A12594	159
A12888	159
A13658E	712
A13658E3	712
A14010-0	316
A14665-2	103A
A14743	175
A15927	121
A20371	109
A20372	123A
A21268	138A
A22008	159
A22370-1	858M
A22370-2	858M
A22370-4	859
A24015(RadShk)	177
A24031(Rad Shk)	177
A24060(Rad Shk)	519
A24100	123A
A25762-010	154
A25762-012	154
A30270	159
A30278	129
A30290	159
A30302	121
A34715	121
A35084	121
A35201	121
A35260	121
A36508	109
A36539	142A
A36577	129
A-36617	519
A36896	121
A40410	129
A40601	284◆
A41440	159
A-41764	525
A-41766	5986
A-42125	519
A-42126	519
A-42130	5802
A-42160	109
A-42180	177
A-42196	116
A-42218	177
A-42242	519
A-42340	5315
A-42342	5890
A42946	113A
A42946B	113A
A46051-1	124
A47392R-0	128
A49463	358
A-54806-A	5547
A59625-1	159
A59625-2	159
A59625-3	159
A59625-4	159
A59625-5	159
A59625-6	159
A59625-7	159
A59625-8	159
A59625-9	159
A59625-10	159
A59625-11	159
A59625-12	159
A61239FA	8090
A61255FA	8096
A61271FA	8098
A61301FA	8103
A61336FA	8108
A61352FA	8115
A61379FA	8118
A61395FA	8125
A61417FA	8139
A61433FA	8149
A61468FA	8167
A61484FA	8181
A61522FA	8213
A61549FA	8226
A65023-63	159
A67335H	289A
A71687-1	159
A73301	294
A73302	294
A76228	199
A78331	159
A94004	121
A94037	159
A94063	129
A95115	101
A95211	101
A95227	159
A95232	159
A112363	130
A-113110	159
A-113335	5944
A-113367(Pwr. Rect.)	125
A-113367(Diode)	519
A116078	159
A116081	154
A116084	129
A116284	129
A-118038	125
A118284	159
A119730	159
A119983	129
A-120018	128
A-120077	5021A
A-120125(Diode)	177
A-120125(Pwr. Rect.)	125
A-120278	123A
A-120304	175
A-120327	130
A-120407	5188A
A-120417	159
A-120420	5005A
A-120526	159
A121467	159
A121659	159
A124047	159
A124623	108
A124624	108
A124755	159
A-125278	5013A
A125329	108
A-125332	123A
A126524	159
A126700	159
A126705	154
A126707	159
A126715	159
A126718	159
A126719	159
A126724	129
A127364	176
A127712	154
A129509	108
A129510	108
A129511	108
A129512	108
A129513	108
A129571	108
A129572	108
A129573	108
A129574	108
A129697	159
A129699	159
A130139	159
A-132591	5802
A133104(Trans)	2407
A133105(Trans)	2407
A133106(Trans)	2407
A-134166-2	142A
A-140605	130
A188103	192
A190429	159
A198794-1	101
A218012DS	121
A297074C11	129
A300043-06	176
A322805-50-1	128
A335854	912
A391593	181
A417014	181
A417032	152
A417033	130
A417034	192
A417756	197
A489751-028	159
A489751-031	159
A573501	154
A610074-1	159
A610075-1	154
A610083	159
A610083-1	159
A610083-2	159
A610083-3	159
A610110-1	159
A610120-1	159
A610390-1	106
A631961	235
A650232E	159
A650235G	290A
A650236A	159
A650237F	290A
A650238A	290A
A650372D	290A
A650923F	290A
A650925C	290A
A650925H	290A
A660031	121MP
A660097	121
A670720K	123A
A670722D	123A
A670729B	123AP
A671656A	295
A671656K	295
A673351K	289A
A673354K	289A
A673355H	289A
A673355K	289A
A675315F	171
A675318A	287
A675419H	199
A678760A	198
A678760C	198
A678970A	198
A678970H	198
A678971C	198
A678971D	198
A683401	175
A701584-00	159
A701589-00	159
A720657	5547
A759500	125
A772738	108
A772739	108
A815185	129
A815185E	129
A815199	159
A815199-6	159
A815203-5	121MP
A815211	159
A815213	159
A815229	159
A815247	159
A970246	159
A970248	159
A970251	159
A970254	159
A984193	159
A1471114-1	159
A1473549-1	129
A1473563-1	159
A1473570-1	159
A1473574-1	159
A1473590-1	159
A1473591-1	159
A1473597-1	159
A1473616-1	129
A1746711	177
A2006681-95	108
A2057013-0004	159
A2057013-0701	159
A2057013-0702	159
A2057013-0703	159
A2090056-1	121
A2090056-5	121
A2090056-27	121
A2091859-0025	121
A2091859-0720	121
A2091859-10	121
A2091859-11	121
A2092418	101
A2092418-0711	101
A2092693-0724	108
A2092693-0725	108
A2370773	199
A2498512	159
A3011112	128
A3115621	116
A3115690	558
A3170717	154
A3170757	225
A3902441	130
A4037764-2	129
A5010005	519
A5320111	159
A6041840	458
A6041880	458
A6046940	159
A6048403(SGD)	459
A6235070	399
A6314340	198
A6314446	289A
A6315611	235
A6317420	85
A6317440	85
A6317460	85
A6317480	85
A6317520	85
A6317526	85
A6317540	85
A6317547	85
A6317560	85
A6317567	85
A6317581	85
A6317800	165
A6317801	165
A6317802	165
A6317900	238
A6317901	238
A6319300	85
A6319302	85
A6319340	85
A6319400	376
A6319403	376
A6319500	375
A6319550	375
A6319576	375
A6319611	235
A6319640	322
A6321241	289A
A6324842	399
A6324922	399
A6324924	287
A6324940	399
A6324942	399
A6324992	399
A6325060	399
A6325070	399
A6330000	399
A6330004	399
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A6333320	24
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A6360250	399
A6501760	153
A6502360	294
A6509120	290A
A6509121	290A
A6509140	290A
A6509141	290A
A6509240	290A
A6531140	290A
A6531540	234
A6532300	398
A6532320	398
A6532841	162
A6532921	129
A6532941	290A
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A6534020	290A
A6534021	290A
A6534040	290A
A6534045	290A
A6534063	290A
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A6534125	25
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A6610160	153
A6707244	123AP
A6708760	316
A6708850	233
A6708861	85
A6708871	85
A6716560	295
A6733280	199
A6733340	199
A6733540	289A
A6733560	289A
A6734592	85
A6737940	229
A6738040	229
A6738701	162
A6754170	199
A6770960	297
A6771373	238
A6773802	94
A6773812	94
A6823540	152
A6823560	152
A6841440	196
A6841460	152
A6842185	377
A6843401	175
A6846005	86
A6846006	86
A6846701	389
A6846801	165
A6846806	165
A6846860	165
A6847905	89
A6848004	89
A6848520	152
A6848908	56
A6852901	2330
A6868654	2302
A6868702	2302
A7000900	109
A7001800	109
A7001957	109
A7102001	552
A7109395	5007A
A7109433	5008A
A7109890	5013T1
A7110015	5014A
A7110016	5011T1
A7110017	5011T1
A7110021	5010A
A7110023	5010A
A7110040	5010A
A7110041	5010T1
A7110052	5013A
A7110055	5013A
A7110076	5013T1
A7110077	5013T1
A7110102	5014A
A7110114	5014A
A7110115	5014A
A7110116	5014A
A7110151	5015A
A7110209	5016A
A7110263	5018A
A7110410	5021A
A7110411	5021T1
A7110412	5021A
A7110503	5024A
A7110508	145A
A7110509	5024A
A7110563	5025A
A7110634	5029A
A7110743	5036A
A7150041	177
A7150258	519
A7150351	519
A7246602	177
A7246653	177
A7246703	177
A7246711	177
A7246727	177
A7246771	177
A7246950	5007A
A7249601	519
A7252802	614
A7252805	614
A7252824	614
A7270300	138A
A7272130	5093A
A7279039	121
A7279049	121
A7283550	519
A7285774	121
A7285778	121
A7285900	5011A
A7286100	137A
A7286107	5013A
A7286120	5013A
A7286201	5071A
A7286300	5071A
A7287100	5019A
A7287500	142A
A7287513	142A
A7288504	5081A
A7289000	611
A7289047	121
A7289800	506
A7290594	121
A7291252	121
A7297043	121
A7297092	121
A7297093	121
A7509201	116
A7568160	552
A7568250	552
A7568300	552
A7568460	552
A7568475	552
A7568476	552
A7568500	116
A7568521	116
A7568600	116
A7568615	116
A7568700	125
A7568719	116
A7568752	116
A7568754	116
A7568800	116
A7570013-01	159
A7572100	116
A7572200	116
A7576004-01	159
A7579500	558
A7580110	125
A7580111	125
A7580660	580
A7580910	506
A7582000	506
A7671002	5312
A7682012	113A
A7682052	116(2)
A7801021(GAK)	5402
A7803610	5465
A7978850	552
A7978855	552
A8015613	129
A8052035	3033
A-11095924	123A
A11159761	519
A-11166527	130
A11200482	159
A-11237336	123A
A11414257	123A
A-11790169	519
A13040347	103A + 102A(CP)
A-18530053-1	218
A20030703-0702	159
A23114050	159
A23114051	159
A23114550	159
A23119548	1684
A25114130	154
A43021415	123A
A43023843	130
A43023845	159
A65447300	39◆
A67531140	290A
A80052402	130
A80414120	130
A80414130	130
AA015	112
AA1	100
AA1A4M	2355
AA1F4M	2357
AA1L4M	2359
AA1M	225
AA2	101
AA2A	225
AA2K	225
AA2SB240A	121
AA2Z	225
AA3	160
AA3M	225
AA4	121
AA5	105
AA8-1-70	160
AA8-1-705	160
AA8-1A9G	160
AA10	147A
AA10-1	147A
AA50	116
AA100	116
AA101	5402
AA102	5404
AA107	5401
AA108	5402
AA109	5402
AA111	109
AA112	109
AA112P	109
AA113	109
AA114	109
AA115	5402
AA116	109
AA116(SCR)	5404
AA117	109
AA118	109
AA119	109
AA120	109
AA121	109
AA123	109
AA130	109
AA131	109
AA132	109
AA133	225
AA133(Diode)	109
AA134	109
AA135	109
AA136	109
AA137	109
AA138	109
AA139	109
AA140	109
AA142	109
AA143	109
AA143S	109
AA144	109
AA200	116
AA218	109
AA300	116
AA310	225
AA400	116
AA500	116
AA600	116
AA779	109
AA800	125
AA1000	125
AA1024-A1	1574
AA1025-A1	840
AA1025-A2	840
AA113852-2	909
AAIA4M	2355
AAIF4M	2357
AAIL4M	2359
AAY10-120	5874
AAY11	519
AAY15	109
AAY18	109
AAY-22	116
AAY22	109
AAY27	109
AAY30	109
AAY33	109
AAY46	109
AAY139	109
AAZ10	109
AAZ15	109
AAZ18	109
AAZ18D	116
AB35H	189
AB50	156
AB100	156
AB200	156
AB300	156
AB400	156
AB500	156
AB600	156
AB700	156
AB800	156
AB1000	156
AB2027	146A
AB4164ANP-15	2164
AC03BGM	5629
AC03BGML	5629
AC03BGMR	5629
AC03DGML	5629
AC03DGMR	5629
AC06BSR	5673
AC06BT	56004
AC06DSR	5675
AC06DT	56006
AC08BGM	5633
AC08BGML	5633
AC08BGR	5633
AC08DGM	5635
AC08DGML	5635
AC08DGMR	5635
AC08EGM	5637
AC08EGML	5637
AC08EGMR	5637
AC08FGM	5637
AC08FGML	5637
AC08FGMR	5637
AC10BGM	5633
AC10BGML	5633
AC10BGMR	5633
AC10BSR	5673
AC10BT	56004
AC10DGM	5635
AC10DGMR	5635
AC10DSR	5675
AC10DT	56006
AC10EGM	5637
AC10EGML	5637
AC10EGMR	5637
AC10FGM	5637
AC10FGML	5637
AC10FGMR	5637
AC12BGM	56004
AC12BGML	56004
AC12BGMR	56004
AC12DGM	56006
AC12DGML	56006
AC12DGMR	56006
AC12EGM	56008
AC12EGML	56008
AC12EGMR	56008
AC12FGM	56008
AC12FGML	56008
AC12FGMR	56008
AC16BGDS	5673
AC16DGDS	5675
AC16EGDS	5677
AC16FGDS	5677
AC30	156
AC50	156
AC50(DIODE)	177
AC50(Rectifier)	5800
AC100	156
AC100(Philco)	283
AC105	102A
AC106	102A
AC107	160
AC-107	102A
AC107M	160
AC108	102A
AC109	102A
AC110	102A
AC113	102A
AC-113	102A
AC-113A	102A
AC114	102A
AC-114	102A
AC115	102A
AC116	102A
AC-116	102A
AC-117	102A
AC117	102A
AC117A	102A
AC-117A	102A
AC117B	102A
AC117P	102A
AC-117P	102A
AC118	102A
AC119	102A
AC120	102A
AC121	102A
AC-121IV	102A
AC121-IV	102A
AC121-V	102A
AC121V	102A
AC121VI	102A
AC121-VI	102A
AC121VII	102A
AC121-VII	102A
AC-122	102A
AC122	102A
AC122-30	102A
AC122GRN	102A
AC122RED	102A
AC122YEL	102A
AC123	102A
AC-123	102A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
AC124	102A
AC-125	102A
AC125	102A
AC-126	102A
AC126	158
AC127	103A
AC-127	103A
AC127-01	103A
AC127/01	103A
AC127-132	103A
AC127/AC132	103A + 102A(CP)
AC127/K	103A
AC-128	102A
AC128	158
AC128/01	158
AC128-01	158
AC128K	158
AC129	160
AC130	101
AC131	102A
AC131-30	158
AC132	102A
AC-132	102A
AC132-01	102A
AC133A	102A
AC134	102A
AC135	102A
AC136	102A
AC137	102A
AC138	158
AC139	158
AC141	103A
AC141B	103A
AC-141B	103A + 158(CP)
AC-141K	103A + 158(CP)
AC141K	103A
AC142	158
AC142K	158
AC148	121
AC150	102A
AC-150	102A
AC150GRN	102A
AC150YEL	102A
AC-151	102A
AC151	102A
AC151-IV	102A
AC151IV	102A
AC151R	102A
AC151-RIV	102A
AC151RIV	102A
AC151-RV	102A
AC151RV	102A
AC151-RVI	102A
AC151RVI	102A
AC151V	102A
AC151-V	102A
AC151VI	102A
AC151-VI	102A
AC151-VII	102A
AC151VII	102A
AC-152	102A
AC152	102A
AC152-IV	102A
AC152IV	158
AC152-V	102A
AC152V	102A
AC152VI	102A
AC152-VI	102A
AC153	158
AC153K	158
AC154	158
AC-154	102A
AC155	102A
AC-155	102A
AC-156	102A
AC156	102A
AC157	103
AC-157	103A
AC160	102A
AC160A	102A
AC160B	102A
AC160GRN	102A
AC160RED	102A
AC160YEL	102A
AC-161	102A
AC161	102A
AC-162	102A
AC162	102A
AC163	102A
AC164	126A
AC-165	102A
AC165	102A
AC-166	102A
AC166	158
AC167	158
AC-167	102A
AC-168	102A
AC168	102A
AC169	126A
AC-169	102A
AC170	102A
AC171	102A
AC172	103A
AC-172	103A
AC173	102A
AC175	103A
AC-175A	103A
AC-175B	103A
AC-175P	103A
AC176	103A
AC176K	158
AC178	158
AC179	103A
AC180	158
AC180K	158
AC181	103A
AC181K	103A
AC182	102A
AC-183	158 + 103(CP)
AC183	103A
AC184	102A
AC185	103A
AC-186	158 + 103(CP)
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AC187	103A
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AC187D	103A
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ACR83-1005	100
ACR83-1006	100
ACR83-1007	109
ACR83-1008	116
ACR810-101	126A
ACR810-102	126A
ACR810-103	126A
ACR810-104	100
ACR810-105	100
ACR810-106	100
ACR810-107	109
ACR810-108	116
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ACY-17	102A♦
ACY17-1	102A♦
ACY18	102A♦
ACY-18	102A♦
ACY18-1	102A♦
ACY-19	102A♦
ACY19	102A♦
ACY19-1	102A♦
ACY-20	102A♦
ACY20	102A♦
ACY20-1	102A♦
ACY-21	102A♦
ACY21	102A♦
ACY21-1	102A♦
ACY-22	102A♦
ACY22	102A♦
ACY22-1	102A♦
ACY23	102A♦
ACY-23	102A♦
ACY23V	102A♦
ACY23-V	102A♦
ACY23-VI	102A♦
ACY23VI	102A
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ACY32-V	102A
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ACY32-VI	102A
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ACY33VI	158
ACY33-VI	158
ACY33VII	158
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ACY41	102
ACY41-1	102A
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AD8	506
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AD29A-6	159
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AD130-IV	121
AD130-V	121
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AD131/5	121
AD131-III	121
AD131-IV	121
AD131-V	121
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AD132/2	121
AD132/3	121
AD132/4	121
AD132/5	121
AD132-11	121
AD132-111	121
AD132-V	121
AD133	179
AD138	121
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AD140	121
AD142	179
AD143	121
AD143B	121
AD143R	121
AD145	121
AD145-4	121
AD145-5	121
AD145-6	121
AD149	104
AD-149	121
AD149-01	121
AD149-02	121
AD149-4	121
AD149-5	121
AD149B	121
AD149C	121
AD149-IV	121
AD149V	121
AD149-V	121
AD150	121
AD-150	121
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AD150-4	121
AD150-5	121
AD150-IV	121
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AD4006	125
AD4007	125
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ADC0804LCD	2053
ADC0804LCN	2053
ADC0805LCN	2053
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ADD3501CCN	2052
ADD3501ELC	2052
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ADX1364	519
ADX1518	5002A
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AF106	160
AF106A	160
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AF108	126A
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AF-109	160
AF109R	160
AF110	160
AF111	160
AF112	160
AF113	160
AF114	126A
AF114N	160
AF115	126A
AF115N	160
AF116	126A
AF116N	160
AF117	126A
AF117C	160
AF117N	160
AF119	160
AF120	126A
AF121	160
AF-121	160
AF121/01	160
AF121S	160
AF122	160
AF124	160
AF125	126A
AF126	126A
AF127	126A
AF127/01	160
AF128	160
AF129	126A
AF130	126A
AF131	126A
AF132	126A
AF133	126A
AF134	126A
AF135	126A
AF136	126A
AF137	126A
AF137A	160
AF138	126A
AF138/290	100
AF139	160
AF142	160
AF143	160
AF144	126A
AF146	160
AF147	160
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AF149	160
AF150	160
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AF186	160
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AFY14	160
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AFY18	126A
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AFY18E	160
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AFY39	160
AFY40	160
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AFZ11	160
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AFZ23	100
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AG134	126A
AGH-001	1212
AGH001	1212
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AH805	125
AH810	125
AH815	125
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AK74156	74156
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AL102	127
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AL80130	1112
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ALD-35	123A
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ALS-8922	123A
ALZ10	100
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AM020	116
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AM-025	116
AM-030	116
AM030	116
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AM06200076	503
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AM3	116
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AM27S12DC	74S570
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AM27S13D	74S571
AM27S13DC	74S571
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AM27S18DC	74S188
AM27S18DD	74S188
AM27S19	74S288
AM27S19D	74S288
AM27S19DC	74S288
AM27S20	74S387
AM27S20D	74S387
AM27S20DC	74S387
AM27S21	74S287
AM27S21D	74S287
AM27S21DC	74S287
AM27S28	74S473
AM27S28D	74S473
AM27S28DC	74S473
AM27S29	74S472
AM27S29D	74S472
AM27S29DC	74S472
AM27S30	74S475
AM27S30D	74S475
AM27S30DC	74S475
AM27S31	74S474
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AM27S31DC	74S474
AM27S32	74S572
AM27S32D	74S572
AM27S32DC	74S572
AM27S33	74S573
AM27S33D	74S573
AM27S33DC	74S573
AM27S180	74S479
AM27S180D	74S479
AM27S180DC	74S479
AM27S181	74S478
AM27S181D	74S478
AM27S181DC	74S478
AM27S185	74S454
AM27S185D	74S454
AM27S185DC	74S454
AM31	5838
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AM53	116
AM54	5842
AM63	116
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AM74LS157	74LS157
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AM74LS161	74LS161A
AM74LS162	74LS162A
AM74LS162D	74LS162A
AM74LS162P	74LS162A
AM74LS163	74LS163A
AM74LS170	74LS170
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AM74LS170P	74LS170
AM74LS174	74LS174
AM74LS175	74LS175
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AM74LS190D	74LS190
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AM74LS192P	74LS192
AM74LS193	74LS193
AM74LS195A	74LS195A
AM74LS240	74LS240
AM74LS241	74LS241
AM74LS253	74LS253
AM74LS257	74LS257
AM74LS258	74LS258
AM74LS258D	74LS258
AM74LS258P	74LS258
AM74LS273	74LS273
AM74LS374PC	74LS374
AM74LS377	74LS377

♦, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

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AM74LS670	74LS670
AM74LS670C	74LS670
AM74LS670D	74LS670
Am93L08DC	93L08
AM93L08DC	93L08
AM93L08DM	93L08◆
Am93L08DM	93L08◆
AM93L16DC	93L16
Am93L16DC	93L16
AM93L16DM	93L16◆
Am93L16DM	93L16◆
AM93L16PC	93L16
Am93L16PC	93L16
AM224D	987
AM300	177
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AM301	177
AM301A	177
AM302	177
AM302A	177
AM303	177
AM303A	177
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AM305	177
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AM306	177
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AM733DC	927D
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AM741CT	941
AM748CT	1171
AM2708C	2708
AM2708DC	2708
AM2708PC	2708
AM2716C	2716
AM2716DC	2716
AM2716PC	2716
AM3212	8212
AM3212D	8212
AM3212P	8212
AM3216	8216
AM3216D	8216
AM3216P	8216
AM3235	130
AM8080A	8080A
AM8080AC	8080A
AM8080ACP	8080A
AM8080AP	8080A
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AM8212C	8212
AM8212CP	8212
AM8216	8216
AM8216P	8216
AM8216PC	8216
AM8224D	8224
AM8224DC	8224
AM8224P	8224
AM8224PC	8224
AM8228	8228
AM8228D	8228
AM8228DC	8228
AM8228P	8228
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AM9080ACP	8080A◆
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AM9102APC	2102
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AM9102BDC	2102
AM9102BPC	2102
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AM9102CPC	2102
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AM9316DM	8316◆
Am9316PC	8316
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Am9318DC	8318
Am9318DC	8318
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AM161011J	123AP
AM161015H	290A
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AM161038H	123AP
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AMU6A7741393	941D
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AMX3560	74LS93
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AMX3565	74LS174
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AMX3567	74LS367
AMX3568	74LS368
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AMX3684	7407
AMX3688	927D
AMX3698	74LS08
AMX3701	74LS86
AMX3706	74LS393
AMX3716	74LS14
AMX3800	74LS139
AMX3803	74LS123
AMX3804	74LS90
AMX3810	74LS221
AMX3864	74LS244
AMX3867	75188
AMX3868	75189
AMX3898	74LS10
AMX3955	74123
AMX4178	123AP
AMX4181	995
AMX4200	834
AMX4225	74LS240
AMX4227	74LS273
AMX4258	941M
AMX4260	961
AMX4261	6880
AMX4321	75452B
AMX4326	927D
AMX4327	922M
AMX4328	74LS38
AMX4330	159
AMX4331	261
AMX4359	75453B
AMX4467	3470
AMX4470	74LS245
AMX4583	74LS138
AMX4584	4050B
AMX4658	74LS27
AMX4659	74LS145
AMX4660	74LS266
AMX4661	778A
AMX4663	74LS629
AMX4666	4040B
AN	123A
AN0153	288
AN-1	116
AN1A4M	2356
AN1F4M	2358
AN1L4M	2360
AN78L05	977
AN78L06	988
AN78L08	981
AN78L09	1902
AN78L12	950
AN78L15	951
AN78L18	1906
AN78L24	1908
AN78M05	960
AN78M05LB	960
AN78M06	962
AN78M08	964
AN78M10	1932
AN78M12	966
AN78M12LB	966
AN78M15	968
AN78M15LB	968
AN78M18	958
AN78M24	972
AN79M05	961
AN79M06	963
AN79M08	965
AN79M12	967
AN79M15	969
AN79M18	959
AN79M24	971
AN103	1192
AN103-0	1192
AN103G	1192
AN115	1226
AN136	1053
AN155	147A
AN156	615A
AN158	749
AN203	1054
AN203AA	1054
AN203BA	1054
AN203BB	1054
AN203C	1054
AN206	1057
AN-206	1057
AN206AB	1057
AN206B	1057
AN206S	1057
AN208	1136
AN208LL	1136
AN210	1055
AN210A	1055
AN210B	1055
AN210C	1055
AN210D	1055
AN211	1056
AN211-A	1056
AN211A	1056
AN211AB	1056
AN211-AB	1056
AN211-B	1056
AN211B	1056
AN213	1059
AN213AB	1059
AN214	1058
AN-214P	1058
AN214P	1058
AN214-PQR	1058
AN214PQR	1058
AN214PR	1058
AN-214Q	1058
AN214Q	1058
AN214-Q	1058
AN214QR	1058
AN214-R	1058
AN214R	1058
AN216	1125
AN217	1060
AN217AA	1060
AN217AB	1060
AN217B	1060
AN217BA	1060
AN217BB	1060
AN217CA	1060
AN217CB	1060
AN217P	1060
AN217PBB	1060
AN220	1061
AN221	712
AN222	1004
AN225	1062
AN227	1063§
AN228	1065
AN228W	1065
AN229	1064
AN230	1065
AN231	1066
AN234	1067
AN236	1123
AN238	749
AN238S	749
AN239	1161
AN239B	1161
AN239Q	1161
AN239QA	1161
AN239QB	1161
AN240	712
AN-240	712
AN240D	712
AN240P	712
AN240PD	712
AN240PN	712
AN240S	712
AN241	1162
AN241D	1162
AN241P	1162
AN241PD	1162
AN242	1068
AN245	1164
AN246	1164
AN247	1173
AN247P	1173
AN253	1072
AN253AB	1072
AN253B	1072
AN253BB	1072
AN259	1487
AN259SA	1487
AN260	1074
AN262	1263
AN271	1181
AN271A	1181
AN271B	1181
AN272	1450
AN272S	1450
AN274	1137
AN277	1073
AN277A	1073
AN277-A	1073
AN277-AB	1073
AN277AB	1073
AN277-B	1073
AN277B	1073
AN277BA	1073
AN278	1448
AN278/S	1448
AN287	1569
AN288	1069
AN289	1182
AN295	1587
AN301	1446
AN301/T	1446
AN302	1264
AN303	1265
AN304	1400
AN304A	1400
AN305	1266
AN313	1444
AN313/N	1444
AN313U	1444
AN315	1240
AN316	1267
AN318	1268
AN326	1250
AN328	1070
AN331	1168
AN337	1269
AN340	1454
AN340P	1454
AN340Q	1454
AN342	1071
AN343	1163
AN360	1223
AN362	1248
AN362L	1248
AN363	1217
AN363N	1217
AN366	1242
AN366P	1242
AN374	1224
AN374/A	1452
AN374P	1452
AN377	788
AN380	1191§
AN610	1442
AN610C	1442
AN610P	1442
AN612	1249
AN640	1270
AN640G	1270
AN829	1439
AN829P	1439
AN829S	1439
AN1358	928M
AN1458	778A
AN1741	941M
AN2390A	1161
AN5010	1402
AN5010-O	1402
AN5020	1682
AN5020-R	1682
AN5070	1688
AN5111	1440
AN5111-OA	1440
AN5132	1551
AN5132-R	1551
AN5215	1234
AN5250	1404
AN5250-O	1404
AN5255	1663
AN5255-R	1663
AN5256	1663
AN5310	1410
AN5310K	1410
AN5310KL	1410
AN5310L	1410
AN5310M	1410
AN5310N	1410
AN5311	1410
AN5311KL	1410
AN5311-V	1410
AN5315	1726
AN5315-Q	1726
AN5318	1747
AN5318A	1747
AN5318A-R	1747
AN5320	1415
AN5320-V	1415
AN5330	1437
AN5330-V	1437
AN5340	1401
AN5410	1417
AN5410-T	1417
AN5411	1299
AN5411-R	1299
AN5416	1683
AN5416-Q	1683
AN5435	1295
AN5435-R	1295
AN5436	1727
AN5436A-R	1727
AN5436N	1727
AN5440	1403
AN5510	1406
AN5510-N	1406
AN5512	1674
AN5512-Q	1674
AN5515	1684
AN5515-R	1684
AN5515X	1684
AN5520	1485
AN5520-N	1485
AN5700	1615
AN5700-R	1615
AN5703	1625
AN5710	1620
AN5710P	1620
AN5712	1618
AN5712R	1618
AN5720	1607
AN5722	1610
AN5730	1234
AN5732	1234
AN5740	1612
AN5752	1629
AN5753	1629
AN5753P	1629
AN6041	1709
AN6209	1710
AN6209K	1710
AN6291	1744
AN6291Y	1744
AN6300	1412
AN6300-Q	1412
AN6306	1712
AN6307	1711
AN6310	1621
AN6320N	1419
AN6320-Q	1419
AN6321	1622
AN6326N	1689
AN6328	1713
AN6330	1419
AN6331	1422
AN6332	1422
AN6332-Q	1422
AN6340	1428
AN6341	1425
AN6341H	1425
AN6341N	1425
AN6341-Q	1425
AN6342	1427
AN6342N	1427
AN6342-Q	1427
AN6343	1700
AN6344	1428
AN6344-Q	1428
AN6345	1568
AN6350	1701
AN6360	1702
AN6361N	1703
AN6362N	1314
AN6387	1630
AN6387P	1630
AN6390	1623
AN6551	1529
AN6551-W	1529
AN6552	778A
AN6552F	778A
AN6553	778A
AN6558	778A
AN6561	928S
AN6562	928M
AN6570	941M
AN6572	778A
AN6677	1613
AN6811	1421
AN6811-Y	1421
AN6821	1499
AN6821-Y	1499
AN6873N	1715
AN6875	1503
AN6875BA	1503
AN6876	1502
AN6876B	1502
AN6877	1501
AN6877BA	1501
AN6878	1500
AN6878BB	1500
AN6884	1561
AN6912	834
AN6913	1718
AN7110	1704
AN7112	1465
AN7115	1381
AN7115F	1381
AN7115-R	1381
AN7120	1463
AN7130	1363
AN7130-R	1363
AN7131	1365
AN7131-R	1365
AN7140	1365
AN7145	1383
AN7145M	1383
AN7145-R	1383
AN7146	1367
AN7146M	1367
AN7146-R	1367
AN7154	1369
AN7154-R	1369
AN7156	1371
AN7156N	1371
AN7156-R	1371
AN7158	1373
AN7158N	1373
AN7158-R	1373
AN7166	1373
AN7168	1395
AN7168N	1395
AN7218	1563
AN7218H	1563
AN7310	1435
AN7311	1435
AN7311-G	1435
AN7410	1560
AN7410N	1560
AN7410NR	1560
AN7410NS	1560
AN7420	1657
AN7420N	1657
AN7805	960
AN7806	962
AN7808	964
AN7812	966
AN7812LB	966
AN7815	968
AN7818	958
AN7824	972
AN7905	961
AN7906	963
AN7908	965
AN7912	967
AN7915	969
AN7918	959
AN7924	971
AND101RG	3016
AND103G	3014
AND104R	3012A
AND105G	3015
AND105R	3013A
AND113R	3025
AND114G	3024
AND114R	3018
AND114Y	3021
AND121R	3000
AND122G	3003
AND122R	3004
AND123R	3007
AND124G	3010
AND124Y	3011
AND312R	3056
AND313R	3052
AND314R	3065
AND1140R	3023
AND1240R	3009
AN-G5B	125
AN-G-5B	116
ANIA4M	2356
ANIF4M	2358
ANIL4M	2360
ANJ101	159
AO1	126A
AO4A	A40240
AO4B	A40240
AO7	101
AO8A	A40240
AO8B	A40240
AO1001	5638
AO1002	5638
AO1003	5638
AO1004	5638
AO1021	5638
AO1022	5638
AO1023	5645◆
AO1024	5645◆
AO1061	5638
AO1062	5638
AO1063	5645◆
AO1064	5645◆
AO1101	5638
AO1102	5638
AO1103	5645◆
AO1104	5645◆
AO1141	5645◆
AO1142	5645◆
AO1143	5645◆
AO1144	5645◆
AO3001	5638
AO3002	5638
AO3003	5638
AO3004	5638
AO4093-X	506
AO4230-A	506
AO4241-A	506
AP1125	323
AP1126	323
AP1127	129
AP1130	323
AP1133	129
AP1134	129
APB-11A-1008	102A
APB-11H-1001	160
APB-11H-1004	160
APB-11H-1007	126A
APB-11H-1008	102
APB-11H-1010	102A
A-PS-1503399-0-0	218
A-PS-1509730-0-0	181
A-PS-1510196-0-0	181
APS-AH1	501B
AQ2	128
AQ2(Philco)	116
AQ3	128
AQ3(Philco)	116
AQ4	123
AQ5	128
AQ6	123
AR-4	121
AR4	104
AR5	104
AR-5	121
AR-6	121
AR6	104
AR7	104
AR-7	121
AR7C	116
AR-8	121
AR8	121
AR8P404R	121
AR9	121
AR-9	121
AR10	121
AR-10	121
AR11	121
AR-11	121
AR12	121
AR-12	121
AR13	121

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
AR-13	121
AR14	121
AR-14	121
AR15	130
AR-15	124
AR15-L8-0026	130
AR16	116
AR-17	152
AR17	116
AR17(Grey)	152
AR17(Transistor)	152
AR17 (Philco)	175
AR17A	175
AR17B	175
AR18	116
AR-18	124
AR18(Diode)	116
AR18 (Philco)	175
AR19	116
AR20	116
AR21	116
AR22	116
AR22(rectifier)	116
AR22(transistor)	184
AR22(Philco)	182
AR23	125
AR23(transistor)	185
AR23(Philco)	183
AR23(rectifier)	5808
AR23(Transistor)	153
AR24	125
AR24(Red)	196
AR24(rectifier)	5808
AR24(transistor)	184
AR24(Philco)	186
AR24(FORD)	196
AR25	197
AR-25	153
AR25(Green)	153
AR25(White)	108
AR25(Orange)	108
AR25G	187
AR26	211
AR27	197
AR27(Green)	153
AR28	196
AR28(Red)	196
AR29	211
AR30	196
AR-30	153
AR35	196
AR37	197
AR37(Green)	153
AR38	196
AR38(Red)	196
AR43	153
AR44	153
AR-102	102A
AR102	158
AR103	160
AR-103	102A
AR104	160
AR-104	102A
AR105	160
AR-105	102A
AR-107	123A
AR107	123A
AR-108	123A
AR108	123A
AR111	161
AR-200	123A
AR200	108
AR200(Green)	107
AR200W	108
AR201	108
AR-201	123A
AR201(Yellow)	108
AR201Y	108
AR-202	123A
AR202	108
AR202(Green)	108
AR202G	108
AR203	128
AR203(Red)	128
AR203R	128
AR204	123A
AR205	123A
AR206	123A
AR207	192
AR208	123A
AR209	161
AR210	161
AR211	161
AR212	108
AR213	85
AR213(Violet)	161
AR213V	161
AR215	123AP
AR218	107
AR218(Red)	161
AR218(Orange)	161
AR218RO	161
AR219	161
AR219YY	107
AR220	161
AR220(Yellow)	107
AR220GY	107
AR221	108
AR222	107
AR222(Yellow)	107
AR222(Blue)	107
AR222BY	107
AR223	159
AR224	107
AR224(White)	107
AR224(Yellow)	107
AR304	290A
AR304(Green)	159
AR304(Red)	129
AR306	123A
AR306(Blue)	123A
AR306(Orange)	123A
AR308	129
AR308(Violet)	159
AR313	108
AR410	6402
AR501	222
AR502	222
AR6011	1276
ARC109	357
AS-2	116
AS2	116
AS3	116
AS-3	116
AS3A	5800
AS3B	5801
AS3C	5802
AS3D	5804
AS3E	5806
AS3F	5808
AS4	116
AS-4	116
AS-5	116
AS5	116
AS6	116
AS11	116
AS-14	116
AS14	116
AS15	116
AS-15	116
AS215	121
AS477	176
AS2010L-1	5417
AS2010L-2	5418
AS2010L-3	5419
AS3428	101
AS33867	102A
AS33868	102A
AS34280	160
ASL802001-1	912
ASY12-1	158
ASY12-2	158
ASY13-1	158
ASY13-2	158
ASY14	158
ASY14-1	158
ASY74	101
ASY86	101
ASY87	101
ASY88	101
ASY89	101
ASY90	102A
ASY91	102A
ASZ10	126A
ASZ11	126A
ASZ15	121
ASZ16	121
ASZ17	121
ASZ18	121
ASZ20N	160
ASZ21	126A
ASZ30	126A
AT-1	160
AT-2	160
AT-3	160
AT4	160
AT-4	160
AT5	160
AT-5	100
AT-6	160
AT6	102A
AT6A	102A
AT-6A	102A
AT-7	128
AT7	192
AT-8	160
AT-9	160
AT-10	130
AT10H	102A
AT10M	102A
AT10N	102A
AT-11	159
AT-12	128
AT12	128
AT-12(PHILCO)	128
AT13	160
AT14	160
AT-14	160
AT15	160
AT-15	100
AT16	160
AT17	160
AT20H	102A
AT20M	102A
AT20N	102A
AT30H	102A
AT30M	102A
AT30N	102A
AT-50	102A
AT50	102A
AT52	101
AT53	101
AT71	101
AT72	101
AT73R	101
AT74	102A
AT74S	102A
AT75R	101
AT76R	101
AT77	101
AT100H	102A
AT100M	102A
AT100N	102A
AT200	127
AT310	107
AT311	107
AT312	107
AT313	107
AT314	107
AT315	107
AT316	107
AT318	107
AT319	107
AT321	107
AT322	107
AT323	107
AT324	107
AT325	107
AT326	107
AT327	107
AT328	107
AT329	123A
AT330	107
AT331	159
AT331A	159
AT332	159
AT332A	159
AT333	159
AT335	123A
AT335A	159
AT336	123A
AT337	123A
AT338	107
AT339	128
AT340	161
AT341	161
AT342	161
AT343	161
AT344	161
AT345	161
AT346	161
AT347	123A
AT348	123A
AT349	123A
AT350	154
AT351	154
AT370	123A
AT380	128
AT381	128
AT382	128
AT383	128
AT384	128
AT385	128
AT386	128
AT387	128
AT388	128
AT391	129
AT392	129
AT393	129
AT394	129
AT395	129
AT396	129
AT397	129
AT398	129
AT400	123A
AT401	123A
AT402	123A
AT403	123A
AT404	123A
AT405	123A
AT406	123A
AT407	123A
AT410	159
AT410-1	159
AT412	159
AT412-1	159
AT413	159
AT413-1	159
AT414	159
AT414-1	159
AT415	159
AT415-1	159
AT416	159
AT416-1	159
AT417	159
AT417-1	159
AT418	159
AT418-1	159
AT419	159
AT419-1	159
AT420	123A
AT421	123A
AT422	123A
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AT427	123A
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AT434	159
AT434-1	159
AT435	159
AT435-1	159
AT436	159
AT436-1	159
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AT437-1	159
AT438	159
AT438-1	159
AT440	128
AT441	128
AT442	128
AT443	128
AT444	128
AT445	128
AT446	128
AT451	159
AT451-1	159
AT452	159
AT452-1	159
AT453	159
AT453-1	159
AT454	159
AT454-1	159
AT455	159
AT455-1	159
AT460	129
AT461	129
AT462	129
AT463	129
AT464	129
AT465	129
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AT467	129
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AT470	128
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AT478	128
AT479	128
AT480	129
AT481	129
AT482	129
AT483	129
AT484	129
AT485	129
AT490	123A
AT491	123A
AT492	123A
AT493	123A
AT494	123A
AT495	123A
AT520	108
AT521	101
AT551	101
AT874	102A
AT1138	179
AT1138A	179
AT1138B	179
AT1833	179
AT1834	179
AT-1856	130
AT1856	130
AT2848	129
AT3260	130
AT5156	129
ATAF1	102A
ATAF2	102A
ATC-SR-3	156
ATC-TR-4	128
ATC-TR-5	121
ATC-TR-6	121
ATC-TR-7	128
ATC-TR-13	128
ATC-TR-14	121
ATC-TR-15	130
ATC-TR-19	152
ATD0325XCC	152
ATGP	102A
ATRF1	126A
AT/RF1	160
ATRF2	126A
AT/RF2	160
ATS13	126A
AT/S13	160
AU01-12	5127A
AU01-13	5128A
AU01-15	5130A
AU01-16	5131A
AU01-18	5133A
AU01-20	5135A
AU01-22	5136A
AU01-24	5137A
AU01-27	5139A
AU01-30	5141A
AU01-33	5142A
AU100N	158
AU101	127
AU102	121
AU103	127
AU104	127
AU105	127
AU106	127
AU107	127
AU108	127
AU110	127
AU111	127
AU112	127
AU113	127
AU2012	142A
AUY10	121
AUY19	121
AUY20	121
AUY-21	121
AUY21A	121
AUY22A	121
AUY28	127
AUY29	179
AUY31	121
AUY33	121
AUY37	179
AUY38	127
AV0000105-0	177
AV01-07	141A
AV5	142A
AV10	147A
AV104(Zener)	5186A
AV105	121
AV105(Zener)	5188A
AV107(Zener)	5194A
AV110	5203A
AV116	5220A
AV2012	142A
AV-2015	145A
AV2015	145A
AV2027	146A
AV2027A	146A
AV2033	147A
AV2055	148A
AV2062	149A
AV2082	150A
AV2110	151A
AV8015(Zener)	5191A
AV8018(Zener)	5194A
AV8022(Zener)	5197A
AV8027	5200A
AV8056	5212A
AV8082	5217A
AVC133	147A
AW01(RCA)	143A
AW01-0	5070A
AW01-06	5070A
AW-01-07	5071A
AW01-08	5072A
AW-01-08	5072A
AW01-08J	5072A
AW-01-09	139A
AW01-09	139A
Aw-01-09	139A
AW01-7	5071A
AW01-9	139A
AW01-9/CP3112030	139A
AW01-9V	139A
AW01-10	140A
AW-01-10	140A
AW01-11	5074A
AW01-12	142A
AW-01-12	142A
AW-01-12C	142A
AW01-12C	142A
AW01-12V	142A
AW01-13	5022A
AW01-15	145A
AW01-16	5075A
AW01-18	5077A
AW01-20	5079A
AW01-22	5080A
AW01-24	5081A
AW01-27	146A
AW01-30	5084A
AW01-33	147A
AW-01-33	147A
AW08-13	143A
AW-08-13	143A
AW09	139A
AW0110	140A
AW0122	5080A
AW-0133	147A
AW91-08	5072A
AWH-24	123A
AWO1-33	147A
AWO9	139A
AWOL-13	5022A
AX12	142A
AX91770	108
AXX3021	2117
AXX3038	2114
AY-1-0212	2043
AY102	127
AYY10-120	5854
AZ-050	135A
AZ-052	136A
AZ-054	136A
AZ-056	136A
AZ-058	5070A
AZ-061	137A
AZ-063	137A
AZ-065	5071A
AZ-067	5071A
AZ-069	5071A
AZ-071	138A
AZ-073	138A
AZ-075	138A
AZ-077	5072A
AZ-079	5072A
AZ-081	5072A
AZ-083	5072A
AZ-085	5073A
AZ-088	5073A
AZ-090	139A
AZ-092	139A
AZ-094	140A
AZ-096	140A
AZ-098	140A
AZ3.3	5066A
AZ3.6	134A
AZ3.9	5067A
AZ4.3	5068A
AZ4.7	5069A
AZ5.1	135A
AZ5.6	136A
AZ6.2	137A
AZ6.8	5071A
AZ7	144A
AZ7.5	138A
AZ8.2	5072A
AZ9.1	139A
AZ10	140A
AZ11	5074A
AZ12	142A
AZ13	143A
AZ15	145A
AZ-15	145A
AZ18	5027A
AZ22	5030A
AZ27	146A
AZ27A	146A
AZ-100	140A
AZ-105	5074A
AZ-110	5074A
AZ-115	141A
AZ-120	142A
AZ-125	143A
AZ-130	143A
AZ-135	144A
AZ-140	144A
AZ-145	145A
AZ-150	145A
AZ-157	5075A
AZ-162	5075A
AZ-167	5076A
AZ-172	5076A
AZ-177	5077A
AZ-182	5077A
AZ-187	5078A
AZ-192	5078A
AZ-197	5079A
AZ746	5005A
AZ746A	5066A
AZ747	5006A
AZ747A	134A
AZ748	5007A
AZ748A	5067A
AZ749	5008A
AZ749A	5068A
AZ750	5009A
AZ750A	5069A
AZ751	5010A
AZ751A	5010A
AZ752	5011A
AZ752A	136A
AZ753	5013A
AZ753A	137A
AZ754	5014A
AZ754A	5071A
AZ755	5015A
AZ755A	138A
AZ756	5016A
AZ756A	5072A
AZ757	5018A
AZ757A	139A
AZ758	5019A
AZ758A	140A
AZ759	5021A
AZ759A	142A
AZ957	5014A
AZ957A	5014A
AZ957B	5071A
AZ958	5015A
AZ958A	5015A
AZ958B	138A
AZ959	5016A
AZ959A	5016A
AZ959B	5072A
AZ960	5018A
AZ960A	5018A
AZ960B	139A
AZ961	5019A
AZ961A	5019A
AZ961B	140A
AZ962	5020A
AZ962A	5020A
AZ962B	5074A
AZ963	5021A
AZ963A	5021A
AZ963B	142A
AZ964	5022A
AZ964A	5022A
AZ964B	143A
AZ965	5024A
AZ965A	5024A
AZ965B	145A
AZ966	5025A
AZ966A	5025A
AZ966B	5075A
AZ967	5027A
AZ967A	5027A
AZ967B	5077A
AZ968	5029A
AZ968A	5029A
AZ968B	5079A
AZ969	5030A
AZ969A	5030A
AZ969B	5080A
AZ970	5031A
AZ970A	5031A
AZ970B	5081A
AZ971	5033A
AZ971A	5033A
AZ971B	146A
AZ972	5035A
AZ972A	5035A
AZ972B	5084A
AZ973	5036A
AZ973A	5036A
AZ973B	147A
AZ974	5037A
AZ974A	5037A
AZ974B	5085A
AZ975	5038A
AZ975A	5038A
AZ975B	5086A
AZ976	5039A
AZ976A	5039A
AZ976B	5087A
AZQQ-001GEA	1165
AZQQ001GEA	1165
AZY	107
B00	7442
B0075660	7473
B01	7475
B01-01	116
B01-02	116
B01-02(DIODE)	116
B02	7476
B03	74H76
B06C	116
B071	138A
B090	139A
B094	140A
B0102	116
B0102V	116
B0301-049	181
B02022	5455
B02023	5455
B02025	5457
B02026	5457
B02610	5452
B02611	5453
B02612	5454
B02644	5452
B02645	5453
B02646	5454
B03002	5455
B03003	5455
B03005	5457
B03006	5457
B03604	5452
B03605	5453
B03606	5454
B03641	5452
B03642	5453
B03643	5454
B040130	4013B
B048010	1208
B0272120	1677
B0272490	1677
B0305401	1235
B0306000	1004
B0306004	1004
B0311000	1087
B0311006	1087
B0311007	1087
B0311008	1087
B0311400	1128
B0311402	1128
B0311405	1128
B0313300	1134
B0313400	1133
B0313600	1131
B0313700	1132§
B0313800	1130
B0315500	1200
B0316403	1236
B0316415	1236
B0316451	712
B0318920	1196
B0319200	1155
B0325350	1657
B0325355	1657
B0350500	778A
B0354710	1545
B0354805	1532
B0354806	1532
B0354832	1532
B0354833	1532
B0354901	1532
B0355431	1654
B0356446	1547
B0356448	1547
B0356640	1573
B0356641	1573
B0356690	1651
B0356711	1236
B0470116	4011B
B0470130	4013B
B0470522	4052B
B0470532	4053B
B0470662	4066B
B0470932	4093B
B0474370	40174B
B0475142	4514B
B0480800	1207§
B0480810	1208
B0480820	1197
B1-8.2	5072A
B1-600-03	109
B1-600-04	109
B1-600-08	109
B1-600-11	109
B1-600-12	109
B1A	182
B1A1	116
B1A5	116
B1A9	116
B1B	116
B1B1	116
B1B5	116
B1B9	116
B1C	184
B1C1	116
B1C-1	184
B1C-2	184

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
B1C5	116
B1C9	116
B1D	152
B1D1	116
B1D-1	184
B1D5	116
B1D9	116
B1E	191
B1E(Quasar)	191
B1E-1	191
B1E1	116
B1E1(Quasar)	191
B1E5	116
B1E9	116
B1F	184
B1F1	116
B1F5	116
B1F9	116
B1G	191
B1G1	116
B1G5	116
B1G9	116
B1H	161
B1H1	125
B1H5	125
B1H9	125
B1J	159
B1K	123A
B1K1	125
B1K5	125
B1K9	125
B1M	188
B1M1	125
B1M5	125
B1M9	125
B1N	123A
B1N-1	159
B1N-2	159
B1P	163A
B1P-1	163A
B1P7201	123A
B1R	247
B1T	283
B1U	241
B1U148	184
B1V	286
B1VB40	168
B1W	123A
B1Y	286
B1Z	175
B2A	159
B2A1	116
B2A5	116
B2A9	116
B2B	175
B2B1	116
B2B5	116
B2B9	116
B2C1	116
B2C5	116
B2C9	116
B2D	123A
B2D1	116
B2D5	116
B2D9	116
B2E	159
B2E1	116
B2E5	116
B2E9	116
B2F1	116
B2F5	116
B2F9	116
B2G	159
B2G1	116
B2G5	116
B2G9	116
B2H	162
B2H1	125
B2H5	125
B2H9	125
B2J	184
B2K	186
B2K1	125
B2K5	125
B2K9	125
B2L	283
B2M	188
B2M1	125
B2M-1	159
B2M-2	159
B2M-3	159
B2M5	125
B2M9	125
B2P	286
B2S	159
B2SB241	104
B2SB244	104
B2W	121
B2Y	159
B2Z	107
B-3-12	348
B3-28	346
B3A1	116
B3A5	116
B3A9	116
B3B1	116
B3B5	116
B3B9	116
B3C1	116
B3C5	116
B3C9	116
B3D1	116
B3D5	116
B3D9	116
B3E1	116
B3E5	116
B3E9	116
B3F1	116
B3F5	116
B3F9	116
B3G1	116
B3G5	116
B3G9	116
B3H1	125
B3H5	125
B3H9	125
B3K5	125
B3K9	125
B3M1	125
B3M5	125
B3M9	125
B3N1	506
B3N5	506
B3N9	506
B-3P	109
B4A1	116
B4A-1-A-21	121
B4A5	116
B4A9	116
B4B1	116
B4B5	116
B4B9	116
B4C1	116
B4C5	116
B4C9	116
B4D1	116
B4D5	116
B4D9	116
B4E1	116
B4E5	116
B4E9	116
B4F1	116
B4F5	116
B4F9	116
B4G1	116
B4G5	116
B4G9	116
B4H1	125
B4H5	125
B4H9	125
B4K1	125
B4K5	125
B4K9	125
B4M1	125
B4M5	125
B4M9	125
B-5	176
B5	102A
B5-31S	5400
B5A	102A
B5A(Motorola)	165
B5A(Horizontal)	165
B5A(Quasar)	165
B5A1	116
B5A5	116
B5A9	116
B5B1	116
B5B5	116
B5B9	116
B5C	175
B5C1	116
B5C5	116
B5C9	116
B5D	154
B5D1	116
B5D5	116
B5D9	116
B5E	196
B5E1	116
B5E5	116
B5E9	116
B5F	291
B5F1	116
B5F5	116
B5F9	116
B5G	124
B5G1	116
B5G5	116
B5G9	116
B5H1	125
B5H5	125
B5H9	125
B5J	123A
B5K1	125
B5K5	125
B5K9	125
B6A1	156
B6A5	156
B6A9	156
B6B1	156
B6B-3-A-21	121MP
B6B-3A21	121MP
B6B5	156
B6B9	156
B6C1	156
B6C5	156
B6C9	156
B6D1	156
B6D5	156
B6D9	156
B6E1	156
B6E5	156
B6E9	156
B6F1	156
B6F5	156
B6F9	156
B6G1	156
B6G5	156
B6G9	156
B6H1	156
B6H5	156
B6H9	156
B6K1	156
B6K5	156
B6K9	156
B6N1	506
B6N5	506
B6N9	506
B6P	123AP
B7A1	156
B7A5	156
B7A9	156
B7B1	156
B7B5	156
B7B9	156
B7C1	156
B7C5	156
B7C9	156
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B7E9	156
B7F1	156
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B7H1	156
B7H5	156
B7H9	156
B7K1	156
B7K5	156
B7K9	156
B7M1	156
B7M5	156
B7M9	156
B7N1	506
B7N5	506
B7N9	506
B8P-2-A-21	102A
B8P-2A21	102A
B9L-4-A-21	102A
B9L-4A21	102A
B10A	5322
B10B	5322
B10D	5324
B10F	5326
B10H	5327
B10K	5328
B10Z	5322
B12(Diode)	125
B12-01	116
B12-02	116
B12-02R	116
B12-02RK	116
B12-04	116
B12-06	116
B12-1A21	123A
B12-1-A-21	123A
B12-10	125
B12-12	350
B12-28	357
B13-1029	76
B13-1030	77
B14A-1-21	121
B15-12	350
B18	125
B22	102A
B22-3	102A
B-22-3	102A
B22-4	102A
B-22-4	102A
B22A	102A
B22B	102A
B22H	102A
B22I	102A
B22R	102A
B22S	102A
B22Y	102A
B23	102A
B-23	102A
B23-1	102A
B-23-1	102A
B23-2	102A
B-23-2	102A
B23-79	197
B23-82	196
B24	102A
B24-06B	125
B24-06C	506
B24-06D	506
B-24-1	102A
B24-1	102A
B25	121
B25-12	351
B25-28	359
B25B	121
B-26	102A
B26	104
B26(Japan)	104
B-26-1	102A
B26A	104
B27	104
B28	109
B-28	109
B28(Japan)	104
B29	104
B-30	109
B30	109
B30(Japan)	104
B30-12	351
B30-13	506
B30C50KP	167
B30C250	116
B30C250-1	116
B30C250KP	167
B30C350-1	116
B30C500	116
B30C500/250	166
B30C600	116
B30C600CB	116
B30C1000	166
B-30P	109
B-31	116
B31	116
B31(transistor)	104
B31(rectifier)	116
B32	102A
B32-0	102A
B32-1	102A
B32-2	102A
B32-4	102A
B32N	102A
B33	102A
B33-4	102A
B33C	102A
B33D	102A
B33E	102A
B33F	102A
B34	102
B34N	102
B35-02	587
B35C600	116
B37	102A
B37A	102A
B37B	102A
B37C	102A
B37E	102A
B37F	102A
B38	102
B39	102A
B40	102A
B40-12	320
B40-28	360
B40C800	5304
B40C1000	5304
B40C1000A	5304
B40C1500	166
B40C1500R	5304
B40C2000/1500	166
B40C3200-2200N	5309◆
B41	104
B41-04	552
B42	121
B43	102A
B43-04	552
B43A	102A
B44	102A
B44-04	552
B44-06	552
B46	102A
B46-110	113A
B-46-110	178MP
B47	102A
B48	102
B49	102A
B50	116
B51	116
B51(Japan)	102
B52	102
B53	102
B54	102A
B54B	102A
B54E	102A
B54F	102A
B54Y	102A
B55	116
B55(Transistor)	102A
B56	102A
B56-15	5802
B56-33	5801
B56A	102A
B56B	102A
B56C	102A
B57	102A
B58	158
B59	116
B60	102A
B60A	102A
B60C300	116(4)
B61	102A
B62	226
B63	131
B64	127
B65	102A
B65-1A21	160
B65-1-A-21	160
B65-2A21	103A
B65-2-A-21	103A
B65-4A21	101
B65-4-A-21	101
B65A-1-21	160
B65B-1-21	160
B65C-1-21	121
B66	102A
B66-1-A-21	102A
B66-1A21	102A
B66-2A21	102A
B66-2-A-21	102A
B66-3-A-21	102A
B66-3A21	102A
B66H	102A
B66X0035-001	118
B66X0036-001	119
B66X0040-001	142A
B66X0040-002	5079A
B66X0040-003	139A
B66X0040-004	5141A
B66X0040-005	140A
B66X0040-006	130
B66X0040-007	5081A
B66X0040-008	5100A
B66X0041-001	120
B69	121
B71	102A
B72	102
B73	102A
B73A	102A
B73B	102A
B73C	102A
B73GR	102A
B74	158
B74-3-A-21	100
B74-3A21	100
B75	102A
B75A	100
B75AH	102A
B75B	102A
B75C	102A
B75F	102A
B75H	102A
B75LB	102A
B76	102A
B77	102A
B77(Organ)	519
B77(B)	102A
B77A	102A
B77A-1-21	105
B77AA	102A
B77AB	102A
B77AC	102A
B77AD	102A
B77AH	102A
B77AP	102A
B77B	102A
B77B-1-21	121
B77B-11	102A
B77C	102A
B77C-1-21	121MP
B77D	102A
B77D0016-1	5675
B77H	102A
B77T0049	9914
B77V	102A
B77VRED	102A
B78	102A
B79	102A
B80	131
B80C800	5304
B80C1000	5304
B80C1000A	5304
B80C1500	166
B80C1500R	5304
B80C2000/1500	167
B80C3200-2200N	5309◆
B81-004	586
B83	104
B83-7	5697
B84	121
B84A-1-21	121
B85	127
B87	127
B87J0007	128
B88B-1-21	160
B88C-1-21	100
B89	102A
B89A	102A
B89AH	102A
B89H	102A
B90	102A
B91	116
B92	102A
B92-1A21	105
B92-1-A-21	101
B94	102A
B95	102A
B97	102A
B98	102
B-100	77
B100	102
B100(Zener)	140A
B101	102
B103	102
B105	158
B107	121
B107A	121
B108	158
B110	177
B110(Transistor)	102A
B111	177
B111(FARFISA)	177
B111K	102A
B112	102A
B113	102A
B114	102A
B115	102A
B116	102A
B117	102A
B117K	102A
B119	121
B119A	121
B120	102A
B122	121
B123	104
B123A	104
B125C800	5304
B125C1000A	5304
B125C1500	167
B125C1500/1000	168
B125C1500R	5304
B125C2000/1500	168
B125C3200-2200N	5310◆
B126	121
B126A	121
B126AA	121
B126AB	121
B126AC	121
B126AD	121
B126AE	121
B126AF	121
B126AG	121
B126AH	121
B126B	121
B126C	121
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B126V	121
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B127O	121
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B128E	127
B128F	127
B128G	127
B128H	127
B128V	121
B129	127
B130	131
B130A	131
B131	152
B131(Japan)	121
B131A	121
B132	153
B132(Japan)	121
B132A	121
B134	121
B134(Japan)	102A
B134A	121
B134B	102A
B134C	121
B134-D	102A
B134-E	102A
B135	102A
B135A	102A
B135B	102A
B135C	102A
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B135E	102A
B135F	102A
B136	102A
B136-2	102A
B136-3	102A
B136A	102A
B136B	102A
B136C	102A
B136D	102A
B136U	102A
B137	121
B138	121
B140	144A
B141	104
B142	104
B142B	104
B142C	104
B143	104
B143P	104
B144	104
B144P	104
B145	104
B146	104
B147	104
B149	104
B151(Transistor)	104
B152	127
B152(Transistor)	104
B152A	127
B153	102A
B154	102A
B155	102A
B155A	102A
B155B	102A
B156	102A
B156A	102A
B156AA	102A
B156AB	102A
B156AC	102A
B156B	102A
B156BC	102A
B156C	102A
B156D	102A
B156P	102A
B157	126A
B158	126A
B159	126A
B160	126A
B161	102
B163	102
B165	102
B167	158
B168	102A
B-169	123A
B169	123A
B169(Japan)	123A
B170	102A
B171	102A
B171(Japan)	102A
B171A	102A
B171B	102A
B172	102A
B172-5	156
B172-10	156
B172-20	156
B172-30	156
B172-40	156
B172-50	156
B172-60	156
B172-70	156
B172-80	156
B172-90	156
B172-100	156
B172A	102A
B172AF	102A
B172B	102A
B172C	102A
B172D	102A
B172E	102A
B172F	102A
B172H	102A
B172P	102A
B172R	102A
B173	102A
B173A	102A
B173B	102A
B173C	102A
B173L	102A
B174	102A
B175	102A
B175A	102A
B175B	102A
B175C	102A
B175E	102A
B176	102A
B176B	102A
B176M	102A
B176-O	102A
B176P	102A
B176-P	102A
B176-PR	102A
B176PRC	102A
B176R	102A
B177(Japan)	102A
B177A	102A
B177D	102A
B177E	102A
B177M	102A
B177N	102A
B177O	102A
B177P	102A
B177R	102A
B178	102A
B178(Japan)	102A
B178A	102A
B178AA	102A
B178AB	102A
B178AC	102A
B178AD	102A
B178AE	102A
B178AM	102A
B178AN	102A
B178AO	102A
B178AP	102A
B178AQ	102A
B178AR	102A
B178AS	102A
B178AT	102A
B178AU	102A
B178AV	102A
B178AW	102A
B178AX	102A
B178AZ	102A
B178C	102A
B178D	102A
B178M	102A
B178N	102A
B178-O	102A
B178-S	102A
B178T	102A
B178U	102A
B178V	102A
B178X	102A
B178Y	102A
B179	121
B183	102A
B184	102A
B185	102A
B185(O)	102A
B185(0)	102A
B185AA	102A
B185F	102A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
B185P	102A
B186	102A
B186(0)	102A
B186-1	102A
B186 (Sanyo)	102A
B186A	102A
B186AG	102A
B186B	102A
B186BY	102A
B186C	102A
B186G	102A
B186H	102A
B186-K	102A
B186L	102A
B186Y	102A
B187	102A
B187(1)	102A
B187 (Sanyo)	102A
B187AA	102A
B187B	102A
B187C	102A
B187D	102A
B187G	102A
B187K	102A
B187R	102A
B187RED	102A
B187S	102A
B187Y	102A
B187YEL	102A
B188	102A
B191-5	5940
B196	5635
B199	102
B200	102A
B200A	102A
B200C40	116
B201	102A
B202	102
B203AA	179
B204	179
B205	179
B206	179
B215	121
B216	121
B216A	121
B217	121
B217A	121
B217G	121
B217U	121
B219	102
B220	102
B220A	102
B221	102
B221A	102
B222	102
B223	102
B223-10	156
B223-20	525
B223-30	156
B223-40	156
B223-50	156
B223-60	156
B224	102A
B224(Japan)	102
B226	102A
B227	102A
B228	127
B229	127
B230	127
B231	127
B232	127
B233	127
B234	127
B234N	127
B235	213
B235A	213
B236	105
B237	105
B237-12A	105
B237-12B	105
B238	158
B238-12A	158
B238-12B	158
B238-12C	158
B246	104
B247	104
B248	104
B248A	104
B249	179
B249A	179
B250	104
B250A	104
B250C7K4S	116
B250C75	116
B250C75K4	116
B250C75K5	116
B250C75K41	116
B250C75K45	116
B250C100	116
B250C100TD	116
B250C125	116
B250C125K4	116
B250C125N2	116
B250C125X4	116
B250C150	116
B250C150K4	116
B250C250	5305
B-250-C-250	5305
B250C800	5305
B250C800A	5305
B250C1000	5305
B250C1000A	5305
B250C1500	168
B250C1500/1000	169
B250/C1500/1000	169
B250C3200-2200N	5311♦
B251	127
B251A	127
B252	127
B252A	127
B253	127
B253A	127
B254	226
B255	226
B256	226
B257	102A
B258	213♦
B259	213
B260	213
B261	102A
B262	102A
B263	102A
B264	102A
B265	102A
B266	102A
B266A-1	159
B266B-1	159
B266P	102A
B266Q	102A
B267	102A
B268	102A
B269	102A
B269-3345	519
B270	102A
B270A	102A
B270B	102A
B270C	102A
B270D	102A
B270E	102A
B271	102A
B-271	541
B272	102A
B273	102A
B274(Japan)	127
B274(Sylvania)	128
B275	127
B276	127
B277-14(Dumont)	398
B278-14(Dumont)	375
B282	127
B283	121
B284	121
B285	127
B-288	548
B290	100
B291	100
B292	100
B292A	100
B293	102A
B294(rectifier)	116
B294(transistor)	102A
B295	121♦
B296	127
B-298	541
B299	102A
B300	127
B301	127
B302	102A
B303(Transistor)	102A
B303-0	102A
B303A	102A
B303B	102A
B303C	102A
B303H	102A
B303K	102A
B304	158
B304A	158
B309	127
B310	127
B310(Zener)	5085A
B311	127
B312	127
B312(RF)	348
B313	127
B315	102A
B-315-1	158
B316	102A
B317	102A
B318	127
B319	127
B320	127
B321	102A
B322	102A
B323	102A
B-324	158
B324	158
B324A	158
B324B	158
B324D	158
B324E	158
B324E-1	158
B324F	158
B324G	158
B324GHI	158
B324H	158
B324I	158
B324J	158
B324K	158
B324L	158
B324N	158
B324P	158
B324R	158
B324S	158
B324V	158
B326	102A
B327	102A
B328	102
B329	102A
B329K	102A
B331	213
B331H	213
B331HA	213
B331HB	213
B331HC	213
B332	213
B332H	213
B332HA	213
B332HB	213
B332HC	213
B333	213
B335	102
B336	102A
B337	121
B337A	121
B337B	121
B337BK	121
B337H	121
B337HA	121
B337HB	121
B338	121
B338H	121
B338HA	121
B338HB	121
B339	179
B339H	179
B340	179
B340H	179
B341	127
B341H	127
B341V	127
B342	127
B343	127
B345	102A
B345S	5400
B346	102A
B346K	102A
B346Q	102A
B347	102A
B348	102A
B348Q	102A
B348R	102A
B349	102A
B350	102
B351	105
B352	213
B352D	213
B353	213
B355	104
B356	104
B357	127
B358	127
B359	127
B360	127
B361	127
B362	127
B364	158
B365	158
B365B	158
B366	127
B367	131
B367(A)	131
B367A	131
B367B	131
B367C	131
B367H	131
B368	131♦
B368A	131♦
B368B	131♦
B368H	131♦
B370	102A
B370A	102A
B370AA	102A
B370AB	102A
B370AC	102A
B370AHA	102A
B370AHB	102A
B370B	102A
B370C	102A
B370D	102A
B370P	102A
B370PB	102A
B370V	102A
B371	102A
B371D	102A
B372	176
B373	176
B375	127
B375-2B	127
B375-5B	127
B375A	127
B375A-2B	127
B375A-5B	127
B375A-NB	127
B375TV	127
B376	102A
B376G	102A
B377	102A
B377B	102
B378	102A
B378A	102A
B379	102
B379-2	102
B379A	102
B379B	102
B380	102
B380A	102
B380C800	5307
B380C800A	5307
B380C1000	5307
B380C1000A	5307
B380C1500/1000	170
B380C2000/1500	170
B381	102A
B382	102A
B383	102A
B383-1	102A
B383-2	102A
B384	102A
B385	102A
B386	102A
B387	102A
B389	102A
B390	127
B391	121
B392	100
B393	100
B394	100
B395	100
B396	102
B400	102A
B400A	102A
B400B	102A
B400K	102A
B401	100
B402	100
B403	100
B405	158
B405(PROM)	74S475
B405-2C	158
B405-3C	158
B405-4C	158
B405A	158
B405B	158
B405C	158
B405C(PROM)	74S475
B405C-E(PROM)	74S475
B405D	158
B405D(PROM)	74S475
B405D-E(PROM)	74S475
B405E	158
B405-E(PROM)	74S475
B405G	158
B405H	158
B405K	158
B405R	158
B405RE	158
B405S	158
B406(PROM)	74S572
B406C(PROM)	74S572
B406C-E(PROM)	74S572
B406D(PROM)	74S572
B406D-E(PROM)	74S572
B406-E(PROM)	74S572
B407	121
B407-O	121
B407TV	121
B408	102A
B408(PROM)	74S479
B408C(PROM)	74S479
B408D(PROM)	74S479
B410	127
B411	153
B413	131
B414	226
B415	158
B415A	158
B415B	158
B416	100
B417	100
B422	102
B423	102
B424	121
B425	121
B425(PROM)	74S474
B425C(PROM)	74S474
B425C-E(PROM)	74S474
B425D(PROM)	74S474
B425D-E(PROM)	74S474
B425-E(PROM)	74S474
B425Y	127
B426	121
B426(PROM)	74S573
B426BL	121
B426C(PROM)	74S573
B426C-E(PROM)	74S573
B426D(PROM)	74S573
B426D-E(PROM)	74S573
B426-E(PROM)	74S573
B426R	121
B426Y	121
B427	102A
B428	102A
B428(PROM)	74S478
B428C(PROM)	74S478
B428D(PROM)	74S478
B430	213
B431	158
B432	127
B433	213
B434	153
B434-O	153
B434-R	153
B434-Y	153
B435	153
B435-O	153
B435-R	153
B435Y	153
B435-Y	153
B439	102A
B439A	102A
B440	102A
B443	102A
B443A	102A
B443B	102A
B444	126A
B444A	126A
B444B	126A
B445	226♦
B446	226♦
B447	127
B448	131
B449	121
B449A	121
B449B	121
B449C	121
B449D	121
B449E	121
B449F	121
B449L	121
B449M	121
B449O	121
B449P	121
B449Q	121
B449R	121
B449S	121
B449T	121
B450	158
B450A	158
B451	158
B452	158
B452A	158
B453	158
B457	158
B457A	158
B457AA	158
B457AB	158
B457AC	158
B457AD	158
B457-C	158
B458	131
B458A	131
B459	102A
B459A	102A
B459B	102A
B459C	102A
B459D	102A
B459-O	102A
B460	102A
B460A	102A
B460B	102A
B462	131♦
B463	131
B463BL	131
B463E	131
B463R	131
B463Y	131
B464	127
B465	127
B466	226♦
B467	226♦
B468	127
B468A	127
B468B	127
B468C	127
B468D	127
B470	102A
B471	121
B471-2	121
B471A	121
B471B	121
B472	121♦
B472A	121♦
B472B	121♦
B473	131
B473A	131
B473B	131
B473C	131
B473D	131
B473E	131
B473F	131
B473G	131
B473H	131
B473I	131
B473J	131
B473N	131
B473Q	131
B473R	131
B474	226
B474-2	226
B474-3	226
B474-4	226
B474-6D	226
B474MP	226
B474S	226
B474V4	226
B474V10	226
B474Y	226
B475	102A
B475A	102A
B475B	102A
B475C	102A
B475D	102A
B475E	102A
B475F	102A
B475G	102A
B475P	102A
B475Q	102A
B476	176
B476S	176
B476W	176
B481	226
B481A	131
B481B	131
B481C	131
B481D	131
B481E	131
B481F	131
B481G	131
B481H	131
B481I	131
B481J	131
B481K	131
B481L	131
B481M	131
B481T	131
B481U	131
B481V	131
B481W	131
B481X	131
B481Y	131
B482	102A
B483	179
B484	179
B485	179♦
B486	102
B492	176
B492B	176
B494	158
B495	158
B495A	158
B495B	158
B495C	158
B495D	158
B495T	158
B496	102A
B497	102A
B498	102A
B500C1500	169
B500C3200-2200N	5311♦
B502	197
B502A	197
B502O	197
B502R	197
B502Y	197
B503	197
B503A	197
B503O	197
B503R	197
B503Y	197
B506	88
B506(Korea)	332
B506A	88
B506B	285
B506C	285
B506D	285
B506-O(Korea)	332
B506R(Korea)	332
B507	153
B507C(Trans)	153
B507D(Trans)	153
B507E	153
B508	153
B508C(Trans)	153
B508D(Trans)	153
B508E(Trans)	153
B509	153
B510	323
B510S	323
B511	153
B511C	153
B511D	153
B511E	187A
B512	153
B512-0	153
B512A	197
B512AP	197
B512AQ	197
B512-O	153
B512O	197
B512P	153
B512Q	153
B513	153
B513A	197
B513AO	197
B513AP	197
B513AQ	197
B513O	197
B514	153
B514C	153
B514D	153
B514E	153
B515	153
B515C	153
B515D	153
B515E	153
B516C	102A
B516CD	102A
B516D	102A
B516P	102A
B520	281
B522-1	197
B522-893	113A
B523	153
B523B	153
B523C	153
B524	153
B524C	153
B524D	153
B525(BCE)	294
B525C(BCE)	294
B525D(BCE)	294
B525E(BCE)	294
B526D	292
B527	292
B527-062	113A
B527C	292
B527D	292
B527E	292
B528	292
B528C	292
B528D	292
B528E	292
B529	153
B529C	153
B529D	153
B530	281
B531	281
B531-O	281
B531-R	281
B531-Y	281
B532	281
B532P	281
B532Q	281
B532R	281
B532S	281
B533	176
B534	102A
B534A	102A
B535	158
B536	292
B536A	292
B536K	292
B536L	292
B536M	292
B537	292
B537K	292
B537L	292
B537LM	292
B539	285
B539AQ	285
B539AR	285
B539AS	285
B539BQ	285
B539BR	285
B539BS	285
B539CQ	285
B539CR	285
B539CS	285
B539Q	285
B539R	285
B539S	285
B541	88
B542	159
B542(BCE)	290A
B542C(BCE)	290A
B542D(BCE)	290A
B542E(BCE)	290A
B544	294
B544D	294
B544E	294
B544F	294
B544P1	193A
B544P1D	193A
B544P1E	193A
B544P1F	193A
B546	398
B546(Korea)	398
B546A	398
B546AK	398
B546AL	398
B546AM(Trans)	398
B546E	398
B546EK	398
B546EX	398
B546I	398
B546K	398
B546L	398
B546M	398
B546-O	398
B546R	398
B547	398♦
B547A	398♦
B547K	398♦
B547L	398♦
B547M	398♦
B548	374
B548Q	374
B548R	374
B548S	374
B549	374
B549Q	374
B549R	374
B549S	374
B550	88
B551H	218
B551HA	218
B551HB	218
B551HC	218
B552	285
B553(Trans)	55
B553-O(Trans)	55
B553-Y(Trans)	55
B554	285
B554-0	285
B554-R	285
B555	281
B555-O	281
B556	281
B556O	281
B556R	281
B557	281
B557-O	281
B557-R	281
B558	281
B558-O	281
B558-R	281
B559	185
B559D	185
B559E	185
B560	298
B560D	383
B560E	383
B560F	383
B560G	383
B561(ECB)	159
B561A(ECB)	159
B561A(Trans)	290A
B561B(Trans)	290A
B561B(ECB)	159
B561C(Trans)	290A
B561C(ECB)	159
B561D(ECB)	159
B561K	298
B562	294
B562A	294

♦, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
B562B	294
B562C	294
B562D	294
B563	88
B564	294
B564A(Korea)	129P
B564A-O(Korea)	129P
B564AY(Korea)	129P
B564K	294
B564KA(Trans)	294
B564L	294
B564LA(Trans)	294
B564M	294
B564MA(Trans)	294
B566	292
B566-04	292
B566A	292
B566AB	292
B566AC	292
B566AK	292
B566AKB	292
B566AKC	292
B566B	292
B566C	292
B566D	292
B566K	292
B566KB	292
B566KC	292
B568	398
B568B(Trans)	398
B568C	292
B568D	292
B568WT	292
B569	242
B588	281
B588-20	525
B588-O	281
B588-R	281
B595	55
B595-O	55
B595R	55
B595-Y	55
B596	197
B596-0	197
B596-R	197
B596Y	197
B596-Y	197
B598(ECB)	159
B598D(ECB)	159
B598E(ECB)	159
B598F(ECB)	159
B600	88
B601-1006	160
B601-1007	160
B601-1008	160
B601-1009	102A
B601-1010	158
B601-1011	109
B601-1012	116
B604	242
B604Q	242
B604R	242
B605(TRANS)	294
B605K(Trans)	294
B605L(TRANS)	294
B605M(TRANS)	294
B608	398
B608A	398
B608AB	398
B608AC	398
B608AD	398
B608B	398
B608C	398
B608D	398
B609	292
B609B	292
B609C	292
B609D	292
B611AB	281
B611AC	281
B611B	281
B611C	281
B612	285
B612A	285
B612AA	285
B612AB	285
B612AC	285
B612BC	285
B614 007 0	177
B616	381
B616A	381
B616Q	381
B616R	381
B616S	381
B617	381
B617A	381◆
B617Q	381◆
B617R	381◆
B617S	381◆
B618	381
B621	294
B621A(Trans)	294
B621ANC	294
B621AQ(Trans)	294
B621AR(Trans)	294
B621AS(Trans)	294
B621NC	294
B621Q(Trans)	294
B621R	294
B621S(Trans)	294
B624(Trans)	2407
B624BV1(Trans)	2407
B624BV2(Trans)	2407
B624BV3(Trans)	2407
B624BV4(Trans)	2407
B624BV5(Trans)	2407
B628	398◆
B628Q	398◆
B628R	398◆
B628S	398◆
B630	398◆
B631	374
B631D	374
B631E	374
B631F	374
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B631KD	374
B631KE	374
B631KF	374
B632	185
B632D	185
B632E(Trans)	185
B632F(Trans)	185
B632K	185
B632KD	185
B632KE(Trans)	185
B633(Trans)	378
B633C(Trans)	378
B633D(Trans)	378
B633E(Trans)	378
B633P	381
B633PC	381
B633PD	381
B633PE	381
B634	88
B637	91
B637K	91
B637KC	159
B637KD	159
B638	248
B638H	248
B639	248
B639H	248
B641(Trans)	19
B641-C(Trans)	19
B641P	19
B641-Q(Trans)	19
B641-QR(Trans)	19
B641QRS(Trans)	19
B641-R(Trans)	19
B641-S(Trans)	19
B641S(Trans)	19
B642(Trans)	19
B642-A(Trans)	19
B642-P(Trans)	19
B642-Q(Trans)	19
B642QR(Trans)	19
B642-R(Trans)	19
B642-S(Trans)	19
B643(Trans)	19
B643-O(Trans)	19
B643P(Trans)	19
B643-Q(Trans)	19
B643-R(Trans)	19
B643-S(Trans)	19
B644	19
B644Q	19
B644QR(Trans)	19
B644R	19
B644S	19
B645	285◆
B646	383
B646AB	383
B646AC	383
B646B	383
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B647AC	383
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B653AB	88
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B654AB	88
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B656AB	285
B656AC	285
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B656C	285
B668	262
B668A	262
B669	262
B669A	262
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B674	262
B675	262
B676	262
B677	262
B681	285
B681-O	285
B681-R	285
B682	292
B682B	292
B682C	292
B683	197
B683C	197
B683D	197
B684	294
B685	271
B685K	271
B685L	271
B686	391
B686-O	37
B686-R	37
B688	37
B688-O	37
B688Q(Trans)	37
B688-R	37
B689	292
B690	292
B690B	292
B690C	292
B691	37
B691P	37
B691Q	37
B691R	37
B692	37
B692H	37
B692P	37
B692Q	37
B692R	37
B692X13	109
B693	252
B693H	252
B696(Trans)	88
B696K	88
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B697C	281
B697D	281
B697E	281
B697F	281
B697K(Trans)	285
B697KC(Trans)	285
B697KD(Trans)	285
B697KE(Trans)	285
B697KF(Trans)	285
B698	159
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B698E	159
B698F	159
B698G	159
B699	93
B699B	93
B699C	93
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B700AB	93
B700AC	93
B700B	93
B700C	93
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B702A	93
B702AB	93
B702AC	93
B702B	93
B702C	93
B703(Trans)	292
B703A(Trans)	292
B703Q(Trans)	292
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B705AQ	93
B705AR	93
B705AS	93
B705B	93
B705BQ	93
B705BR	93
B705BS	93
B705Q	93
B705R	93
B705S	93
B707	197◆
B707K	197
B707L	197◆
B707M	197◆
B708	197
B708K	197
B708L	197
B708M	197
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B709A(Trans)	2409
B709AQ(Trans)	2409
B709AR(Trans)	2409
B709AS(Trans)	2409
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B709S(Trans)	2409
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B710AQ(Trans)	2407
B710AR(Trans)	2407
B710AS(Trans)	2407
B710Q(Trans)	2407
B710R(Trans)	2407
B710S(Trans)	2407
B711	262
B712(Trans)	262
B713(Trans)	37
B713-P(Trans)	37
B713-Q(Trans)	37
B713-R(Trans)	37
B714	176
B715D	91
B715E	91
B716	91
B716A	91
B716A0	91
B716D	91
B716E	91
B716G	91
B719	398
B719A	398
B719B	398
B719C	398
B719D	398
B720 (TRANS)	398
B721	159
B724	153
B725(Trans)	290A
B726	290A◆
B726(Trans)	290A
B726-Q(Trans)	290A
B726R	290A◆
B726-R(Trans)	290A
B726S(Trans)	199
B726T(Trans)	199
B727(Trans)	2344
B727K(Trans)	2344
B729(Trans)	159
B729Q(Trans)	159
B729R(Trans)	159
B733(TRANS)	294
B733K(TRANS)	294
B733L(TRANS)	294
B734(Trans)	383
B734K(Trans)	383
B734L(Trans)	383
B736(Trans)	2407
B736A(Trans)	2411
B736AB51(Trans)	2411
B736AB52(Trans)	2411
B736AB53(Trans)	2411
B736BW1(Trans)	2407
B736BW2(Trans)	2407
B736BW3(Trans)	2407
B736BW4(Trans)	2407
B736BW5(Trans)	2407
B737(TRANS)	85◆
B737Q(TRANS)	85◆
B740	383
B740-3(Trans)	383
B740B	383
B740C	383
B741	383
B741B	383
B741C	383
B741Q	383
B742Q	234
B743	185
B743Q	185
B743R	185
B744	185
B744A	185
B744AQ	185
B744AR	185
B744Q	185
B744R	185
B745(Trans)	17
B745-A(Trans)	17
B745-AR(Trans)	17
B745-AS(Trans)	17
B745-AT(Trans)	17
B745-R(Trans)	17
B745-S(Trans)	17
B745-T(Trans)	17
B747(Trans)	55
B747-P(Trans)	17
B747Q(Trans)	55
B747R(Trans)	55
B748A	93
B748AB	93
B748AC	93
B749A	93
B749AB	93
B749AC	93
B750	262
B750A	262
B750-AQ(Darl)	262
B750-AR(Darl)	262
B750-R(Darl)	262
B751	262
B751A	262
B751AQ(Trans)	262
B751AR(Trans)	262
B751Q(Trans)	262
B751R(Trans)	262
B753	378
B753-O	378
B754	37
B754-O	37
B755	34
B755O	34
B755R	34
B757(Trans)	2314
B757A(Trans)	2314
B757B(Trans)	2314
B757C(Trans)	2314
B758A(Trans)	381
B759(BCE)	234
B759Q(BCE)	234
B759R(BCE)	234
B759S(BCE)	234
B760(Trans)	55
B760A(Trans)	55
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B760AR(Trans)	55
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B762AP(Trans)	55
B762AQ(Trans)	55
B762AR(Trans)	55
B762P(Trans)	55
B762Q(Trans)	55
B762R(Trans)	55
B763	391
B763A	391
B763AQ(Trans)	391
B763AR(Trans)	391
B763Q(Trans)	391
B763R(Trans)	391
B764	383
B764D	383
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B766AR(Trans)	2429
B766AS(Trans)	2429
B766Q(Trans)	2429
B766R(Trans)	2429
B766S(Trans)	2429
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B767P(Trans)	2429
B767Q(Trans)	2429
B767R(Trans)	2429
B767S(Trans)	2429
B772(Trans)	185
B772P(Trans)	185
B772Q(Trans)	185
B772R(Trans)	185
B774	290A
B774-P(Trans)	290A
B774-Q(Trans)	290A
B774-R(Trans)	290A
B775(TRANS)	37
B775D(TRANS)	37
B775E(TRANS)	37
B776	37
B776(TRANS)	37
B776D	37
B776D(TRANS)	37
B776E(TRANS)	37
B777(Trans)	37
B779(Trans)	2407
B779Q(Trans)	2407
B779R(Trans)	2407
B779S(Trans)	2407
B780	290A
B780Q(Trans)	290A
B780R(Trans)	290A
B781(TRANS)	292
B782(TRANS)	292
B783(TRANS)	292
B786	254#
B788Q	91
B788R	91
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B788T	91
B788U	91
B789(Trans)	2431
B789A(Trans)	2431
B789AP(Trans)	2431
B789AQ(Trans)	2431
B789AR(Trans)	2431
B789AS(Trans)	2431
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B789R(Trans)	2431
B789S(Trans)	2431
B790(Trans)	19
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B790Q(Trans)	19
B790R(Trans)	19
B790S(Trans)	19
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B791K(Trans)	2344
B792(Trans)	2411
B792Q(Trans)	2411
B792R(Trans)	2411
B792S(Trans)	2411
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B794AL(Trans)	254
B794L(Trans)	254
B794M(Trans)	254
B795(Trans)	254
B795L(Trans)	254
B795M(Trans)	254
B798(Trans)	2429
B798DK(Trans)	2429
B798DL(Trans)	2429
B798DM(Trans)	2429
B798K(Trans)	2429
B798L(Trans)	2429
B798M(Trans)	2429
B799(Trans)	2429
B799K(Trans)	2429
B799L(Trans)	2429
B799M(Trans)	2429
B799MK(Trans)	2429
B799ML(Trans)	2429
B799MM(Trans)	2429
B800(Trans)	2429
B800FK(Trans)	2429
B800FL(Trans)	2429
B800FM(Trans)	2429
B800K(Trans)	2429
B800L(Trans)	2429
B800M(Trans)	2429
B808(Trans)	290A◆
B808F(Trans)	383◆
B808G(Trans)	290A◆
B810(TRANS)	294
B810F(Trans)	294
B810H(TRANS)	294
B810J(TRANS)	294
B810M(TRANS)	294
B811(TRANS)	294
B811E(Trans)	294◆
B811F(Trans)	294◆
B811H(TRANS)	294
B811J(TRANS)	294
B811M(TRANS)	294
B812(TRANS)	391
B812A(Trans)	391
B812AQ(Trans)	391
B812AR(Trans)	391
B812Q(Trans)	391
B812R(Trans)	391
B813(TRANS)	292
B814(Trans)	2411
B814R(Trans)	2411
B815(Trans)	2407
B815B6(Trans)	2407
B816(TRANS)	37
B816D(TRANS)	37
B816E(TRANS)	37
B817(TRANS)	37
B817D(TRANS)	37
B817-E(Trans)	37
B819(Trans)	21
B819-P(Trans)	21
B819-Q(Trans)	21
B819-R(Trans)	21
B822(Trans)	21◆
B822Q	21◆
B823(TRANS)	55
B824(TRANS)	378
B824Q(TRANS)	378
B824R(TRANS)	378
B825(TRANS)	378
B825Q(Trans)	378
B825R(Trans)	378
B826(TRANS)	378
B826Q(TRANS)	378
B826R(TRANS)	278
B827(TRANS)	2314
B827Q(TRANS)	2314
B827R(Trans)	2314
B827S(Trans)	2314
B828(TRANS)	2314
B828Q(TRANS)	2314
B828R(Trans)	2314
B828S(Trans)	2314
B829(Trans)	2314
B829Q(Trans)	2314
B829R(Trans)	2314
B829S(Trans)	2314
B831(Trans)	2407
B831B(Trans)	2407
B831C(Trans)	2407
B834	153◆
B834-O(Trans)	153
B835(Trans)	21
B835-Q(Trans)	21
B835-R(Trans)	21
B835-S(Trans)	21
B835-T(Trans)	21
B837	5697
B848(TRANS)	391
B849(TRANS)	37
B849AR(Trans)	37
B849AS(Trans)	37
B849R(Trans)	37
B849S(Trans)	37
B850(TRANS)	378
B850-Q(Darl)	262
B851(Trans)	21◆
B851P	21◆
B851Q	21◆
B851QD	14
B851R	21◆
B855(TRANS)	55
B856(TRANS)	55
B857(TRANS)	55
B857C	55
B858(TRANS)	55
B859(TRANS)	292
B859B(Trans)	292
B859C(Trans)	292
B860(TRANS)	55
B861(Trans)	55
B861C(Trans)	55
B863	37
B863(TRANS)	37
B863O	37
B863R	37
B867(Trans)	55
B867-P(Trans)	55
B867Q(Trans)	55
B867R(Trans)	55
B868(Trans)	55
B868-P(Trans)	55
B868Q(Trans)	55
B868R(Trans)	55
B869(Trans)	55
B869-P(Trans)	55
B869Q(Trans)	55
B869R(Trans)	55
B870(Trans)	55
B870-P(Trans)	55
B870Q(Trans)	55
B870R(Trans)	55
B871(TRANS)	378
B871-A(Trans)	378
B871-AP(Trans)	378
B871-AQ(Trans)	378
B871-AR(Trans)	378
B871-P(Trans)	378
B871-Q(Trans)	378
B871-R(Trans)	378
B872(Trans)	262
B872A(Trans)	262
B872AQ(Trans)	262
B872AR(Trans)	262
B872Q(Trans)	262
B872R(Trans)	262
B880(Trans)	264
B881(Trans)	264
B882(Trans)	264
B884(Trans)	262
B885(Trans)	262
B886(Trans)	264
B889	185#
B889(Trans)	185#
B891(Trans)	185#
B891P	185#
B894(Trans)	17
B894-P(Trans)	17
B894-Q(Trans)	17
B894-R(Trans)	17
B894-S(Trans)	17
B894-T(Trans)	17
B896(Trans)	378
B896-A(Trans)	378
B896-AQ(Trans)	378
B896-AR(Trans)	378
B896-Q(Trans)	378
B896-R(Trans)	378
B897	88
B902(Trans)	2409
B902Q(Trans)	2409
B902R(Trans)	2409
B902S(Trans)	2409
B904(Trans)	393#
B904-Q(Trans)	393#
B904-R(Trans)	393#
B909M	21
B909MP	21
B909MQ	21
B910M	19
B910MLQ	19
B910MP	19
B910MQ	19
B910MR	19
B911M	21
B911MLQ	21
B911MP	21
B911MQ	21
B911MR	21
B914(Trans)	250
B915(Trans)	250
B916(Trans)	250
B919(Trans)	55
B919Q(Trans)	55
B919R(Trans)	55
B919S(Trans)	55
B920(Trans)	55
B920Q(Trans)	55
B920R(Trans)	55
B920S(Trans)	55
B921(Trans)	55
B921Q(Trans)	55
B921R(Trans)	55
B921S(Trans)	55
B925(Trans)	378
B925-A(Trans)	378
B925-AQ(Trans)	378
B925-AR(Trans)	378
B925-Q(Trans)	378
B925-R(Trans)	378
B940(Trans)	398#
B940-P(Trans)	398#
B940-Q(Trans)	398#
B941(Trans)	55#
B941-A(Trans)	55#
B941-AP(Trans)	55#
B941-AQ(Trans)	55#
B941-AR(Trans)	55#
B941P	55
B941Q	55
B941-R(Trans)	55#
B942(Trans)	55#
B942-A(Trans)	55#
B942-AP(Trans)	55#
B942-AQ(Trans)	55#

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
B942-AR(Trans)	55#
B942-P(Trans)	55#
B942-Q(Trans)	55#
B942-R(Trans)	55#
B943(Trans)	55#
B943-P(Trans)	55#
B943-Q(Trans)	55#
B943-R(Trans)	55#
B944(Trans)	55#
B944-P(Trans)	55#
B944-Q(Trans)	55#
B944-R(Trans)	55#
B945(Trans)	55#
B945-P(Trans)	55#
B945-Q(Trans)	55#
B945-R(Trans)	55#
B946(Trans)	55#
B946-P(Trans)	55#
B946-Q(Trans)	55#
B946-R(Trans)	55#
B947(Trans)	378#
B947-A(Trans)	378#
B947-AP(Trans)	378#
B947-AQ(Trans)	378#
B947-AR(Trans)	378#
B947-P(Trans)	378#
B947-Q(Trans)	378#
B947-R(Trans)	378#
B948(Trans)	378#
B948-A(Trans)	378#
B948-AP(Trans)	378#
B948-AQ(Trans)	378#
B948-AR(Trans)	378#
B948-P(Trans)	378#
B948-Q(Trans)	378#
B948-R(Trans)	378#
B949(Trans)	262#
B949-A(Trans)	262#
B949-AP(Trans)	262#
B949-AQ(Trans)	262#
B949-AR(Trans)	262#
B949-P(Trans)	262#
B949-Q(Trans)	262#
B949-R(Trans)	262#
B950(Trans)	262#
B950-A(Trans)	262#
B950-AP(Trans)	262#
B950-AQ(Trans)	262#
B950-AR(Trans)	262#
B950-P(Trans)	262#
B950-Q(Trans)	262#
B950-R(Trans)	262#
B951(Trans)	262#
B951-A(Trans)	262#
B951-AP(Trans)	262#
B951-AQ(Trans)	262#
B951-AR(Trans)	262#
B951-P(Trans)	262#
B951-Q(Trans)	262#
B951-R(Trans)	262#
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B953-A(Trans)	378#
B953-AP(Trans)	378#
B953-AQ(Trans)	378#
B953-AR(Trans)	378#
B953-P(Trans)	378#
B953-Q(Trans)	378#
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B954-A(Trans)	242#
B954-AQ(Trans)	242#
B954-AR(Trans)	242#
B954-Q(Trans)	242#
B954-R(Trans)	242#
B955(Trans)	2344
B955K(Trans)	2344
B956(Trans)	2429
B956Q(Trans)	2429
B956R(Trans)	2429
B956S(Trans)	2429
B966(Trans)	37
B966R(Trans)	37
B970(Trans)	2407
B970Q(Trans)	2407
B970R(Trans)	2407
B970S(Trans)	2407
B973(Trans)	2407
B973B(Trans)	2407
B973C(Trans)	2407
B976Q(Trans)	12
B976-R	12
B979(Trans)	37
B979P(Trans)	37
B979Q(Trans)	37
B979-Q(Trans)	37
B979-R(Trans)	37
B980(Trans)	37
B981(Trans)	37
B982(Trans)	37
B984(Trans)	32
B987(Trans)	32
B988(Trans)	153
B988-O(Trans)	153
B988Y(Trans)	153
B989(Trans)	292
B989O(Trans)	292
B989R(Trans)	292
B992	378◆
B992-0	378◆
B993(Trans)	378#
B993-O	378#
B994	378#
B994-O	378#
B994-Y	378#
B995	55#
B995-O	55#
B995-R	55#
B995-Y	55#
B996	242#
B996-R	242#
B1000	177
B1000(Trans)	2429
B1000A(Trans)	2429
B1000AK(Trans)	2429
B1000AL(Trans)	2429
B1000H(Trans)	2429
B1000J(Trans)	2429
B1001	177
B1002	519
B1002(Trans)	2429
B1002H(Trans)	2429
B1002J(Trans)	2429
B1003	116
B1007(Trans)	185#
B1007P	185#
B1009(Trans)	185#
B1009P	185#
B1015	378#
B1015-0	378#
B1016	332#
B1016-O	55#
B1016-R	332#
B1016-Y	55#
B1017	121
B1017-O	292#
B1017O	292
B1017-R	292#
B1017-Y	55#
B1018	55#
B1018-O	55#
B1022	102
B1022-1	102A
B1037(Trans)	398
B1037Q(Trans)	398
B1037R(Trans)	398
B1050	12
B1054(Trans)	37
B1054Q(Trans)	37
B1054R(Trans)	37
B1055(Trans)	37
B1055Q(Trans)	37
B1055R(Trans)	37
B1057Q(Trans)	37
B1057R(Trans)	37
B-1058	102A
B1058	102
B1058-1	102A
B1063(Trans)	55#
B1063P(Trans)	55#
B1063Q(Trans)	55#
B1063R(Trans)	55#
B1077(Trans)	262
B1078(Trans)	2344
B1078K(Trans)	2344
B1085	121
B1091(Trans)	262
B1100	116
B1101	116
B1102	125
B1108(Trans)	2344#
B1115(Trans)	2429
B1115A(Trans)	2429
B1115AQ(Trans)	2429
B1115AY(Trans)	2429
B1115AYP(Trans)	2429
B1115AYQ(Trans)	2429
B1115L(Trans)	2429
B1115M(Trans)	2429
B1115YL(Trans)	2429
B1115YM(Trans)	2429
B1118(Trans)	2429
B1118S(Trans)	2429
B1118T(Trans)	2429
B1119(Trans)	2429
B1119R(Trans)	2429
B1119S(Trans)	2429
B1151	121
B1151A	121
B1151B	121
B1152	121
B1152A	121
B1152B	121
B1154	102
B1154-1	102A
B1162(Trans)	2329
B1162-P(Trans)	2329
B1162-Q(Trans)	2329
B1162-S(Trans)	2329
B1163(Trans)	2329
B1163-P(Trans)	2329
B1163-Q(Trans)	2329
B1163-S(Trans)	2329
B1178	127
B1181	121
B1190(Trans)	398
B1190P(Trans)	398
B1190Q(Trans)	398
B1192(Trans)	398#
B1192P(Trans)	398#
B1192Q(Trans)	398#
B1193(Trans)	2344#
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B1201(Diode)	116
B1202	116
B1202(Diode)	116
B1202V	116
B1202V(Diode)	116
B1203(Diode)	116
B1204(Diode)	116
B1206(Diode)	116
B1210(Diode)	125
B1212	373#
B1212A	373#
B1212AA	373#
B1212AB	373#
B1212ABWT	373#
B1212AC	373#
B1212ACWT	373#
B1212AD	373#
B1212AWT	373#
B1212AWTA	373#
B1212AWTB	373#
B1212AWTC	373#
B1212AWTD	373#
B1212B	373#
B1212C	373#
B1212D	373#
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B1274A	121
B1274B	121
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B-1338	123A
B1368	121
B1368A	121
B1368B	121
B1368C	121
B1368D	121
B1368E	121
B1368F	121
B1410	137A
B-1421	123A
B-1426	159
B-1433	123A
B1500	137A
B-1501U	116
B1503	143A
B-1511	121
B1515(IC)	1662
B-1539	121
B-1599	177
B-1666	123A
B-1695	185
B-1702	177
B-1750	179
B-1790	184
B-1808	5072A
B-1823	152
B-1842	123A
B-1872	123A
B-1881U	116(2)
B-1882U	116(2)
B1904	121
B-1910	199
B-1914	121
B2090	139A
B2107A(RAM)	2107
B2107A-1(RAM)	2107
B2107A-4(RAM)	2107
B2107A-5(RAM)	2107
B2107B(RAM)	2107
B2107B-1(RAM)	2107
B2107B-2(RAM)	2107
B2107B-4(RAM)	2107
B2107C(RAM)	2107
B2107C-2(RAM)	2107
B2107C-4(RAM)	2107
B2128(RAM)	2128
B2128-15	2128
B2128-20	2128
B2164(RAM)	2164
B2164-15	2164
B2164-20	2164
B2164-25	2164
B2164A(RAM)	2164
B2164A-15	2164
B2164A-20	2164
B2404C(Diode)	552
B2404D(Diode)	552
B2406C	552
B2406D	552
B2620	506
B2708	2704
B2716	2716
B2732(EPROM)	2732
B2732A(EPROM)	2732
B2732A-2(EPROM)	2732
B2732A-3(EPROM)	2732
B2732A-4(EPROM)	2732
B2732A-20(EPROM)	2732
B2732A-25(EPROM)	2732
B2732A-30(EPROM)	2732
B2764-(EPROM)	2764
B2764-2	2764
B2764-3	2764
B2764-4	2764
B2764-25	2764
B2764-30	2764
B2764-45	2764
B2804-D	552
B2804D	552
B3015M	558
B3106(IC)	1659
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B3468	195A
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B3533	186
B3537	186
B3538	186
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B3541	186
B3542	186
B3547	152
B3548	152
B3550	152
B3551	152
B3570	186
B3576	186
B3577	152
B3578	152
B3580	152
B3584	152
B3585	152
B3586	152
B3588	152
B3589	152
B3601(PROM)	74S387
B3602(PROM)	74S570
B3604(PROM)	74S475
B3604A(PROM)	74S475
B3604A-2	74S475
B3605(PROM)	74S572
B3605A(PROM)	74S572
B3605A-1	74S572
B3606	186
B3607	186
B3608	186
B3608(PROM)	74S479
B3609	186
B3610	186
B3611	186
B3612	186
B3613	186
B3614	186
B3621(PROM)	74S287
B3622(PROM)	74S571
B3624(PROM)	74S474
B3624A(PROM)	74S474
B3624A-2	74S474
B3625(PROM)	74S573
B3625A(PROM)	74S573
B3625A-1	74S573
B3628(PROM)	74S478
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B3628A-1	74S478
B3628A-3	74S478
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B3747	186
B3748	186
B3750	186
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B4304	552
B4304V	552
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B5001	186
B5002	152
B5020	130
B5021	152
B5022	152
B5031	152
B5032	152
B-6001	312
B-6002	145A
B8214	8214
B8214C	8214
B9426	108
B10064	104
B10069	104
B10142	127
B10142A	127
B10142B	127
B10143	127
B10143A	127
B10143B	127
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B10163	121
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B10475	121
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B10913	121
B-12822-2	130
B-12822-4	181
B13517-2	912
B17307	130
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B36564	116
B54731-30	159
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B56858-1RV	541
B56858-2	548
B57678-1	546§
B57678-1RV	546§
B57678-2	546§
B57678-2RV	546§
B-75561-31	159
B-75568-2	107
B-75583-1	123A
B-75583-2	123A
B-75583-I02	123A
B-75589-3	123A
B-75589-13	123A
B-75608-3	123A
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B102001	127
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B103001	127
B103002	127
B103003	127
B103004	127
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B133550	130
B133577	130
B133578	123A
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B133685	130
B133823	175
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B143001	186
B143003	186
B143004	152
B143009	186
B143010	186
B143011	152
B143012	152
B143015	186
B143016	186
B143018	152
B143019	152
B143024	186
B143025	186
B143026	152
B143027	152
B145000	72
B145001	72
B170000	130
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B170000BRN	130
B170000-ORG	130
B170000-RED	130
B170001	130
B170001BLK	130
B170001-BLK	130
B170001-BRN	130
B170001BRN	130
B170001-ORG	130
B170001-RED	130
B170002	130
B170002-ORG	130
B170002-RED	130
B170003	130
B170003-BLK	181
B170003-BRN	181
B170003-RED	181
B170004	130
B170004-BLK	181
B170004-BRN	181
B170004-RED	181
B170005	130
B170005-BLK	181
B170005-BRN	181
B170005-RED	181
B170006	130
B170006-BLK	181
B170006-BRN	181
B170006-RED	181
B170007	130
B170007-BLK	181
B170007-BRN	181
B170007-RED	181
B170008	162
B170008-BLK	181
B170008-BRN	181
B170008-RED	181
B170009	130
B170010	130
B170011	130
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B170025	130
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B176001	162
B176002	162
B176003	162
B176004	163A
B176005	163A
B176006	163A
B176007	163A
B176009	163A
B176010	163A
B176011	163A
B176013	163A
B176014	163A
B176015	163A
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B176025	163A
B176026	163A
B176027	163A
B176028	163A
B176029	163A
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B232008	124
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B675319A	287
B678760A	198
B1045494P1	114
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B5493957-5	129
B5493957-6	129
B7102001	116
B7579500	125
B7978850	506
B8780010	123
B 6288	159
B 6340	128
B 722246-2	123A
BA075	138A
BA1A4M	2355
BA1F4M	2357
BA1L4M	2359
BA6	158
BA6A	158
BA8-1A-21	160
BA10C	167
BA20(Bridge)	5314
BA40	5314
BA40(Bridge)	5314
BA67	123A
BA71	123A
BA74LS00	74LS00
BA74LS01	74LS01
BA74LS02	74LS02
BA74LS04	74LS04
BA74LS05	74LS05
BA74LS08	74LS08
BA74LS10	74LS10
BA74LS14	74LS14
BA74LS32	74LS32
BA74LS42	74LS42
BA74LS74A	74LS74A
BA74LS86	74LS86
BA74LS123	74LS123
BA74LS138	74LS138
BA74LS139	74LS139
BA74LS157	74LS157
BA74LS244	74LS244
BA74LS245	74LS245
BA74LS273	74LS273
BA74LS367	74LS367
BA74LS368	74LS368
BA74LS373	74LS373
BA74LS374	74LS374
BA74LS393	74LS393
BA-100	116
BA100	519
BA102A	613
BA102C	614
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BA-104	116
BA104	519
BA105	519
BA108	519
BA114	177
BA119	116
BA120	611
BA121	611
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BA129	116
BA130	116
BA133	506
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BA-142-01	116
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BA147	177
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BA158	552
BA167	177
BA168	177
BA170	177
BA174	177
BA178	5800
BA182	555
BA187	177
BA202	519
BA216	519
BA-217	177
BA217	519
BA218	519
BA218(Diode)	519
BA219	177
BA221	519
BA222	1609
BA222(Diode)	177
BA223	955S
BA223-20	525
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BA243S	177
BA244	177
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BA301B	1135
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BA302CN	1431
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BA312	1433
BA312CN	1433
BA313	1210
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BA317	519
BA-317	519
BA318	1241
BA318(Diode)	519
BA328	1659
BA-328	1659
BA-328MR	1659
BA328MR	1659
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BA401	1104
BA402	1100
BA403	1541
BA482	553
BA501	1244§
BA-501	1244§
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BA501(8 PINS)	1244§
BA501A	1244§
BA501A(8 PINS)	1244§
BA501A(10 PINS)	1165
BA511A	1165
BA521	1166
BA521A	1166
BA526	1612
BA532	1375
BA532CN	1375
BA532S	1375
BA536	1619
BA546	1627
BA555	955M
BA715	1529
BA718	1529
BA847	1636
BA1003	172A
BA1310	1226
BA1310F	1226
BA-1320	1248
BA1320	1248
BA1350	1631
BA2443S	177
BA3704	1562
BA3704CN	1562
BA4220	1557
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BA5102	1558
BA5102A	1558
BA5102AN	1558
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BA5402A	1619
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BA6124	1561
BA6124C	1561
BA6124CN	1561
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BA6304CN	1679
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BACSH2M3	123A
BACSHIMI	519
BACSIM1	519
BACT2F	123A
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BAIF4M	2357
BAIL4M	2359
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BAV409	5866
BAV415	5858
BAV416	5862
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BAV419	5866
BAV425	5858
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BAV427	5862
BAV428	5866
BAV429	5866
BAV505	5878
BAV506	5882
BAV507	5882
BAV508	5886
BAV509	5886
BAV515	5878
BAV516	5882
BAV517	5882
BAV518	5886
BAV519	5886
BAV525	5878
BAV526	5882

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BAV527	5882
BAV528	5886
BAV529	5886
BAV705	5858
BAV706	5862
BAV707	5862
BAV708	5866
BAV709	5866
BAV715	5858
BAV716	5862
BAV717	5862
BAV718	5866
BAV719	5866
BAV725	5858
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BAV727	5862
BAV728	5866
BAV729	5866
BAV805	5878
BAV806	5882
BAV807	5882
BAV808	5886
BAV809	5886
BAV815	5878
BAV816	5882
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BAV818	5886
BAV819	5886
BAV825	5878
BAV826	5882
BAV827	5882
BAV828	5886
BAV829	5886
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BAW12TF22	177
BAW13TF23	177
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BAW17	177
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BAW24B	177
BAW25	177
BAW25A	177
BAW25B	177
BAW45	177
BAW53	177
BAW56	596
BAW59	177
BAW59A	177
BAW59B	177
BAW62	519
BAW63A	177
BAW63B	177
BAW75	519
BAW76	519
BAW99	177
BAX13	519
BAX-13	519
BAX16	177
BAX-16	177
BAX18A	116
BAX28	177
BAX30	177
BAX74	177
BAX87	177
BAX87A	177
BAX88TF11	177
BAX89A	177
BAX91C/TF102	519
BAX95TF600	519
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BAY16	125
BAY17	177
BAY18	177
BAY19	177
BAY20	177
BAY23	125
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BAY41A	177
BAY41B	177
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BB-2	116
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BB3L	552
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BB4	552
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BB4-FC	552
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BB109	616
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BB122	612
BB127	116
BB142	612
BB205G	611
BB221	616
BB-1033L	614
BBCC106-200	5437
BBCC106-300	5437
BBCC106-400	5437
BBCC106-500	5438
BBCC106-600	5438
BBGS	506
BBY17	610
BC-05	166
BC-075	138A
BC-1	166
BC-2	167
BC-4	168
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BC-8	170
BC-10	170
BC20C	199
BC25BB	159
BC-71	123A
BC71	123A
BC100	154
BC103	128
BC103C	128
BC-107	123A
BC107	123A
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BC107a	123A
BC-107A	123A
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BC107B	123A
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BC-108	123A
BC108	123A
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BC-108B	123A
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BC109B	123A
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BC112/02	108
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BC115	123A
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BC116A	159
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BC-121	123A
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BC141-6	128
BC141-10	128
BC141-16	128
BC141-25	128
BC142	128
BC-142	128
BC142-10	128
BC142-16	128
BC143	129
BC144	128
BC145	324
BC146	199
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BC146(Red)	85◆
BC146/03	199
BC147	123A
BC147A	123A
BC147B	123AP
BC148	123A
BC148A	123A
BC-148A	123A
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BC-148B	123A
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BC148C	123A
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BC149A	123A
BC149B	123A
BC149C	123AP
BC149G	123A
BC150	123A
BC151	123A
BC152	123A
BC153	234
BC153-1	159
BC154	234
BC154-1	159
BC155	107
BC155A	108
BC155B	123A
BC155C	199
BC156	107
BC156A	108
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BC158B-1	159
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BC171A	123A
BC171B	123A
BC172	123A
BC172A	123A
BC172B	123A
BC172C	123A
BC173	123AP
BC173A	123AP
BC173B	123AP
BC173C	123AP
BC174	123AP◆
BC174A	123AP◆
BC174B	123AP◆
BC175	123A
BC177	159
BC177-1	159
BC177A	159
BC177A-1	159
BC177AP	159
BC177B	159
BC177B-1	159
BC177BP	159
BC177V	159
BC177V1	159
BC177V-1	159
BC177V1-1	159
BC178	159
BC178-1	159
BC178A	159
BC178A-1	159
BC178AP	159
BC178B	159
BC178B-1	159
BC178BP	159
BC178C	234
BC178D	159
BC178D-1	159
BC178V	159
BC178V-1	159
BC178V1	159
BC178V1-1	159
BC179	234
BC179-1	159
BC179A	234
BC179A-1	159
BC179B	234
BC179B-1	159
BC179BP	159
BC179C	234◆
BC179CB	234◆
BC180	123A
BC180b	123A
BC181	159
BC181A	159
BC181A-1	159
BC182(CBE)	123AP
BC182A(CBE)	123AP
BC182AP(CBE)	123AP
BC182B(CBE)	123AP
BC182BP(CBE)	123AP
BC182K(CBE)	123AP
BC182KA(CBE)	123AP
BC182KB(CBE)	123AP
BC182L(CBE)	123AP
BC182LA(CBE)	123AP
BC182P(CBE)	123AP
BC183(CBE)	123AP
BC183A(CBE)	123AP
BC183AP(CBE)	123AP
BC183B(CBE)	123AP
BC183BP(CBE)	123AP
BC183KB(CBE)	123AP
BC183L(CBE)	123AP
BC183LA(CBE)	123AP
BC183LB(CBE)	123AP
BC183P(CBE)	123AP
BC184	123A
BC184B	123A
BC184BP	123AP
BC184C	123A
BC184CP	123AP
BC184K	123A
BC184KB	123A
BC184L	199
BC184P	123AP
BC185	123A
BC186	159
BC187	159
BC187-1	159
BC188	107
BC189	107
BC190	123AP
BC190B	123A
BC192	159
BC192-1	159
BC194	108
BC194B	108
BC195	108
BC195CD	108
BC196	159
BC196-1	159
BC196A	159
BC196A-1	159
BC196B	159
BC196B-1	159
BC196V1	159
BC196V1-1	159
BC197	123A
BC197A	123A
BC197B	123A
BC198	123A
BC199	123A
BC200(Yellow)	290A◆
BC200(Red)	290A◆
BC200(Green)	290A◆
BC200/02	290A
BC204	234
BC204-1	159
BC204-6	159
BC204A	234
BC204A-1	159
BC204B	234
BC204B-1	159
BC204V	159
BC204V1	159
BC204V-1	159
BC204V1-1	159
BC205	159
BC205-1	159
BC205A	159
BC205A-1	159
BC205B	234
BC205B-1	159
BC205C	234
BC205L	106
BC205V	159
BC205V-1	159
BC205V1	159
BC205V1-1	159
BC206	234
BC206-1	159
BC206A	159
BC206B	234
BC206B-1	159
BC206C	234
BC207	123A
BC-207	116
BC207A	123A
BC207B	123A
BC207BL	123A
BC208	123A
BC208A	123A
BC208AL	123A
BC208B	123A
BC208BL	123A
BC208C	123A
BC208CL	123A
BC209	123A
BC209/7825B	199
BC209A	123A
BC209B	123A
BC209BL	123A
BC209C	123A
BC209CL	123A
BC210	123A
BC211	128
BC211A	128
BC212(CBE)	159
BC212-1(CBE)	159
BC212A(CBE)	159
BC212AP(CBE)	159
BC212B(CBE)	159
BC212BP(CBE)	159
BC212K(CBE)	159
BC212K-1(CBE)	159
BC212KA(CBE)	159
BC212KA-1(CBE)	159
BC212KB(CBE)	159
BC212KB-1(CBE)	159
BC212L(CBE)	159
BC212L-1(CBE)	159
BC212LA(CBE)	159
BC212LA-1(CBE)	159
BC212LB(CBE)	159
BC212LB-1(CBE)	159
BC212P(CBE)	159
BC212VI(CBE)	159
BC213(CBE)	159
BC213-1(CBE)	159
BC213A(CBE)	159
BC213AP(CBE)	159
BC213B(CBE)	159
BC213BP(CBE)	159
BC213K(CBE)	159
BC213K-1(CBE)	159
BC213KA(CBE)	159
BC213KA-1(CBE)	159
BC213KB(CBE)	159
BC213KB-1(CBE)	159
BC213L(CBE)	159
BC213L-1(CBE)	159
BC213LA(CBE)	159
BC213LA-1(CBE)	159
BC213LB(CBE)	159
BC213LB-1(CBE)	159
BC213P(CBE)	159
BC214	159
BC214-1	159
BC214A	159
BC214B	159
BC214BP	159
BC214CP	159
BC214K	159
BC214K-1	159
BC214KA	159
BC214KA-1	159
BC214KB	159
BC214KB-1	159
BC214KC	159
BC214KC-1	159
BC214L	159
BC214L-1	159
BC214LA	159
BC214LA-1	159
BC214LB	159
BC214LB-1	159
BC214LC	159
BC214LC-1	159
BC214P	159
BC216	128
BC216A	128
BC216B	128
BC220	123A
BC221	159
BC221-1	159
BC222	123A
BC223A	123A
BC223B	123A
BC224	234
BC225	234
BC225-1	159
BC226	192
BC231A	290A
BC231B	290A
BC231M	129
BC232A	289A
BC232B	289A
BC232M	128
BC233A	123A
BC237(CBE)	123AP
BC237-18(CBE)	123AP
BC237A(CBE)	123AP
BC237A5(CBE)	123AP
BC237A18(CBE)	123AP
BC237AP(CBE)	123AP
BC237B(CBE)	123AP
BC237B5(CBE)	123AP
BC237B18(CBE)	123AP
BC237BP(CBE)	123AP
BC237C(CBE)	47
BC237C5(CBE)	47
BC237C18(CBE)	47
BC238(CBE)	123AP
BC238-5(CBE)	123AP
BC238-18(CBE)	123AP
BC238A(CBE)	123AP
BC238A5(CBE)	123AP
BC238A18(CBE)	123AP
BC238AP(CBE)	123AP
BC238B(CBE)	123AP
BC238B5(CBE)	123AP
BC238B18(CBE)	123AP
BC238BP(CBE)	123AP
BC238C(CBE)	47
BC238C5(CBE)	47
BC238C18(CBE)	47
BC238CP(CBE)	47
BC239(CBE)	123AP
BC239-5(CBE)	123AP
BC239-18(CBE)	123AP
BC239A(CBE)	123AP
BC239B(CBE)	123AP
BC239B5(CBE)	123AP
BC239B18(CBE)	123AP
BC239BP(CBE)	123AP
BC239C(CBE)	47
BC239C5(CBE)	47
BC239C18(CBE)	47
BC239CP(CBE)	47
BC240A	288
BC250	159
BC250-1	159
BC250A	159
BC250A-1	159
BC250B	159
BC250B-1	159
BC250C	159
BC250C-1	159
BC251	159
BC251A	159
BC251A-1	159
BC251B	159
BC251B-1	159
BC251C	159
BC251C-1	159
BC252	159
BC252-1	159
BC252A	159
BC252A-1	159
BC252B	159
BC252B-1	159
BC252C	159
BC252C-1	159
BC253	159
BC253-1	159
BC253A	159
BC253A-1	159
BC253B	159
BC253B-1	159
BC253C	159
BC253C-1	159
BC254	289A
BC255	289A
BC256	159
BC256-1	159
BC256A	159
BC256A-1	159
BC256B	159
BC256B-1	159
BC256C	159
BC256C-1	159
BC257	159
BC257-1	159
BC257A	159
BC257B	193A
BC257VI	159
BC258	159
BC258-1	159
BC258A	159
BC258B	193A
BC258VI	159
BC259	159
BC259-1	159
BC259A	159
BC259B	193A
BC260	159
BC260-1	159
BC260A	159
BC260A-1	159
BC260B	159
BC260B-1	159
BC260C	159
BC260C-1	159
BC261	159
BC-261	159
BC261A	159
BC261A-1	159
BC261B	159
BC261B-1	159
BC261C	159
BC261C-1	159
BC262	159
BC262-1	159
BC262A	159
BC262A-1	159
BC262B	159
BC262B-1	159
BC262C	159
BC262C-1	159
BC263	159
BC263A	159
BC263A-1	159
BC263B	159
BC263B-1	159
BC263C	159
BC263C-1	159
BC264	312
BC264A	312
BC264B	312
BC264C	312
BC266	159
BC266-1	159
BC266A	159
BC266B	159
BC267	123A
BC268	123A
BC269	123A
BC270	123A
BC280	123A
BC280A	123A
BC280B	123A
BC280C	123A
BC281	159
BC281-1	159
BC281A	159
BC281A-1	159
BC281B	159
BC281B-1	159
BC281C	159
BC281C-1	159
BC282	123A
BC283	159
BC283-1	159
BC284	123A
BC284A	123A
BC284B	123A
BC285	154
BC286	128
BC287	129
BC289	123A
BC289A	123A
BC289B	123A
BC290	123A
BC290B	123A
BC290C	123A
BC291	159
BC291-1	159
BC291A	159
BC291A-1	159
BC291D	159
BC291D-1	159
BC292	159
BC292A	159
BC292A-1	159
BC292D	159
BC292D-1	159
BC294	129
BC295	108
BC297	159
BC298	159
BC300	282§
BC300-4	154
BC300-5	154
BC300-6	154
BC301	128
BC301-4	128
BC301-5	128
BC301-6	128
BC302-4	128
BC302-5	128
BC302-6	128
BC303	129
BC303-4	129
BC303-5	129
BC303-6	129
BC304	129
BC304-4	129
BC304-5	129
BC304-6	129
BC-307	116
BC307(CBE)	159
BC307A(CBE)	159
BC307AP(CBE)	159
BC307B(CBE)	159
BC307BP(CBE)	159
BC307V1	159
BC308(CBE)	159
BC308A(CBE)	159
BC308AP(CBE)	159
BC308B(CBE)	159
BC308BP(CBE)	159
BC308V1	159
BC309(CBE)	159
BC309A(CBE)	159
BC309B(CBE)	159
BC309BP(CBE)	159
BC310	128
BC311	129
BC312	128
BC313	129
BC313A	129
BC315	159
BC317	123AP
BC317A	123AP
BC317B	123AP
BC318	123AP
BC318A	123AP
BC318B	123AP

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
BC318C	123AP
BC319	123AP
BC319B	123AP
BC319C	123AP
BC320	159
BC320A	234
BC320C	234
BC321	234
BC321A	234
BC321B	234
BC321C	234
BC322	234
BC322B	234
BC322C	234
BC323	282§
BC324	128
BC325	159
BC325A	159
BC326	159
BC326A	159
BC327(CBE)	159
BC327-5(CBE)	159
BC327-16(CBE)	159
BC327-18(CBE)	159
BC327-25(CBE)	298
BC327AP(CBE)	159
BC327CP(CBE)	159
BC328	159
BC328-5	159
BC328-16	298
BC328-18	159
BC328-25	298
BC328AP	159
BC328BP	159
BC328CP	159
BC337(CBE)	123AP
BC337-5(CBE)	123AP
BC337-16(CBE)	123AP
BC337-18(CBE)	123AP
BC337-25(CBE)	123AP
BC337AP(CBE)	123AP
BC337BP(CBE)	123AP
BC337CP(CBE)	123AP
BC338(CBE)	123AP
BC338-5(CBE)	123AP
BC338-16(CBE)	123AP
BC338-18(CBE)	123AP
BC338-25(CBE)	123AP
BC338AP(CBE)	123AP
BC338BP(CBE)	123AP
BC338CP(CBE)	123AP
BC340-6	128
BC340-10	128
BC340-16	128
BC341-6	128
BC341-10	128
BC360-6	129
BC360-10	129
BC360-16	129
BC361-6	129
BC361-10	129
BC368	293
BC369	294
BC370	193
BC375	293◆
BC376	294◆
BC377	123A
BC378	123A
BC381	159
BC382	123A
BC382B	123AP
BC382C	123AP
BC383	123A
BC383B	123AP
BC383C	123AP
BC384	123A
BC384B	123AP
BC384C	199
BC385B	199
BC386A	199
BC386B	199
BC393	288
BC394	154
BC396	129
BC400	159
BC404A	129
BC404V1	129
BC405	159
BC405A	159
BC405B	159
BC406	193
BC406B	159
BC407	123A
BC407A	123A
BC407B	123A
BC408	123A
BC408A	199
BC408B	199
BC408BR	199
BC408C	199
BC409	123A
BC409B	123AP
BC412	195A
BC413(CBE)	123AP
BC413B(CBE)	123AP
BC413BP(CBE)	123AP
BC413C(CBE)	47
BC413CP(CBE)	47
BC414(CBE)	123AP
BC414B(CBE)	123AP
BC414BP(CBE)	123AP
BC414C(CBE)	47
BC414CP(CBE)	47
BC415(CBE)	159
BC415A(CBE)	159
BC415AP(CBE)	159
BC415B(CBE)	159
BC415BP(CBE)	159
BC415C(CBE)	234
BC416(CBE)	159
BC416A(CBE)	159
BC416AP(CBE)	159
BC416B(CBE)	159
BC416BP(CBE)	159
BC416C(CBE)	234
BC416CP(CBE)	234
BC417	159
BC418	159
BC419	159
BC420V1	288
BC429	184
BC430	188
BC431	297
BC431-10	128
BC431-16	128
BC432	129
BC432-10	129
BC432-16	129
BC440	282§
BC441	282§
BC442	107
BC445	159
BC445-5	159
BC445-18	159
BC446	159
BC446-5	159
BC446-18	159
BC447	159
BC447-5	159
BC447-18	159
BC448-5	159
BC449-5	194
BC449-18	194
BC450	383
BC450-5	383
BC450-18	159
BC456	123A
BC460	323
BC461	323
BC461-4	129
BC461-5	129
BC461-6	129
BC477	129
BC477A	129
BC477V1	129
BC478	159
BC478A	159
BC478B	159
BC479	159
BC479B	159
BC485(CBE)	128P
BC485-5(CBE)	128P
BC485-18(CBE)	128P
BC485A(CBE)	128P
BC485A5(CBE)	128P
BC485A18(CBE)	128P
BC485B	159
BC485B5	159
BC485B18	159
BC485L(CBE)	128P
BC485L5(CBE)	128P
BC485L18(CBE)	128P
BC486(CBE)	129P
BC486-5	159
BC486-18	159
BC486A(CBE)	129P
BC486A5(CBE)	129P
BC486A18(CBE)	129P
BC486B	159
BC486B5	159
BC486B18	159
BC486L(CBE)	129P
BC486L5(CBE)	129P
BC486L18(CBE)	129P
BC487(CBE)	128P
BC487-5	159
BC487-18	159
BC487A(CBE)	128P
BC487A5(CBE)	128P
BC487A18(CBE)	128P
BC487B	159
BC487B5	159
BC487B18	159
BC487L(CBE)	128P
BC487L5(CBE)	128P
BC487L18(CBE)	128P
BC488(CBE)	129P
BC488-5	159
BC488-18	159
BC488A(CBE)	129P
BC488A5(CBE)	129P
BC488A18(CBE)	129P
BC488B	159
BC488B5	159
BC488B18	159
BC488L(CBE)	129P
BC488L5(CBE)	129P
BC488L18(CBE)	129P
BC489(CBE)	128P
BC489-5	159
BC489-18	159
BC489A(CBE)	128P
BC489A5(CBE)	128P
BC489A18(CBE)	128P
BC489B	159
BC489B5	159
BC489B18	159
BC489L(CBE)	128P
BC489L5(CBE)	128P
BC489L18(CBE)	128P
BC490(CBE)	129P
BC490-5	159
BC490-18	159
BC490A(CBE)	129P
BC490A5(CBE)	129P
BC490A18(CBE)	129P
BC490B5	159
BC490B18	159
BC490L(CBE)	129P
BC490L5(CBE)	129P
BC490L18(CBE)	129P
BC507A	123A
BC507B	123A
BC508A	123A
BC508B	123A
BC508C	123A
BC509B	123A
BC509C	123A
BC510	123AP
BC510B	123AP
BC512	159
BC512A	159
BC512B	193
BC513	159
BC513A	159
BC513B	193
BC514	193
BC514A	159
BC514B	193
BC520	199
BC520B	199
BC520C	199
BC521	199
BC521C	199
BC521D	199
BC522	199
BC522C	199
BC522D	199
BC522E	199
BC523	199
BC523B	199
BC523C	199
BC526A	234
BC526B	234
BC526C	234
BC527	129
BC528	129
BC532	194
BC533	194
BC534	129
BC535	287
BC537(EBC)	382
BC538(EBC)	382
BC546(CBE)	123AP
BC546A(CBE)	123AP
BC546AP(CBE)	123AP
BC546B(CBE)	123AP
BC546BP(CBE)	123AP
BC546VIP(CBE)	123AP
BC547(CBE)	123AP
BC547A(CBE)	123AP
BC547AP(CBE)	123AP
BC547B(CBE)	123AP
BC547BP(CBE)	123AP
BC547C(CBE)	199
BC547VI(CBE)	123AP
BC547VIP(CBE)	123AP
BC548(CBE)	123AP
BC548A(CBE)	123AP
BC548AP(CBE)	123AP
BC548B(CBE)	123AP
BC548BP(CBE)	123AP
BC548C(CBE)	199
BC548CP(CBE)	199
BC548VIP(CBE)	123AP
BC549(CBE)	123AP
BC549B(CBE)	123AP
BC549BP(CBE)	123AP
BC549C(CBE)	199
BC549CP(CBE)	199
BC550(CBE)	123AP
BC550B(CBE)	123AP
BC550BP(CBE)	123AP
BC550C(CBE)	199
BC550CP(CBE)	199
BC556(CBE)	159
BC556A(CBE)	159
BC556V1(CBE)	159
BC557(CBE)	159
BC557A(CBE)	159
BC557B(CBE)	159
BC557V1(CBE)	159
BC558(CBE)	159
BC558A	159
BC558A(CBE)	159
BC558B(CBE)	159
BC558V1(CBE)	159
BC559(CBE)	159
BC559A(CBE)	159
BC559B(CBE)	159
BC559C(CBE)	234◆
BC560(CBE)	159
BC560A(CBE)	159
BC560B(CBE)	159
BC560C(CBE)	234◆
BC560PA	159
BC560PAK	159
BC560PAL	159
BC560PAM	159
BC560PB	159
BC560PBK	159
BC560PBL	159
BC560PBM	159
BC560PC(CBE)	234◆
BC560PCK(CBE)	234◆
BC560PCL(CBE)	234◆
BC560PCM(CBE)	234◆
BC560V1(CBE)	159
BC582	123AP
BC582A	123AP
BC582B	123AP
BC583	123A
BC583A	123AP
BC583B	123AP
BC-584	123AP
BC617(CBE)	48
BC618(CBE)	48
BC635	382
BC635-6	382
BC635-10	382
BC635-16	382
BC635/BC636	383 + 382(CP)
BC636	383
BC636-6	383
BC636-10	383
BC636-16	383
BC637	382
BC637-6	382
BC637-10	382
BC637-16	382
BC637/BC638	383 + 382(CP)
BC638	383
BC638-6	383
BC638-10	383
BC638-16	383
BC639	382
BC639-6	382
BC639-10	382
BC639-16	382
BC640	383
BC640-6	383
BC640-10	383
BC640-16	383
BC682(EBC)	289A
BC727	129
BC728	129
BC737	199
BC737-10	192
BC738	199
BC807	2407
BC807-16	2407
BC807-25	2407
BC808	2407
BC808-16	2407
BC808-25	2407
BC817	2406
BC817-16	2406
BC817-25	2406
BC818	2406
BC818-16	2406
BC818-25	2406
BC846	2408
BC846A	2408
BC846B	2408
BC847	2408
BC847A	2408
BC847B	2408
BC848	2408
BC848A	2408
BC848B	2408
BC849	2408
BC849B	2408
BC850	2408
BC850B	2408
BC856	2409
BC856A	2409
BC856B	2409
BC857	2409
BC857A	2409
BC857B	2409
BC858	2409
BC858A	2409
BC858B	2409
BC859	2409
BC859A	2409
BC859B	2409
BC860	2409
BC860A	2409
BC860B	2409
BC868	2428
BC869	2429
BC875(CBE)	48
BC876	2342
BC877	2341
BC878	2342
BC879	2341
BC880	2342
BC-1029-CA	7400
BC-1029-CB	7401
BC-1029-CC	7402
BC-1029-CD	7404
BC-1029-CE	7405
BC-1029-CF	7406
BC-1029-CG	7407
BC-1029-CH	7408
BC-1029-CJ	7413
BC-1029-CK	7420
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BC-1029-CR	7454
BC-1029-CS	7474
BC-1029-CT	7475
BC-1029-CU	7476
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BC-1029-CY	7489
BC-1029-DC	74121
BC-1029-DD	74123
BC-1029-DE	74153
BC-1029-DF	74154
BC-1029-DH	74181
BC-1029-DJ	74193
BC-1029-DL	74198
BC-1029-DM	7493A
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BC-1029-DP	74155
BC-1029-DR	74164
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BC1029LB	917
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BC1073A	104
BC-1082	123A
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BC1274	104
BC1274A	104
BC1274B	104
BC1478	123A
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BC5605B	159
BC6500	108
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BCM1002-2	107
BCM1002-3	158
BCM1002-4	102A
BCM1002-5	102A
BCM1002-6	131
BCM1002-18	158
BCR6AM-4	5608
BCR6AM-6	5608
BCR6AM-8	5608
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BCR10AM-8R	56006
BCR10AM-10	56008
BCR10AM-10L	56008
BCR10AM-10R	56008
BCR16C-4	5673◆
BCR16C-6	5675◆
BCR16C-8	5675◆
BCR16C-10	5677◆
BCR25A-4	5683
BCR25A-6	5685
BCR25A-8	5685
BCR25A-10	5687
BCR25B-4	5679
BCR25B-6	5679
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BCV27	2404
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BCV72	2408
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BCW47	128
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BCW47B	123AP
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BCW48A	123AP
BCW48B	123AP
BCW48C	123AP
BCW49	128
BCW49B	123AP
BCW49C	123AP
BCW50	171
BCW51	192
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BCW58	159
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BCW58B	159
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BCW61C	2409
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BCW64B	159
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BCW68F	2406
BCW68G	2406
BCW69	2409
BCW70	2409
BCW71	2408
BCW72	2408
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BCW73-16	123A
BCW73-25	123A
BCW74	123A
BCW74-16	123A
BCW74-25	123A
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BCW75-16	159
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BCW79-25	129
BCW80	129
BCW80-10	129
BCW80-16	129
BCW80-25	129
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BCW82B	85◆
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BCW83B	85
BCW84	85◆
BCW84B	85◆
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BCW86(CBE)	159
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BCW90B	123A
BCW90C	123A
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BCW90KA	192
BCW90KB	192
BCW90KC	192
BCW91(EBC)	289A
BCW91A(EBC)	289A
BCW91B	289A
BCW91K	192
BCW91KA	192
BCW91KB	192
BCW92	129
BCW92A	129
BCW92K	129
BCW92KA	129
BCW92KB	129
BCW93	129
BCW93A	129
BCW93B	159
BCW93K	193
BCW93KA	129
BCW93KB	129
BCW94	123AP
BCW94A	123AP
BCW94B	123AP
BCW94C	123AP
BCW94K	123AP
BCW94KA	123AP
BCW94KB	123AP
BCW94KC	123AP
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BCW96KB	159
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BCX19	2405
BCX20	2406
BCX22	154
BCX23	383
BCX24	154
BCX26	159
BCX30	383
BCX31	128
BCX31(EBC)	382
BCX32	128
BCX33	128
BCX34	128
BCX35	159
BCX36	159
BCX45	159
BCX46	159
BCX46(EBC)	382
BCX47	382
BCX49	382
BCX50	159
BCX51	2429
BCX52	2429
BCX53	2429◆
BCX54	2428
BCX55	2428
BCX56	2428◆
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BCX59	123AP
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BCX69	2429
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BCX71G	2409
BCX71H	2409
BCX71J	2409
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BCY15	123A
BCY16	123A
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BCY38A	159
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BCY42	123A
BCY43	123A
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BCY47	128
BCY48	128
BCY49	128
BCY-50	123A
BCY50	123A
BCY50I	123A
BCY51	123A
BCY51I	123A
BCY54	159
BCY54A	159
BCY56	123A
BCY57	123A
BCY-58	123A
BCY58	123A
BCY58A	123A
BCY58AP	123AP
BCY58B	123A
BCY58BP	123AP
BCY58C	123A
BCY58CP	123AP
BCY58D	123A
BCY58DP	123AP
BCY58IX	123A
BCY58VII	123A
BCY58VIII	123A
BCY59	123A
BCY59-7	123A
BCY59-8	123A
BCY59-9	123A
BCY59A	123A
BCY59AP	123AP
BCY59B	123A
BCY59BP	123AP
BCY59C	123A
BCY59CP	123AP
BCY59D	123A
BCY59DP	123AP
BCY59IX	123A
BCY59VII	123A

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
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BCY65	128
BCY65E	123A
BCY65EAP	123AP
BCY65EBP	123AP
BCY65ECP	123AP
BCY65IX	123A
BCY65VII	123A
BCY65VIII	123A
BCY66	128
BCY67	129
BCY69	123A
BCY70	159
BCY70A	159
BCY71	159
BCY71A	159
BCY72	159
BCY72A	159
BCY76	123A
BCY77A	159
BCY77AP	159
BCY77B	159
BCY77BP	159
BCY77C	159
BCY77VII	159
BCY77VIII	159
BCY78	234
BCY78A	129
BCY78AP	159
BCY78B	129
BCY78BC	159
BCY78CP	159
BCY78V11	159
BCY78V111	159
BCY78VII	193
BCY78VIII	193
BCY79	159
BCY79AP	159
BCY79BP	159
BCY79CP	159
BCY79VII	159
BCY79VIII	193
BCY84A	123A
BCY85	128
BCY85(EBC)	289A
BCY86	128
BCY86(EBC)	289A
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BCY90A	159
BCY90B	159
BCY90B-1	159
BCY91	159
BCY91A	159
BCY91B	159
BCY91B-1	159
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BCY92B	159
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BCY95A	159
BCY95B	159
BCY95B-1	159
BCY96	129
BCY96B	129
BCY97	129
BCY97B	129
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BCY98A	159
BCY98B	159
BCY98B-1	159
BCY327AP	159
BCY443	128
BCY501	123A
BCY511	123A
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BCZ10C	159
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BCZ11A	159
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BCZ12A	159
BCZ12B	159
BCZ12C	159
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BCZ13H	159
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BCZ14A	159
BCZ14B	159
BCZ14C	159
BCZ14D	159
BCZ14E	159
BCZ14F	159
BD-00072	103A
BD-1A	116(2)
BD3A-1B4	166
BD-3A184	166
BD3A-184	117A
BD28	6407
BD71	108
BD106	152
BD106A	152
BD106B	152
BD-107	116
BD-107(Rect.)	116
BD107A	152
BD107B	152
BD109	152
BD111	130
BD111A	328
BD112	328
BD113	229
BD115	154
BD116	328
BD117	284
BD118	328
BD119	286
BD120	286
BD121	328
BD123	328
BD124	152
BD127	157
BD130	130
BD135	373
BD135-10	373
BD135/16	373
BD135/BD136	374 + 373(CP)
BD136	374
BD136-16	374
BD137	373
BD137/BD138	374 + 373(CP)
BD138	374
BD139	373
BD139/BD140	374 + 373(CP)
BD140	374
BD141	280
BD142	130
BD144	162
BD145	328
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BD168	185
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BD184	284
BD185	184
BD186	185
BD187	184
BD188	185
BD189	184
BD190	185
BD195	182
BD196	183
BD197	182
BD198	183
BD199	182
BD200	183
BD201	331
BD201/BD202	332 + 331(CP)
BD202	332
BD203	331
BD203/BD204	332 + 331(CP)
BD204	332
BD205	182
BD206	183
BD207	182
BD208	183
BD220	152
BD221	152
BD222	152
BD223	153
BD224	153
BD225	153
BD226	184
BD227	185
BD228	184
BD229	185
BD231A	152
BD233	184
BD233/BD234	185 + 184(CP)
BD234	185
BD235	184
BD235/01	184
BD236	185
BD239	152
BD239A	152
BD240	153
BD240A	153
BD241	152
BD241A	241
BD241B	291
BD241C	291
BD242	153
BD242A	242
BD242B	292
BD243	152
BD243B	152
BD244	153
BD244A	153
BD244B	153
BD245	390
BD245A	390
BD245B	390
BD245C	390
BD246	393
BD246A	393
BD246B	393
BD246C	393
BD257	392
BD258	393
BD262	254
BD262(Darlington)	254
BD262A	254
BD262A(Darlington)	254
BD263	253
BD263A	259
BD264	264
BD264A	264
BD265	263
BD266	264
BD266A	264
BD266A/BD267A	263 + 264(CP)
BD266B	264
BD266B/BD267B	263 + 264(CP)
BD266/BD227	185 + 184(CP)
BD267	263
BD267A	263
BD267B	263
BD271	152
BD272	153
BD273	196
BD274	292
BD275	196
BD276	197
BD276B	263
BD278	196
BD304/B	378
BD311	284
BD312	285
BD313	284
BD314	285
BD315	388
BD316	68
BD317	388
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BD334	2346
BD335	2345
BD336	2346
BD337	2345
BD338	2346
BD344	185
BD348	185
BD349	184
BD375	184
BD375/BD376	185 + 184(CP)
BD376	185
BD377	184
BD378	185
BD415	49
BD416	50
BD417	49
BD418	50
BD419	49
BD420	50
BD433	184
BD434	185
BD435	184
BD435/BD436	153 + 152(CP)
BD436	185
BD437	184
BD438	185
BD439	152
BD440	153
BD441	196
BD442	197
BD446A	254
BD462	185
BD464	183
BD517	188
BD533	152
BD534	153
BD535	152
BD535/A	152
BD536	153
BD537	196
BD538	197
BD543	331
BD543A	331
BD543B	331
BD543C	331
BD543D	54
BD544	332
BD544A	332
BD544B	332
BD544C	332
BD544D	55
BD561	184
BD562	185
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BD577	241
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BD587	241
BD588	242
BD589	241
BD590	242
BD596	153
BD605	332◆
BD606	332◆
BD607	332◆
BD608	332◆
BD643	263
BD644	264
BD645	263
BD646	264
BD647	263
BD647/BD648	263 + 264(CP)
BD648	264
BD649	263
BD650	264
BD651	2345
BD652	2344
BD675	253
BD675A	253
BD676	254
BD676A	254
BD677	253
BD677A	253
BD678	254
BD678A	254
BD679	253
BD679A	253
BD679/BD680	253 + 54(CP)
BD680	254
BD680A	254
BD681	253
BD682	254
BD695A	259
BD696A	260
BD697	270
BD697A	259
BD698	271
BD698A	260
BD699	259
BD699A	259
BD700	260
BD700A	260
BD701	259
BD702	260
BD705	331
BD706	332
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BD708	332
BD709	331
BD710	332
BD711	331
BD712	332
BD805	331
BD806	332
BD807	331
BD808	332
BD809	331
BD810	332
BD825(ECB)	186A
BD826(ECB)	187A
BD827(ECB)	186A
BD828(ECB)	187A
BD875	253
BD876	254
BD877	253
BD878	254
BD895	2343
BD895A	2343
BD896	2344
BD896A	2344
BD897	2343
BD897A	2343
BD898	2344
BD898A	2344
BD899	2343
BD899A	2343
BD900	2344
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BD901	2343
BD902	2344
BD905	331
BD906	332
BD907	331
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BD70932	4093B
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BDT60	262
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BDT61C	2343
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BDT62B	264
BDT62C	2344
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BDT63B	263
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BDT64C	2344
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BDT65A	2343
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BDT65C	2343
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BDV64A	271
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BDV96	391
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BDW24B	262
BDW24C	2344
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BDW54C	262
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BDX54B	264
BDX54C	264
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BDX62B	2350
BDX62C	2350
BDX63	243
BDX63A	243
BDX63B	2349
BDX63C	2349
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BDX64/BD65	248 + 247(CP)
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BDX65C	2349
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BDX86A	248
BDX86B	248
BDX86C	248
BDX87	247
BDX87A	247
BDX87B	247
BDX87C	247
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BDX88A	248
BDX88B	248
BDX88C	248
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BDY28	283
BDY34	152
BDY37	284
BDY38	130
BDY38/01	130
BDY39	130
BDY53	130
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BDY56	280
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BDY58	327
BDY60	282§
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BDY65	190
BDY71	175
BDY72	175
BDY73	130
BDY74	284
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BDY92	328
BDY93	283
BDY94	283
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BE6A	100
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BE-66	123A
BE71	128
BE107	116
BE117	116
BE127	116
BE173	107
BF1	102A
BF1A	102A
B-F1A	102A
BF2	102A
BF5	121
BF44	102A
BF65	234
BF-66	123A
BF71	123A
BF108	154
BF109	154
BF110	154
BF111	154
BF114	154
BF-115	108
BF115	161
BF117	154
BF118	154
BF119	154
BF120	154
BF121	107
BF123	107
BF125	107
BF127	107
BF140	154
BF140A	154
BF140R	154
BF140S	154
BF152	311
BF153	311
BF154	311
BF155	161
BF155R	154
BF155S	154
BF155SGS	161
BF156	154
BF157	154
BF157B	154
BF158	311
BF159	311
BF160	311
BF161	161
BF162	108
BF163	108
BF164	108
BF165	108
BF166	161
BF167	161
BF168	161
BF169	161
BF173	161
BF173A	108
BF174	154
BF175	161
BF176	108
BF177	154
BF178	154
BF179	154
BF179A	154
BF179B	154
BF179C	154
BF180	161
BF181	161
BF182	161
BF183	161
BF183A	123A
BF184	161
BF185	161
BF186	154
BF187	108
BF188	108
BF189	123A
BF194	229
BF194A	108
BF194B	107
BF195	229
BF195/02	229
BF195C	107
BF195D	107
BF196	229
BF197	107
BF198	229
BF199(CEB)	229
BF200	161
BF206	161
BF207	161
BF208	161
BF209	161
BF212	161
BF213	161
BF214	161
BF-214	123A
BF215	161
BF-215	123A
BF216	107
BF217	107
BF218	107
BF219	107
BF220	107
BF222	161
BF223	108
BF224	229
BF224J	123A
BF225	229
BF225J	123A
BF226	161
BF-226	123A
BF229	107
BF230	107
BF232	161
BF233	229
BF233-2	229
BF233-3	229
BF233-4	108
BF233-5	161
BF234	229
BF235	108
BF236	108
BF237	123AP
BF238	123AP
BF240	229
BF240(CEB)	229
BF240B	229
BF241	229

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
BF241(CEB)	229
BF241C	229
BF243	234
BF244	312
BF244A	312
BF244B	312
BF244C	312
BF245	312
BF245A(GSD)	312
BF245B	312
BF245C	312
BF246	312
BF247	312
BF248	123A
BF249	159
BF250	123A
BF251	161
BF252	161
BF253	107
BF254	229
BF255	229
BF256	312
BF256A	312
BF256B	312
BF256C	312
BF257	396
BF258	396
BF259	154
BF260	161
BF261	161
BF262	108
BF263	108
BF264	108
BF270	161
BF271	161
BF273	161
BF273C	161
BF273D	161
BF274	161
BF274B	161
BF274C	161
BF287	161
BF288	161
BF290	161
BF291	123A
BF291A	123A
BF291B	123A
BF292	154
BF292A	154
BF292B	154
BF292C	154
BF293	123A
BF293A	123A
BF293D	123A
BF294	154
BF297	287
BF297-P	190
BF297-P2	190
BF298	287
BF298-P	191
BF298-P2	191
BF299	288
BF299-P	191
BF299-P2	191
BF302	161
BF303	311
BF304	161
BF305	154
BF306	161
BF308	229
BF309	278
BF310	229
BF311	229
BF314	229
BF315	106
BF316	106
BF321A	123
BF321B	123A
BF321C	123A
BF321D	123A
BF321E	123A
BF321F	123A
BF322	128
BF323	129
BF324	395
BF325	278
BF329	107
BF330	278
BF332	107
BF333	107
BF333C	107
BF333D	107
BF334	107
BF335	107
BF336	154
BF337	154
BF337/01	154
BF338	154
BF339	106
BF340	159
BF340A	159
BF340B	159
BF340C	159
BF340D	159
BF341	341
BF341A	159
BF341B	159
BF341C	159
BF341D	159
BF342	159
BF342A	159
BF342B	159
BF342C	159
BF342D	159
BF343	159
BF344	161
BF345	161
BF348	312
BF355	154
BF357	108
BF365	229
BF367	229
BF368	123AP
BF369	123AP
BF387	128
BF391	287
BF391-P1	191
BF391-P2	191
BF392	287
BF392-P2	191
BF393	287
BF393-P1	191
BF393-P2	191
BF394	293
BF394B	293
BF395	293
BF395C	293
BF395D	293
BF415	154
BF417	154
BF419	157
BF422	399
BF-422	399
BF422-P(ECB)	287
BF422-P3(ECB)	287
BF423(ECB)	288
BF423-P(ECB)	288
BF423-P3(ECB)	288
BF440	159
BF441	159
BF-442(ECB)	287
BF450	159
BF451(CEB)	159
BF455/C	229
BF455/D	229
BF456	373
BF457	373
BF458	157
BF459	157
BF469	157♦
BF470	39♦
BF471	157♦
BF472	39♦
BF494	229
BF494B	229
BF495	229
BF505	229
BF507	229
BF516	161
BF523	395
BF536	2401
BF540	159
BF541	159
BF542	159
BF550	2408
BF579	2403
BF594	229
BF595	229
BF606	395
BF620	2430
BF622	2430
BF642-P	191
BF642-P2	191
BF643-P	191
BF643-P2	191
BF657	154
BF658	154
BF659	154
BF689	161
BF692-P	397
BF692-P2	397
BF693-P	397
BF693-P2	397
BF706	159
BF709	395
BF715	171
BF717	171
BF819	198
BF820	2412
BF821	2413
BF822	2412
BF823	2413
BF824	2401
BF-832	159
BF840	2401♦
BF841	2401♦
BF939	395
BF-960	455
BF960	455
BF964	455
BF26235-5	117A
BFQ35	129
BFQ36	129
BFQ37	129
BFQ85	63
BFR11	123A
BFR16	123A
BFR17	199
BFR18	128
BFR19	128
BFR20	128
BFR21	154
BFR22	128
BFR23	129
BFR24	129
BFR25	199
BFR26	123A
BFR36	278
BFR37	316
BFR39T05	396
BFR40	297
BFR40T05	128
BFR41	297
BFR41T05	128
BFR50	128
BFR51	128
BFR52	128
BFR53	2402
BFR57	154
BFR58	154
BFR59	154
BFR62	383
BFR63	76
BFR64	76
BFR65	76
BFR77	128
BFR78	282§
BFR79T05	383
BFR80T05	383
BFR81T05	383
BFR86	194
BFR86T05	396
BFR87T05	396
BFR88	287
BFR88T05	396
BFR89	287
BFR89T05	396
BFR90	65
BFR92	2402
BFR92A	2402
BFR93	2402
BFR93A	2402
BFR94	76
BFR98	346
BFR99	395
BFS13E	107
BFS13F	107
BFS13G	107
BFS14A	159
BFS14B	159
BFS14C	159
BFS14D	159
BFS14E	107
BFS14F	107
BFS14G	107
BFS15E	107
BFS15F	107
BFS15G	107
BFS16	159
BFS16A	159
BFS16B	159
BFS16C	159
BFS16D	159
BFS16E	107
BFS16F	107
BFS16G	107
BFS17	108
BFS18	2406
BFS18CA	161
BFS19	2406
BFS20	2401
BFS21	312
BFS21A	312
BFS22	195A
BFS23	195A
BFS23A	282§
BFS26	159
BFS26A	159
BFS26B	159
BFS26C	159
BFS26D	159
BFS26E	159
BFS26F	159
BFS26G	159
BFS27E	161
BFS27F	161
BFS27G	161
BFS28	221
BFS28R	221
BFS29	47
BFS29P	192
BFS30	192
BFS30P	192
BFS31	159
BFS31P	123A
BFS32	159
BFS32P	159
BFS33	159
BFS33P	159
BFS34	193
BFS34P	159
BFS36B	123A
BFS36C	123A
BFS37	159
BFS37A	159
BFS38A	123A
BFS40	159
BFS40A	159
BFS41	159
BFS42A	123A
BFS42B	123A
BFS42C	123A
BFS43A	123A
BFS43B	123A
BFS43C	123A
BFS50	311
BFS62	161
BFS68	312
BFS68P	312
BFS69	159
BFS92	129
BFS93	129
BFS94	129
BFS95	129
BFS96	159
BFS97	159
BFS98	159
BFS99	171
BFT19	397
BFT19A	397
BFT20	159
BFT21	106
BFT22	159
BFT25	2402
BFT28	397
BFT28A	397
BFT28B	397
BFT28C	397
BFT29	128
BFT30	128
BFT31	128
BFT39	128
BFT40	128
BFT41	128
BFT42	282§
BFT43	282§
BFT53	128
BFT54	128
BFT55	123A
BFT57	154
BFT59	154
BFT60	129
BFT61	129
BFT62	129
BFT69	159
BFT70	159
BFT71	159
BFT79	129
BFT80	129
BFT81	129
BFT83	297
BFT84	297
BFT92	2403
BFT93	2403
BFT3250T	159
BFT3251T	159
BFV20	159
BFV21	159
BFV22	159
BFV25	159
BFV26	159
BFV29	159
BFV30	159
BFV33	159
BFV82	159
BFV82A	159
BFV82B	159
BFV82C	159
BFV83	108
BFV83A	108
BFV83B	123A
BFV83C	123A
BFV85	123A
BFV85A	123A
BFV85B	123A
BFV85C	123A
BFV85D	108
BFV85E	108
BFV85F	108
BFV85G	108
BFV86	159
BFV86A	159
BFV86B	159
BFV86C	159
BFV87	123A
BFV88	123A
BFV88A	123A
BFV88B	123A
BFV88C	123A
BFV89	199
BFV89A	199
BFW10	312
BFW11	312
BFW12	312
BFW13	312
BFW16A	278
BFW17A	278
BFW19	278
BFW20	159
BFW21	159
BFW22	159
BFW23	159
BFW24	282§
BFW25	282§
BFW26	282§
BFW29	123A
BFW30	278
BFW31	159
BFW32	123A
BFW33	154
BFW36	154
BFW37	154
BFW41	161
BFW42	311
BFW43	288
BFW44	129
BFW45	154
BFW46	123A
BFW47	278
BFW50	166
BFW54	312
BFW55	312
BFW56	312
BFW59	123A
BFW60	123A
BFW61	459
BFW63	161
BFW64	108
BFW68	123A
BFW87	159
BFW88	189
BFW89	159
BFW90	159
BFW91	129
BFX11	82
BFX12	106
BFX13	106
BFX17	128
BFX18	108
BFX19	108
BFX20	108
BFX21	108
BFX29	159
BFX30	159
BFX31	161
BFX32	107
BFX33	311
BFX34	282§
BFX35	159
BFX36	82
BFX37	234
BFX38	129
BFX39	129
BFX40	129
BFX41	129
BFX43	123A
BFX44	123A
BFX45	108
BFX48	106
BFX50	128
BFX51	128
BFX52	128
BFX53	192
BFX55	278
BFX59F	123A
BFX60	161
BFX61	128
BFX62	161
BFX65	159
BFX66	123A
BFX68	128
BFX68A	128
BFX69	128
BFX69A	128
BFX73	161
BFX74	128
BFX74A	129
BFX77	161
BFX84	128
BFX85	128
BFX86	128
BFX87	129
BFX88	129
BFX89	161
BFX90	288
BFX92	123A
BFX92A	123A
BFX93	123A
BFX93A	199
BFX94	123A
BFX95	123A
BFX95A	123A
BFX96	123
BFX96A	128
BFX97	128
BFX97A	128
BFX98	154
BFY	123A
BFY10	123A
BFY11	123A
BFY12	123A
BFY13	128
BFY14	128
BFY15	128
BFY16	192
BFY17	128
BFY18	123A
BFY19	123A
BFY22	123A
BFY-22	123A
BFY-23	123A
BFY23	123A
BFY23A	123A
BFY-23A	123A
BFY-24	123A
BFY24	123A
BFY25	123A
BFY26	123A
BFY27	128
BFY28	123A
BFY29	123A
BFY-29	123A
BFY-30	123A
BFY30	123A
BFY33	123A
BFY34	128
BFY37	123A
BFY-37	108
BFY37I	123A
BFY37i	160
BFY-39	123A
BFY39	123A
BFY39/1	123A
BFY39-1	199
BFY39/2	123A
BFY39-2	199
BFY39-3	199
BFY39/3	123A
BFY39I	123A
BFY40	128
BFY41	154
BFY43	154
BFY44	128
BFY45	154
BFY46	128
BFY47	107
BFY-47	108
BFY-48	108
BFY48	107
BFY49	107
BFY50	128
BFY51	128
BFY52	128
BFY53	128
BFY55	128
BFY56	128
BFY56A	128
BFY56B	128
BFY57	154
BFY63	311
BFY64	129
BFY65	154
BFY66	161♦
BFY67	128
BFY67A	128
BFY67C	128
BFY68	128
BFY68A	128
BFY69	107
BFY69A	107
BFY69B	161
BFY70	128
BFY72	123A
BFY73	123A
BFY74	123A
BFY75	123A
BFY76	123A
BFY77	123A
BFY78	108
BFY79	161
BFY80	128
BFY81	81
BFY82	81
BFY87	161
BFY87A	161
BFY88	161
BFY90	316
BFY90B	316
BFY94	159
BFY99	128
BFY371	123A
BFY391	123A
BG-66	123A
BG71	123A
BG-94	123A
BGX11-600	5711
BGX11-800	5711
BGX11-1200	5711
BGX12-600	5711
BGX12-800	5711
BGX12-1200	5711
BGX13-600	5711
BGX13-800	5711
BGX13-1200	5711
BGX14-600	5711
BGX14-800	5711
BGX14-1200	5711
BGX15-600	5721
BGX15-800	5721
BGX15-1200	5721
BGX17-600	5721
BGX17-800	5721
BGX17-1200	5721
BH4R1	116
BH4R6	156
BH71	123A
BI71	123A
BI-82	106
BI-88	312
BIP7201	123
BIR	247
BJ1A	159
BJ1B	159
BJ1C	159
BJ2	159
BJ2A	159
BJ2B	159
BJ2C	159
BJ2D	159
BJ3	159
BJ3A	159
BJ3B	159
BJ4	159
BJ4A	159
BJ4B	159
BJ4C	159
BJ4D	159
BJ5	159
BJ5A	159
BJ5B	159
BJ6	159
BJ6A	159
BJ6B	159
BJ6C	159
BJ6D	159
BJ7	159
BJ7A	159
BJ7B	159
BJ7C	159
BJ7D	159
BJ8	159
BJ8A	159
BJ8B	159
BJ8C	159
BJ8D	159
BJ9	159
BJ9A	159
BJ9B	159
BJ9C	159
BJ9D	159
BJ10	159
BJ11	159
BJ11A	159
BJ11B	159
BJ12	159
BJ12B	159
BJ12C	159
BJ13	159
BJ13A	159
BJ13B	159
BJ14	159
BJ14A	159
BJ15	159
BJ56	159
BJ-155	614
BJ160	159
BJ161	159
BJ161A	159
BJ161B	159
BJ161C	159
BLVA156A	136A
BLVA168	5071A
BLVA456A	136A
BLVA468	5071A
BLW16	346
BLW25	360
BLW60	325
BLW 60CF5	317
BLX19	73
BLX20	73
BLX21	73
BLX25	70
BLX26	70
BLX27	70
BLX28	70
BLX29	70
BLX30	70
BLX65	278♦
BLX67	362
BLX68	363
BLX88	311
BLX89	278
BLY10	130
BLY11	130
BLY12	328
BLY15	236
BLY20	186
BLY21	152
BLY27	123AP
BLY28	192
BLY35	154
BLY36	152
BLY37	186
BLY47	280
BLY47A	175
BLY48	280
BLY48A	175
BLY49A	175
BLY57	475
BLY58	476
BLY63	152
BLY88	152
BLY88A	350
BLY89	152
BLY89A	351
BLY89T	351
BLY91A	357
BLY92A	360
BLY93	359
BLY93A	360
BLY99	278
BLY568C	336
BLY568CF	335
BM-3B	156
BM30-12	477
BM70-12	352
BM80-12	352
BMT1991	159
BMT2303	159
BMT2411	159
BMT2412	159
BN1A4M	2356
BN1F4M	2358
BN1L4M	2360
BN-66	123A
BN5111	1440
BN5111B	1440
BN5111N	1440
BN5416	1683
BN5436N	1727
BN7133	130
BN7168	175
BN7214	130
BN7253	154
BN7517	123A
BN7518	123A
BN7551	142A
BNB-2202	7402
BNIA4M	2356
BNIF4M	2358
BNIL4M	2360
BO-71	107
BO90	139A
BO94	140A
BO102	116
BO102V	116
BO8875/2	159
BO325350	1657
BO355431	1654
BO356690	1651
BP67	123A
BP224A	616
BP224B	616
BP5263	160
BPS-S-50	519

♦, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
BPW30	3036
BPX25A	3036
BPX38	3031
BPX43	3032
BPX59	3036
BPY62	3032
BPY62/II	3032
BQ67	123A
BQ-94	123A
BR0985	288
BR0FI-356	368
BR-1	166
BR-10S	506
BR42	116
BR44	116
BR46	116
BR47	116
BR48	116
BR52	116
BR-55	614
BR-66	123A
BR-67	123A
BR67	123A
BR-81B	166
BR81D	166
BR-81D	166
BR-82	159
BR-82D	167
BR82D	167
BR84D	168
BR-84D	168
BR86D	169
BR-86D	169
BR-88D	170
BR88D	170
BR90A	5340
BR91A	5340
BR92A	5313
BR94A	5342
BR96A	5342
BR98A	5344
BR100	6408
BR100/03	6408
BR101B	152
BR103	5400
BR-805D	166
BR-810D	170
BR-832	159
BR51400-1	116
BR51401-2	116
BRA40	5314
BRC-116	130
BRC5296	152
BRC-5496	196
BRC6109	197
BRN-SPEC-24-12	519
BRX44	5400
BRX45	5401
BRX46	5402
BRX47	5404
BRX48	5405
BRX49	5405
BRX60	5412
BRX61	5413
BRX62	5414
BRX64	5415
BRX65	5416
BRX66	5416
BRY41-50	5640
BRY41-100	5640
BRY41-200	5641
BRY41-300	5642
BRY41-400	5642
BRY41-500	5643
BRY41-600	5643
BRY45-50	5640
BRY45-100	5640
BRY45-200	5641
BRY45-300	5642
BRY45-400	5642
BRY45-500	5643
BRY45-600	5643
BRY54-100	5408
BRY54-100T	5408
BRY54-300	5409
BRY54-400	5409
BRY54-500	5410
BRY54-600	5410
BRY55-30	5400
BRY55-60	5401
BRY55-100	5402
BRY55-200	5404
BRY55-300	5405
BRY4150	5640
BRY4550	5640
BRY41100	5640
BRY41200	5641
BRY41300	5642
BRY41400	5642
BRY41500	5643
BRY41600	5643
BRY45100	5640
BRY45200	5641
BRY45300	5642
BRY45400	5642
BRY45500	5643
BRY45600	5643
BS08H	5651
BS-1	167
BS1	116
BS2	116
BS6-01A	5673
BS6-02A	5673
BS6-03A	5675
BS6-04A	5675
BS6-05A	5677
BS6-06A	5677
BS7-02A	56004
BS7-04A	56006
BS7-05A	56008
BS7-06A	56008
BS7-07A	56010
BS7-08A	56010
BS8-01A	5673
BS8-02A	5673
BS8-03A	5675
BS8-04A	5675
BS8-05A	5677
BS8-06A	5677
BS9-02A	56004
BS9-04A	56006
BS9-05A	56008
BS9-06A	56008
BS9-07A	56010
BS9-08A	56010
BS10-01A	5673
BS10-02A	5673
BS10-03A	5675
BS10-04A	5675
BS10-05A	5677
BS10-06A	5677
BS-60	172A
BS-66	123A
BS67	123A
BS-94	123A
BS242C	292
BS475	123A
BS9011G	123AP
BSA01	177
BSA02	177
BSA11	177
BSF91A	129
BSF91B	129
BSR13	2406
BSR14	2406
BSR15	2407
BSR16	2407
BSR17	2406
BSR17A	2406
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BSR18A	2407
BSR19	2410
BSR19A	2410
BSR20	2411
BSR20A	2411
BSR30	2429
BSR31	2429
BSR32	2429
BSR33	2429
BSR40	2428
BSR41	2428
BSR42	2428
BSR43	2428
BSR52	2341
BSR62	2342
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BSS13	278
BSS14	282§
BSS15	282§
BSS16	282§
BSS17	129
BSS18	129
BSS19	171
BSS20	171
BSS21	123A
BSS23	192
BSS26	123A
BSS28	128
BSS29	128
BSS33	154
BSS38(CBE)	287
BSS40	128
BSS41	128
BSS42	282§
BSS43	282§
BSS44	129
BSS45	282§
BSS63	2411
BSS64	2410
BSS82C	2407
BST16	2431
BST39	2430
BST40	2430
BST50	2426
BST51	2426
BST52	2426
BST60	2427
BST61	2427
BST62	2427
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BStC0113	5483
BStC0126	5485
BStC0133	5487
BStC0140	5487
BSTC0313	5524
BSTC0326	5527
BSTC0340	5529
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BSTC0540	231
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BStC0626t	230
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BStC0633S9t	231
BStC0633t	230
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BSTC0643H	230
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BStCC0133S6t	310
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BStCC0143H	310
BStCC0143R	308
BStCC0146S6t	310
BStCC0146t	310
BStCC0153	308
BStCC0153H	310
BStCC0153R	308
BSTD0313	5524
BSTD0326	5527
BSTD0340	5529
BSTD0353	5531
BStL-3760F	5375◆
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BSV15-10	129
BSV16	129
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BSV21A	159
BSV35A	123A
BSV35B	108
BSV35C	108
BSV35D	108
BSV40	123A
BSV41	123A
BSV43A	159
BSV43B	193
BSV44A	159
BSV44B	193
BSV45A	159
BSV45B	193
BSV47A	159
BSV47B	193
BSV48A	159
BSV48B	193
BSV49A	159
BSV49B	193
BSV51	128
BSV53	123A
BSV53P	107
BSV54	123A
BSV54P	107
BSV55A	159
BSV55AP	159
BSV55P	159
BSV57	6401
BSV57B	6409
BSV59	123A
BSV60	282§
BSV68	288
BSV69	128
BSV78	466
BSV79	466
BSV82	129
BSV83	129
BSV84	128
BSV86	123AP
BSV87	123AP
BSV88	123A
BSV89	123A
BSV90	123A
BSV91	123A
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BSV96	159
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BSV98	159
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BSW21	159
BSW-21A	159
BSW21A	159
BSW22	159
BSW-22	159
BSW-22A	159
BSW22A	159
BSW23	129
BSW-24	159
BSW24	159
BSW25	395
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BSW39	123A
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BSW39-16	128
BSW40	129
BSW40-6	129
BSW40-10	129
BSW40-16	129
BSW40-25	129
BSW41	123A
BSW41A	123A
BSW42	123A
BSW42A	123A
BSW43	123A
BSW43A	123A
BSW44	159
BSW-44	159
BSW-44A	159
BSW44A	159
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BSW68	282§
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BSW68A	396
BSW69	396
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BSW-74	159
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BSW84	123A
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BSW92	123A
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BSX12A	128
BSX19	123A
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BSX21	194
BSX22	195A
BSX23	128
BSX24	123A
BSX25	123A
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BSX27	108
BSX28	311
BSX29	106
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BSX46-16	128
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BSX63C	282§
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BSY-40	159
BSY-41	159
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BSY46	128
BSY48	123A
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BSY55	128
BSY56	128
BSY58	123A
BSY59	123A
BSY61	123A
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BSY83	128
BSY84	128
BSY85	128
BSY86	128
BSY87	128
BSY88	128
BSY89	123A
BSY90	128
BSY91	123A
BSY92	128
BSY93	123A
BSY-95	108
BSY95	123A
BSY95A	123A
BSY165	123A
BSY168	123A
BT32	6408
BT67	123A
BT71	123A
BT-82	159
BT-94	123A
BT100A-300R	5457
BT101-300R	5485
BT101-500R	5487
BT102-300R	5485
BT102-500R	5487
BT107	5487
BT108	5487
BT119	230
BT120	231
BT121	230
BT136-500	5645
BT136-500E	5645◆
BT136-500F	5645
BT136-600	5645
BT136-600E	5645◆
BT136-600F	5645
BT137-500	5645
BT137-500E	5645◆
BT137-500F	5645
BT137-600	5645
BT137-600E	5645◆
BT137-600F	5645
BT138-500	56008
BT138-500F	56008◆
BT138-500G	56008
BT138-600	56008
BT138-600F	56008◆
BT138-600G	56008
BT138-800	56010
BT138-800F	56010◆
BT138-800G	56010
BT139-500	56017
BT139-500F	56017◆
BT139-500G	56017
BT139-600	56017
BT139-600F	56017◆
BT139-600G	56017
BT139-800	56018◆
BT139-800G	56018
BT151-500R	5466◆
BT151-650R	5468◆
BT152-400R	5554
BT152-600R	5556
BT152-800R	5558
BT708T	123A
BT832	159
BT918T	311
BT929T	123A
BT930T	123A
B-T1000-139	107
BT2221AT	123A
BT2221T	123A
BT2222AT	123A
BT2222T	123A
BT2369A	311
BT2483T	128
BT2484T	128
BT2604T	159
BT2708T	311
BT2906	159
BT2906AT	159
BT2907	159
BT2907AT	159
BT2945T	159
BT3227T	123A
BT3250AT	159
BT3251AT	159
BT3700T	154
BT3701T	154
BT3724T	123A
BT3725T	123A
BT5109T	123A
BT151500R	5466◆
BTA04-200	5638
BTA04-200S	5638
BTA04-200T	5638◆
BTA04-400	5638
BTA04-400S	5638
BTA04-400T	5638
BTA06-200	5638
BTA06-200B	5645
BTA06-200C	5645◆
BTA06-200S	5638
BTA06-200T	5638◆
BTA06-400	5638
BTA06-400B	5645
BTA06-400C	5645◆
BTA06-400S	5638
BTA06-400T	5638◆
BTA08-200	5638
BTA08-200B	5645
BTA08-200C	5645◆
BTA08-200S	5638
BTA08-400	5638
BTA08-400B	5645
BTA08-400C	5645◆
BTA08-400S	5638
BTA10-200B	5645
BTA10-200C	5645◆
BTA10-400B	5645
BTA10-400C	5645◆
BTA12-200B	56019
BTA12-200C	56019◆
BTA12-400B	56020
BTA12-400C	56020◆
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BTA40-600	5679
BTA40-600A	5679
BTB04-200	5608
BTB04-200S	5608
BTB04-200T	5608◆
BTB04-400	5608
BTB04-400S	5608
BTB04-400T	5608◆
BTB04-700	5610
BTB04-700S	5610
BTB04-700T	5610◆
BTB06-200	5608
BTB06-200B	5633
BTB06-200C	5633◆
BTB06-200S	5608
BTB06-200T	5608◆
BTB06-400	5608
BTB06-400B	5635
BTB06-400C	5635◆
BTB06-400S	5608
BTB06-400T	5608◆
BTB06-700	5610
BTB06-700S	5610
BTB06-700T	5610◆
BTB08-200	5608
BTB08-200B	5633
BTB08-200C	5633◆
BTB08-200S	5608
BTB08-400	5608
BTB08-400B	5635
BTB08-400C	5635◆
BTB08-400S	5608
BTB08-700	5610
BTB08-700S	5610
BTB10-200B	5633
BTB10-200C	5633◆
BTB10-400B	5635
BTB10-400C	5635◆
BTB12-200B	56004
BTB12-200C	56004◆
BTB12-400B	56006
BTB12-400C	56006◆
BTB12-700B	56010
BTB12-700C	56010◆
BTB16-300B	56015
BTB16-400B	56016
BTB16-700B	56018
BTB25-200	5679
BTB25-200A	5679
BTB25-400	5679
BTB25-400A	5679
BTB40-200	5679
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BTB40-400	5679
BTB40-400A	5679
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BTB40-600A	5679
BTB1000	156
BTD0105	5640
BTD0105A	5640
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BTD0160A	5643
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BTD0205A	5640
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BTD0220A	5641
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BTD0230A	5642
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BTD0240A	5642
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BTD0250A	5643
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BTD0260A	5643
BTD4L	6407
BTM50	116
BTM-50	5800
BTM1000	156
BTR0205A	5631
BTR0210	5632
BTR0210A	5632
BTR0220	5633
BTR0220A	5633
BTR0230	5635
BTR0230A	5635
BTR0240	5635
BTR0240A	5635
BTR0250	5637
BTR0250A	5637
BTR0260	5637
BTR0260A	5637
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BTR0340	5635
BTR0340A	5635
BTR0350	5637
BTR0350A	5637
BTR0360	5637
BTR0360A	5637
BTR0505	5631
BTR0505A	5631
BTR0510	5632
BTR0510A	5632
BTR0520	5633
BTR0520A	5633
BTR0530	5635
BTR0530A	5635
BTR0540	5635
BTR0540A	5635
BTR0550	5637
BTR0550A	5637
BTR0560	5637
BTR0560A	5637
BTU0305	5673
BTU0305A	5673
BTU0310	5673
BTU0310A	5673
BTU0320	5673
BTU0320A	5673
BTU0330	5675
BTU0330A	5675

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
BTU0340	5677
BTU0340A	5675
BTU0350	5677
BTU0350A	5677
BTU0360	5677
BTU0360A	5677
BTU0405	5667A
BTU0405A	5673
BTU0410	5667A
BTU0410A	5673
BTU0420	5667A
BTU0420A	5673
BTU0430	5667A
BTU0430A	5675
BTU0440	5667A
BTU0440A	5675
BTU0450	5667A
BTU0450A	5677
BTU0460	5667A
BTU0460A	5677
BTU0505	5673
BTU0505A	5673
BTU0510	5673
BTU0510A	5673
BTU0520	5673
BTU0520A	5673
BTU0530	5675
BTU0530A	5675
BTU0535	5677
BTU0540	5675
BTU0540A	5675
BTU0550	5677
BTU0550A	5677
BTU0560	5677
BTU0560A	5677
BTU0605	5681
BTU0605A	5681
BTU0610	5682
BTU0610A	5682
BTU0620	5683
BTU0620A	5683
BTU0630	5685
BTU0630A	5685
BTU0640	5685
BTU0640A	5685
BTU0650	5687
BTU0650A	5687
BTU0660	5697
BTU0660A	5687
BTU650	5687
BTU3605	5697
BTV0405	56022♦
BTV0405A	56022♦
BTV0410	56022♦
BTV0410A	56022♦
BTV0420	56022♦
BTV0420A	56022♦
BTV0430	56024♦
BTV0430A	56024♦
BTV0440	56024♦
BTV0440A	56024♦
BTV0450	56026♦
BTV0450A	56026♦
BTV0460	56026♦
BTV0460A	56026♦
BTV24-600R	5568
BTV24-800R	5569
BTV24-1200R	5569
BTW13-50	5673
BTW13-100	5673
BTW13-200	5673
BTW13-300	5675
BTW13-400	5675
BTW13-500	5677
BTW13-600	5677
BTW16-50	5673
BTW16-100	5673
BTW16-200	5673
BTW16-300	5675
BTW16-400	5675
BTW16-500	5677
BTW16-600	5677
BTW19-50	5673
BTW19-100	5673
BTW19-200	5673
BTW19-300	5675
BTW19-400	5675
BTW19-500	5677
BTW19-600	5677
BTW20-50	5681
BTW20-100	5682
BTW20-200	5683
BTW20-300	5685
BTW20-400	5685
BTW20-500	5687
BTW20-600	5697
BTW28-600R	5509
BTW28A600R	5509
BTW30-600	5360
BTW30-600M	5360‡
BTW39-50	5521
BTW39-50X	5521
BTW39-100	5522
BTW39-100X	5522
BTW39-200	5524
BTW39-200X	5524
BTW39-300	5527
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BTW39-400	5527
BTW39-400X	5527
BTW39-500	5529
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BTW39-600X	5529
BTW39-700	5531
BTW39-700X	5531
BTW39-800	5531
BTW39-800X	5531
BTW40-400R	5545‡
BTW40-400RU	5545
BTW40-600R	5547‡
BTW40-600RU	5547
BTW40-800R	5548
BTW43-600	5667A
BTW43-600G	5667A
BTW43-800	5668A
BTW43-800G	5668A
BTW43-1000	5669A
BTW43-1000G	5669A
BTW45-400R	5545‡
BTW45-400RU	5545
BTW45-600R	5547‡
BTW45-600RU	5547
BTW45-800R	5548‡
BTW45-800RU	5548
BTW48-200	5567♦
BTW48-400	5568♦
BTW48-600	5568♦
BTW48-800	5569♦
BTW48-1200	5569♦
BTW49-50	5360
BTW49-50M	5360‡
BTW49-100	5360
BTW49-100M	5360‡
BTW49-200	5360
BTW49-200M	5360‡
BTW49-400	5360
BTW49-400M	5360‡
BTW49-600	5360
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BTW50-1200	5569
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BTW1950	5673
BTW2050	5681
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BTW19500	5677
BTW19600	5677
BTW20100	5682
BTW20200	5683
BTW20300	5685
BTW20400	5685
BTW20500	5687
BTW20600	5697
BTX068	123A
BTX-068	199
BTX-070	123A
BTX070	102A
BTX071	103A
BTX-071	129
BTX-084	234
BTX-094	123A
BTX-095	123A
BTX-096	123A
BTX-097	129
BTX0505	56022
BTX0505A	56022
BTX0510	56022
BTX0510A	56022
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BTX0630A	56024
BTX0640	56024
BTX0640A	56024
BTX0650	56026
BTX0650A	56026
BTX0660	56026
BTX0660A	56026
BTX18-100	5408
BTX18-200	5408
BTX18-300	5409
BTX18-400	5409
BTX18-500	5410
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BTX33-600R	5547
BTX68-500R	5496
BTX68-600R	5496
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BTX75/300R	5527
BTX75/400R	5527
BTX76/100R	5542
BTX76/200R	5543
BTX76/300R	5545
BTX76/400R	5545
BTX81/100R	5542
BTX81-100R	5542
BTX81/200R	5543
BTX81-200R	5543
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BTX81/400R	5545
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BTX81-500R	5547
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BTX81/600R	5547
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BTX94-600H	5697
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BTY79-500R	5529
BTY79-600R	5529
BTY79-800R	5531
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BTY95-150R	5371
BTY95-200R	5371
BTY95-250R	5371
BTY95-300R	5371
BTY95-400R	5371
BTY95-500R	5371
BTY95-600R	5371
BTY95-800R	5372
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BU67	123A
BU71	123A
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BU104	283
BU105	165
BU105/04	165
BU106	283
BU107	283
BU108	165
BU108/03	165
BU108/04	165
BU108/05	165
BU108/05A	165
BU108/07	165
BU108/09	165
BU109	163A
BU110	283
BU111	283
BU113	283
BU115	165
BU120	283
BU125	282§
BU126	283
BU129	283
BU133	283
BU133/02	283
BU180	256
BU180A	256
BU184	2315
BU189	2315
BU204	389
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BU207	165
BU207A	163A
BU208	165
BU208A	165
BU208B	165
BU210	383
BU226	62
BU310	283
BU311	283
BU312	283
BU322	97
BU323	97
BU326	283
BU326A	283
BU406	379
BU407	379
BU408	379
BU409	379
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BU426A	2310
BU426V	2310
BU433	2310
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BU508	2300
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BU508D	2318
BU508D/01	2318
BU508V	2300#
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BU807	2315
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BU921P	2316
BU922P	2316
BU930	98
BU930P	2317
BU931	98
BU931P	2317
BU931R	98
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BU932P	2317
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BU4015B	4015B
BU4016B	4016B
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BU4051B	4051B
BU4052B	4052B
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BU4066B	4066B
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BUX16B	283
BUX16C	283
BUX17	385
BUX17A	385
BUX17B	385
BUX17C	385
BUX29	97
BUX32	2311
BUX32A	2311
BUX32B	2311
BUX36	2319
BUX39	327
BUX40	327
BUX44	2319
BUX46	389
BUX46A	389
BUX47	2311
BUX47A	2311
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BUX67B	369
BUX67C	369
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BUX81	386
BUX82	283
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BUX84	2313
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BUX86	2327
BUX87	2327
BUX97	385
BUX97A	386
BUX97B	386
BUY18S	283
BUY24	152
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BUY38	384
BUY44	280
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BUY52A	327
BUY53A	327
BUY54A	327
BUY56	87
BUY69	283
BUY69B	283
BUY69C	283
BUY70B	283
BUY70C	283
BUY71	62
BUY89	238
BUZ20	66
BUZ24	2392
BUZ31	2388
BUZ32	2388
BUZ60	67
BUZ60B	67
BUZ71	66
BUZ71A	66
BUZ72	66
BUZ72A	66
BUZ73A	2388
BUZ84	2384
BUZ84A	2384
BV25	116
BV40	116
BV67	123A
BV71	123A
BW67	123A
BW71	123A
BX090	139A
BX67	123A
BX71	123A
BX-324	158
BX-495	158(2)
BX495(Sony)	158(2)
BX909	139A
BXC18	2407
BXY10	125
BXY63	139A
BY0331	580
BY12 00	125
BY67	123A
BY71	123A
BY100	125
BY100S	125
BY101	116
BY102	116
BY103	506
BY104	125
BY105	125
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BY107	116
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BY111	116
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BY117	116
BY119	125
BY121	116
BY122	166
BY123	167
BY124	116
BY125	116
BY126	116
BY126/50	156
BY126/100	156
BY126/200	156
BY126/300	156
BY126/400	156
BY127	506
BY127/500	125
BY127/600	125
BY127/700	125
BY128	125
BY129	125
BY130	116
BY133	506
BY134	116
BY135	116
BY141	116
BY153	116
BY156	156
BY157	506
BY158	506
BY159(BRIDGE)	5304
BY159/1	5304
BY159-50	5304
BY159/100	5304
BY159-200	5304
BY159-400	5304
BY164	166
BY172	156
BY173	156
BY179	170
BY188A	116
BY188B	116
BY201	5804
BY201-2	5834
BY201-200	552
BY201-300	552
BY201-400	552
BY201-500	552
BY201-600	552
BY202	5834
BY203	5834
BY204	5806
BY205	5838
BY206	552
BY207	552
BY208	558
BY208-600	552
BY208/600	558
BY208-800	55
BY208-1000	558
BY208/1000	558
BY209	5846
BY210-400	552
BY210-600	552
BY211	5830
BY212	5834
BY213	5834
BY214	5812
BY214-50	5812
BY214-100	5812
BY214-200	5814
BY214-400	5814
BY214-600	5815
BY214-800	5817
BY214-1000	5817
BY215	5838
BY216	5842
BY217	5806
BY218	5846
BY219	5846
BY221	5830
BY222	5834
BY226	125
BY227	125
BY228(DO4)	5846
BY229-200	581
BY229-400	581
BY251	156
BY252	156
BY253	156
BY254	156
BY256	166
BY261-200	5322
BY261-400	5324
BY261-600	5326
BY296	580
BY297	580
BY298	580
BY301(Bradley)	5830♦
BY302(Bradley)	5834♦
BY303(Bradley)	5834♦
BY304(Bradley)	5838♦
BY305(Bradley)	5838♦
BY306(Bradley)	5842♦
BY307(Bradley)	5842♦
BY308(Bradley)	5846♦
BY309(Bradley)	5846♦
BY311(Bradley)	5830♦
BY312(Bradley)	5834♦
BY313(Bradley)	5834♦
BY314(Bradley)	5838♦
BY315(Bradley)	5838♦
BY316(Bradley)	5842♦
BY317(Bradley)	5842♦
BY318(Bradley)	5846♦
BY319(Bradley)	5846♦
BY321(Bradley)	5830♦
BY322(Bradley)	5834♦
BY323(Bradley)	5834♦
BY324(Bradley)	5838♦
BY325(Bradley)	5838♦
BY326(Bradley)	5842♦
BY327(Bradley)	5842♦
BY328(Bradley)	5846♦
BY329(Bradley)	5846♦
BY396	580
BY397	580
BY398	580
BY401	116
BY402	116
BY403	116
BY404	116
BY405	116
BY406	552
BY407	552
BY408(Bradley)	5866♦
BY409	5866
BY411(Bradley)	5850♦
BY412(Bradley)	5854♦
BY413(Bradley)	5854♦
BY414(Bradley)	5858♦
BY415(Bradley)	5858♦
BY416(Bradley)	5862♦
BY417(Bradley)	5862♦
BY418(Bradley)	5866♦
BY419(Bradley)	5866♦
BY421(Bradley)	5850♦
BY422(Bradley)	5854♦
BY423(Bradley)	5854♦
BY424(Bradley)	5858♦
BY425(Bradley)	5858♦
BY426(Bradley)	5862♦
BY427(Bradley)	5862♦
BY428(Bradley)	5866♦
BY429(Bradley)	5866♦
BY501(Bradley)	5870♦
BY502(Bradley)	5874♦
BY503(Bradley)	5874♦
BY504(Bradley)	5878♦
BY505(Bradley)	5878♦
BY506(Bradley)	5882♦
BY507(Bradley)	5882♦
BY508(Bradley)	5886♦
BY509(Bradley)	5886♦
BY511(Bradley)	5870♦
BY512(Bradley)	5874♦
BY513(Bradley)	5874♦
BY514(Bradley)	5878♦
BY515(Bradley)	5882♦
BY516(Bradley)	5882♦
BY517(Bradley)	5882♦
BY518(Bradley)	5886♦
BY519(Bradley)	5886♦
BY521(Bradley)	5870♦
BY522(Bradley)	5874♦
BY523(Bradley)	5874♦
BY524(Bradley)	5878♦
BY525(Bradley)	5878♦
BY526(Bradley)	5882♦
BY527(Bradley)	5882♦
BY528(Bradley)	5886♦
BY529(Bradley)	5886♦
BY701	5850
BY702	5854
BY703	5854
BY704	5858
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BY707	5862
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BY711	5850
BY712	5854
BY713	5854
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BY715	5858
BY716	5862
BY717	5862
BY718	5866
BY719	5866
BY721	5850
BY722	5854
BY723	5854
BY724	5858
BY725	5858
BY726	5862
BY727	5862
BY728	5866
BY729	5866
BY801	5870
BY802	5874
BY803	5874
BY804	5878
BY805	5878
BY806	5882
BY807	5882
BY808	5886
BY809	5886
BY811	5870
BY812	5874
BY813	5874
BY814	5878
BY815	5878
BY816	5882
BY817	5882
BY818	5886
BY819	5886
BY821	5870
BY822	5874
BY823	5874
BY824	5878
BY825	5878
BY826	5882
BY827	5882
BY828	5886
BY829	5886
BY1001	125
BY1002	125

To Be Replaced	ECG Replacement
BY1101	125
BY1102	125
BY1201	125
BY1202	125
BY2001	5848
BY2002	5848
BY2101	5848
BY2102	5848
BY2201	5848
BY2202	5848
BY3001(Bradley)	5848◆
BY3002(Bradley)	5848◆
BY3101(Bradley)	5848◆
BY3102(Bradley)	5848◆
BY3201(Bradley)	5848◆
BY3202(Bradley)	5848◆
BY4001(Bradley)	5868◆
BY4002(Bradley)	5868◆
BY4101(Bradley)	5868◆
BY4102(Bradley)	5868◆
BY4201(Bradley)	5868◆
BY4202(Bradley)	5868◆
BY5001(Bradley)	5890◆
BY5002(Bradley)	5890◆
BY5101(Bradley)	5890◆
BY5102(Bradley)	5890◆
BY5201(Bradley)	5890◆
BY5202(Bradley)	5890◆
BY7001	5868
BY7002	5868
BY7101	5868
BY7102	5868
BY7201	5868
BY7202	5868
BY8001	5890
BY8002	5890
BY8101	5890
BY8102	5890
BY8201	5890
BY8202	5890
BYDD66	411/396
BYQ331	580
BYQ28-50	6240
BYQ28-100	6240
BYQ28-150	6240
BYQ28-200	6240
BYT01-200	587
BYT03-200	588
BYT16P-200	6240
BYT95	580
BYT95A	580
BYT95B	580
BYT95C	580
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BYV10-30	585
BYV10-40	585
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BYV20-40M	6084‡
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BYV21-40M	6084‡
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BYV30-300R	5821◆
BYV30-400	5820◆
BYV30-400R	5821◆
BYV32-600	6156◆
BYV33-30	6087
BYV33-35	6087
BYV33-40	6087
BYV33-45	6087
BYV43-35	6087
BYV43-40	6087
BYV43-45	6087
BYV52-50	6246
BYV52-100	6246
BYV52-150	6246
BYV52-200	6246
BYV72-50	6246
BYV72-100	6246
BYV72-150	6246
BYV72-200	6246
BYV73-30	6090
BYV73-35	6090
BYV73-40	6090
BYV73-45	6090
BYV92-200	6006◆
BYV92-200R	6007◆
BYV92-300	6008◆
BYV92-300R	6009◆
BYV92-400	6008◆
BYV92-400R	6009◆
BYV95	580
BYV95A	580
BYV95B	580
BYV95C	580
BYW54	580
BYW62	5340
BYW64	5342
BYW66	5342
BYW68	5344
BYW88-50	5870
BYW88-50M	5870‡
BYW88-50MR	5871‡
BYW88-50R	5871
BYW88-100	5874
BYW88-100M	5874‡
BYW88-100MR	5875‡
BYW88-100R	5875
BYW88-200	5874
BYW88-200M	5874‡
BYW88-200MR	5875‡
BYW88-200R	5875
BYW88-300	5878
BYW88-300M	5878‡
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BYW88-300R	5879
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BYW88-500R	5883
BYW88-600	5882
BYW88-600M	5882‡
BYW88-600MR	5883‡
BYW88-600R	5883
BYW88-800	5886
BYW88-800M	5886‡
BYW88-800MR	5887‡
BYW88-800R	5887
BYW88-1000	5890
BYW88-1000M	5890‡
BYW88-1000MR	5891‡
BYW88-1000R	5891
BYW95	580
BYW95A	580
BYW95B	580
BYW95C	580
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BYW99P-200	6246
BYW100-50	587
BYW100-100	587
BYW100-150	587
BYW100-200	587
BYX10	125
BYX12/400	125
BYX13-400	5990
BYX13/600	125
BYX13-600	5994
BYX13-1000	6002
BYX13/1000	5999
BYX15	5999
BYX16	5998
BYX22/200	116
BYX22/400	116
BYX22/600	116
BYX22/800	125
BYX22-1200	506
BYX24	168
BYX25-600	5924
BYX25-600R	5925
BYX25-800	5928
BYX25-800R	5929
BYX25-1000	5932
BYX25-1000R	5933
BYX26-60	156
BYX32-600R	6157◆
BYX32-800	6158◆
BYX32-800R	6159◆
BYX32-1000	6158◆
BYX32-1000R	6159◆
BYX32-1200	6162◆
BYX32-1200R	6163◆
BYX36/150	116
BYX36-150	156
BYX36-300	116
BYX36/300	116
BYX36-600	116
BYX36/600	116
BYX38	156
BYX38-300	5900
BYX38/300	5838
BYX38/300R	5835
BYX38-300R	5901
BYX38-600	5924
BYX38/600	5842
BYX38/600R	5839
BYX38-600R	5925
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BYX38/900	5848
BYX38-900R	5911
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BYX38/1200	5846
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BYX39-600R	5883
BYX39/800	5886
BYX39-800	5886
BYX39-800R	5887
BYX39-1000	5890
BYX39/1000	5890
BYX39-1000R	5891
BYX40-600	5882
BYX40-600R	5883
BYX40-800	5886
BYX40-800R	5887
BYX40-1000	5890
BYX40-1000R	5891
BYX42/300	5878
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BYX50-200R	5819◆
BYX50-300	5820◆
BYX50-300R	5821◆
BYX50-400	5858
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BYX50-500	5862
BYX50-500R	5863
BYX50-600	5862
BYX50-600R	5863
BYX52-300	5988
BYX52-300R	5989
BYX52-600	5994
BYX52-600R	5995
BYX52-900	6002
BYX52-900R	6003
BYX55/350	580
BYX55/600	580
BYX56-600	5994
BYX56-600R	5995
BYX56-800	5998
BYX56-800R	5999
BYX56-1000	6002
BYX56-1000R	6003
BYX57-500	506
BYX57-600	506
BYX58-50	552
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BYX60-300	116
BYX60-400	116
BYX60-500	116
BYX60-600	116
BYX60-700	125
BYX61-50	5818◆
BYX61-50M	5818◆
BYX61-50MR	5819◆
BYX61-50R	5819◆
BYX61-100	5818◆
BYX61-100M	5818◆
BYX61-100MR	5819◆
BYX61-100R	5819◆
BYX61-200	5818◆
BYX61-200M	5818◆
BYX61-200MR	5819◆
BYX61-200R	5819◆
BYX61-300	5820◆
BYX61-300M	5820◆
BYX61-300MR	5821◆
BYX61-300R	5821◆
BYX61-400	5820◆
BYX61-400M	5820◆
BYX61-400MR	5821◆
BYX61-400R	5821◆
BYX62-600	5822
BYX62-600R	5823
BYX63-600	6010
BYX63-600M	6010
BYX63-600MR	6011
BYX63-600R	6011
BYX64-600	6010
BYX64-600M	6010
BYX64-600MR	6011
BYX64-600R	6011
BYX65-50	6006◆
BYX65-50M	6006◆
BYX65-50R	6007◆
BYX65-59MR	6007◆
BYX65-100	6006◆
BYX65-100M	6006◆
BYX65-100MR	6007◆
BYX65-100R	6007◆
BYX65-200	6006◆
BYX65-200M	6006◆
BYX65-200MR	6007◆
BYX65-200R	6007◆
BYX65-300	6008◆
BYX65-300M	6008◆
BYX65-300MR	6009◆
BYX65-300R	6009◆
BYX65-400	6008◆
BYX65-400M	6008◆
BYX65-400MR	6009◆
BYX65-400R	6009◆
BYX66-400	5920
BYX66-400M	5820
BYX66-400MR	5821
BYX66-400R	5821
BYX66-500	5822
BYX66-500M	5822
BYX66-500MR	5823
BYX66-500R	5823
BYX66-600	5822
BYX66-600M	5822
BYX66-600MR	5823
BYX66-600R	5823
BYX66-800	5908
BYX66-1000	5932
BYX67-500	6010
BYX67-500M	6010◆
BYX67-500MR	6011
BYX67-500R	6011
BYX67-600	6010
BYX67-600M	6010
BYX67-600MR	6011
BYX67-600R	6011
BYX71-350	581◆
BYX97-300	6034
BYX97-300R	6035
BYX97-600	6040
BYX97-600R	6041
BYX98-300	5878
BYX98-300R	5879
BYX98-600	5882
BYX98-600R	5883
BYX99-300	5900
BYX99-300R	5901
BYX99-600	5904
BYX99-600R	5905
BYX38900	5882
BYX39600	5882
BYX40600	5882
BYX42600	5882
BYX48600	5882
BYY-31	116
BYY31	116
BYY-32	116
BYY32	116
BYY33	116
BYY34	116
BYY-35	116
BYY35	116
BYY36	116
BYY37	125
BYY60	156
BYY61	156
BYY88	5874
BYY89	116
BYY91	125
BYZ13	5944
BZ-050	135A
BZ-052	136A
BZ052	136A
BZ-054	136A
BZ-056	136A
BZ-058	5070A
BZ-061	137A
BZ061	137A
BZ-063	137A
BZ-065	5071A
BZ-067	5071A
BZ-069	5071A
BZ-071	138A
BZ071	138A
BZ-073	138A
BZ075	138A
BZ-075	138A
BZ-077	5072A
BZ-079	5072A
BZ-080	5072A
BZ080	5072A
BZ081	5072A
BZ-081	5072A
BZ-083	5072A
BZ085	5072A
BZ-085	5073A
BZ-088	5073A
BZ090	139A
BZ-090	139A
BZ-090(zener)	139A
BZ090.1Z9	139A
BZ-092	139A
BZ-094	139A
BZ094	139A
BZ-096	140A
BZ-098	140A
BZ-0800	5072A
BZ-0900	139A
BZ-0901	139A
BZ1-9	139A
BZ3.6	134A
BZ3.9	5067A
BZ4.3	5068A
BZ4.7	5069A
BZ5.1	135A
BZ5.6	136A
BZ5.6E	136A
BZ6.2	137A
BZ6.8	5071A
BZ7.5	138A
BZ8.2	5016A
BZ9.1	139A
BZ-12	142A
BZ16C16	5131A
BZ61C4V3	5114A
BZ63C6V8	5071A
BZ67	123A
BZ71	123A
BZ79C10	140A
BZ/88/C4V7	135A
BZ90	139A
BZ100	140A
BZ102-2V8	5003A
BZ102-3V4	5005A
BZ-105	5074A
BZ-110	5074A
BZ110	5074A
BZ-115	141A
BZ-120	142A
BZ120	142A
BZ-125	143A
BZ-130	143A
BZ130	143A
BZ-135	144A
BZ140	144A
BZ-140	144A
BZ-140LF	144A
BZ-145	145A
BZ150	145A
BZ-150	145A
BZ-157	5075A
BZ-162	5015A
BZ162	5075A
BZ-167	5076A
BZ-172	5076A
BZ177	5077A
BZ-177	5077A
BZ179	170
BZ-182	5077A
BZ182	5077A
BZ-187	5078A
BZ-192	5078A
BZ192	5078A
BZ-197	5079A
BZ-210	5079A
BZ210	5079A
BZ-220	5080A
BZ230	5080A
BZ-230	5081A
BZ-240	5081A
BZ240	5081A
BZ-250	5082A
BZ-260	146A
BZ260	146A
BZ270	146A
BZ-270	146A
BZ-280	5083A
BZ-290	5084A
BZ290	5084A
BZ-300	5084A
BZ310	5084A
BZ-310	147A
BZ320	147A
BZ-320	147A
BZ-320LF	147A
BZ-330	147A
BZ-340	5085A
BZ-350	5085A
BZ488C33	147A
BZ804D	552
BZA1021V4	177
BZO61	137A
BZO90	139A
BZ-O90	139A
BZS2.7	5002A
BZV16C6V8	5120A
BZV16C7V5	5121A
BZV16C8V2	5122A
BZV16C9V1	5124A
BZV16C10	5125A
BZV16C11	5126A
BZV16C12	5127A
BZV16C13	5128A
BZV16C15	5130A
BZV16C18	5133A
BZV16C20	5135A
BZV16C22	5136A
BZV16C24	5137A
BZV16C27	5139A
BZV16C30	5141A
BZV16C33	5142A
BZV16C36	5143A
BZV16C39	5144A
BZV16C43	5145A
BZV16C47	5146A
BZV16C51	5147A
BZV16C56	5148A
BZV16C62	5150A
BZV16C68	5151A
BZV16C75	5152A
BZV16C82	5153A
BZV16C91	5155A
BZV16C100	5156A
BZV17C5V6	136A
BZV17C6V2	137A
BZV17C6V8	5071A
BZV17C7V5	138A
BZV17C8V2	5072A
BZV17C10	140A
BZV17C11	5074A
BZV17C12	142A
BZV17C13	143A
BZV17C15	145A
BZV17C16	5075A
BZV17C18	5077A
BZV17C20	5079A
BZV17C22	5080A
BZV17C24	5081A
BZV17C27	146A
BZV17C30	5084A
BZV17C33	147A
BZV17C36	5085A
BZV17C39	5086A
BZV17C43	5087A
BZV17C47	5088A
BZV48C39	5144A
BZW04-5V5	4902
BZW04-10	4918
BZW04-14	4926
BZW04-16	4928
BZW04-22	4934
BZW04-41	4950
BZW04-55	4958
BZW04-162	4988
BZW06-5V5	4902
BZW06-5V8	4902
BZW06-10	4918
BZW06-14	4926
BZW06-22	4934
BZW06-41	4950
BZW06-55	4958
BZW06-162	4988
BZW70-16	4928
BZX10	137A
BZX13V	143A
BZX14	139A
BZX15V	145A
BZX17	142A
BZX-X19	145A
BZX19	145A
BZX25	146A
BZX25A	146A
BZX27	147A
BZX29C4V7	5069A
BZX29C5V1	135A
BZX29C5V6	136A
BZX29C6V2	137A
BZX29C6V8	5071A
BZX29C7V5	138A
BZX29C8V2	5072A
BZX29C9V1	139A
BZX29C10	140A
BZX29C11	5074A
BZX29C12	142A
BZX29C13	143A
BZX29C15	145A
BZX29C16	5075A
BZX29C18	5077A
BZX29C20	5079A
BZX29C22	5080A
BZX29C24	5081A
BZX29C27	146A
BZX29C30	5084A
BZX29C33	147A
BZX29C36	5085A
BZX29C39	5086A
BZX29C43	5087A
BZX29C47	5088A
BZX29C51	5089A
BZX29C56	5090A
BZX29C62	149A
BZX29C82	150A
BZX46C2V7	5002A
BZX46C3V0	5004A
BZX46C3V3	5005A
BZX46C3V6	5006A
BZX46C3V9	5007A
BZX46C4V3	5008A
BZX46C4V7	5009A
BZX46C5V1	5010A
BZX46C5V6	5011A
BZX46C6V2	5013A
BZX46C6V8	5014A
BZX46C7V5	5015A
BZX46C8V2	5016A
BZX46C9V1	5018A
BZX46C10	5019A
BZX46C11	5020A
BZX46C12	5021A
BZX46C13	5022A
BZX46C15	5024A
BZX46C16	5025A
BZX46C18	5027A
BZX46C20	5029A
BZX46C22	5030A
BZX46C24	5031A
BZX46C27	5033A
BZX46C30	5035A
BZX46C33	5036A
BZX46C36	5037A
BZX46C39	5038A
BZX46C43	5039A
BZX46C47	5040A
BZX46C51	5041A
BZX46C56	5042A
BZX46C62	5044A
BZX55C2V4	5000A
BZX55C2V7	5002A
BZX55C3V	5004A
BZX55C3V0	5004A
BZX55C3V3	5005A
BZX55C3V6	5006A
BZX55C3V9	5007A
BZX55C4V3	5008A
BZX55C4V7	5009A
BZX55C5V1	5010A
BZX55-C5V1	5010A
BZX55C5V6	5011A
BZX55C6V2	5013A
BZX55C6V8	5014A
BZX55C7V5	5015A
BZX55C8V2	5016A
BZX55C9V1	5018A
BZX55C10	5019A
BZX55C11	5020A
BZX55C12	5012A
BZX55C13	5022A
BZX55C15	5024A
BZX55C16	5025A
BZX55C18	5027A
BZX55C20	5029A
BZX55C22	5030A
BZX55C24	5031A
BZX55C27	5033A
BZX55C30	5035A
BZX55C33	5036A
BZX55C36	5037A
BZX55C39	5038A
BZX55C43	5039A
BZX55C47	5040A
BZX55C56	5042A
BZX55C62	5044A
BZX55C68	5045A
BZX55C75	5046A
BZX55C82	5047A
BZX55C91	5049A
BZX55C100	5050A
BZX55C110	5051A
BZX55C120	5052A
BZX55C130	5053A
BZX55C150	5055A
BZX55C160	5056A
BZX55C180	5058A
BZX55C200	5060A
BZX55D5V6	5011A
BZX55D6V8	5014A
BZX55D8V2	5016A
BZX55D10	5019A
BZX58C6V8	5071A
BZX58C7V5	138A
BZX58C8V2	5072A
BZX58C10	140A
BZX59C11	5074A
BZX59C12	142A
BZX59C13	143A
BZX59C15	145A
BZX59C16	5075A
BZX59C18	5077A
BZX59C20	5079A
BZX59C22	5080A
BZX59C24	5081A
BZX59C27	146A
BZX60C30	5084A
BZX60C33	147A
BZX60C36	5085A
BZX60C39	5086A
BZX60C43	5087A
BZX60C47	5088A
BZX60C51	5089A
BZX60C56	5090A
BZX61C3V6	5112A
BZX61C3V9	5113A
BZX61C4V7	5115A
BZX61C5V1	5116A
BZX61C5V6	5117A
BZX61C6V2	5119A
BZX61C6V8	5120A
BZX61C7V5	5121A
BZX61C8V2	5122A
BZX61C9V1	5124A
BZX61C10	5125A
BZX61C11	5126A
BZX61C12	5127A
BZX61C13	5128A
BZX61C15	5130A
BZX61C16	5131A
BZX61C18	5133A
BZX61C20	5135A
BZX61C22	5136A
BZX61C24	5137A
BZX61C27	5139A
BZX61C30	5141A
BZX61C33	5142A
BZX61C36	5143A
BZX61C39	5144A
BZX61C43	5145A
BZX61C47	5146A
BZX61C51	5147A
BZX61C56	5148A
BZX61C62	5150A
BZX61C68	5151A
BZX61C75	5152A
BZX61C100	5220A
BZX63C7V5	138A
BZX63C8V2	5072A
BZX63C9V1	139A
BZX63C10	140A
BZX64C11	5074A
BZX64C12	142A
BZX64C13	143A
BZX64C15	145A
BZX64C16	5075A
BZX64C18	5077A
BZX64C20	5079A
BZX64C22	5080A
BZX64C24	5081A
BZX64C27	146A
BZX65C30	5084A
BZX65C33	147A
BZX65C36	5085A
BZX65C39	5086A
BZX65C43	5087A
BZX65C47	5088A
BZX65C51	5089A
BZX65C56	5090A
BZX66	5071A
BZX69C7V5	138A
BZX69C8V2	5072A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
BZX69C10	140A
BZX69C11	5074A
BZX69C12	142A
BZX70C7V5	5121A
BZX70C8V2	5122A
BZX70C9V1	5124A
BZX70C10	5125A
BZX70C11	5126A
BZX70C12	5127A
BZX70C13	5128A
BZX70C15	5130A
BZX70C16	5131A
BZX70C18	5133A
BZX70C20	5135A
BZX70C22	5136A
BZX70C24	5137A
BZX70C27	5139A
BZX70C30	5141A
BZX70C33	5142A
BZX70C36	5143A
BZX70C39	5144A
BZX70C43	5145A
BZX70C47	5146A
BZX70C51	5147A
BZX70C56	5148A
BZX70C62	5150A
BZX70C68	5151A
BZX70C75	5152A
BZX71C5V1	5010A
BZX71C5V6	5011A
BZX71C6V2	5013A
BZX71C6V8	5014A
BZX71C7V5	5015A
BZX71C8V2	5016A
BZX71C9V1	139A
BZX71C9V2	5018A
BZX71C10	5019A
BZX71C11	5020A
BZX71C12	5021A
BZX71C13	5022A
BZX71C15	5024A
BZX-71C15	145A
BZX71C16	5025A
BZX71C18	5027A
BZX71C20	5029A
BZX71C22	5030A
BZX71C24	5031A
BZX72	5018A
BZX72A	5018A
BZX72B	5018A
BZX72C	5018A
BZX76	143A
BZX79B5V1	5010T1
BZX79B5V6	5011T1
BZX79B6V2	5013T1
BZX79B10	5019T1
BZX79B12	5021T1
BZX79C2V4	5000A
BZX79C2V7	5002A
BZX79C3V	5004A
BZX79C3V0	5004A
BZX79C3V3	5005A
BZX79C3V6	5006A
BZX79C3V9	5007A
BZX79C4V3	5008A
BZX79-C4V3	5008A
BZX79C4V7	5009A
BZX79C5V1	5010A
BZX79/C5V6	5011A
BZX79C5V6	5011A
BZX79-C6	5012A
BZX79C6V2	5013A
BZX79C6V8	5014A
BZX79/C6.8	5071A
BZX79C7V5	5015A
BZX79C8V2	5016A
BZX79C9V1	5018A
BZX79/C9V1	5018A
BZX79-C10	5019A
BZX79C10	5019A
BZX79C10V	5019A
BZX79C11	5020A
BZX79C11V	5020A
BZX79C12	5021A
BZX79/C12	5021A
BZX79C12V	5012A
BZX79C13	5022A
BZX79-C13	5022A
BZX79C13V	5022A
BZX79C15	5024A
BZX79C15V	5024A
BZX79C16	5025A
BZX79C16V	5025A
BZX79/C18	5077A
BZX79C18	5027A
BZX79C18V	5027A
BZX79C20	5029A
BZX79C20V	5029A
BZX79C22	5030A
BZX79C22V	5030A
BZX79/C24	5081A
BZX79C24	5031A
BZX79C24V	5031A
BZX79C27	5033A
BZX79C27A	5033A
BZX79C27V	5033A
BZX79C30	5035A
BZX79C30V	5035A
BZX79C33	5036A
BZX79C33V	5036A
BZX79C36	5037A
BZX79C39	5038A
BZX79C43	5039A
BZX79C47	5040A
BZX79C51	5041A
BZX79C56	5042A
BZX79C62	5044A
BZX79C68	5045A
BZX79C75	5046A
BZX79D5V1	5010A
BZX80C6V8	5071A
BZX80C7V5	138A
BZX80C8V2	5072A
BZX80C9V1	139A
BZX80C10	140A
BZX81C11	5074A
BZX81C13	143A
BZX81C15	145A
BZX81C16	5075A
BZX81C18	5077A
BZX81C20	5079A
BZX81C22	5080A
BZX81C24	5081A
BZX81C27	146A
BZX82C9	5086A
BZX82C30	5084A
BZX82C33	147A
BZX82C36	5085A
BZX82C43	5087A
BZX82C47	5088A
BZX82C51	5089A
BZX82C56	5090A
BZX83C2V4	5000A
BZX83C2V7	5002A
BZX83C3V0	5004A
BZX83C3V3	5005A
BZX83C3V6	5006A
BZX83C3V9	5007A
BZX83C4V3	5008A
BZX83C4V7	5009A
BZX83C5V1	5010A
BZX83C5V6	5011A
BZX83C6V2	5013A
BZX83C6V8	5014A
BZX83C7V5	5015A
BZX83C8V2	5016A
BZX83C9V1	5018A
BZX83C10	5019A
BZX83C11	5020A
BZX83C12	5021A
BZX83C13	5022A
BZX83C15	5024A
BZX83C16	5025A
BZX83C18	5027A
BZX83C20	5029A
BZX83C22	5030A
BZX83C24	5031A
BZX83C27	5033A
BZX83C30	5035A
BZX83C33	5036A
BZX83C36	5037A
BZX83C39	5038A
BZX83C43	5039A
BZX83C47	5040A
BZX83C51	5041A
BZX83C56	5042A
BZX83C62	5044A
BZX83C68	5045A
BZX83C75	5046A
BZX84C5V6	136A
BZX84C6V2	137A
BZX84C6V8	5071A
BZX85-5V1	5010A
BZX85C2V7	5063A
BZX85C3V0	5065A
BZX85C3V3	5066A
BZX85C3V6	134A
BZX85C3V9	5067A
BZX85C4V3	5068A
BZX85C4V7	5069A
BZX85C5V6	136A
BZX85C6V2	137A
BZX85C6V8	5071A
BZX85C7V5	138A
BZX85C8V2	5072A
BZX85C9V1	139A
BZX85C10	140A
BZX85C11	5074A
BZX85C12	142A
BZX85C13	143A
BZX85C15	145A
BZX85C16	5075A
BZX85C18	5077A
BZX85C20	5079A
BZX85C22	5080A
BZX85C24	5081A
BZX85C27	146A
BZX85C30	5084A
BZX85C33	147A
BZX85C36	5085A
BZX85C39	5086A
BZX85C43	5087A
BZX85C47	5146A
BZX85C51	5147A
BZX85C56	5148A
BZX85C62	5150A
BZX85C68	5151A
BZX85C75	5152A
BZX85C91	5155A
BZX85C100	5156A
BZX85C110	5157A
BZX85C120	5158A
BZX85C130	5159A
BZX85C150	5161A
BZX85C160	5162A
BZX85C180	5164A
BZX85C200	5166A
BZX85CV1	5116A
BZX87/C10	5125A
BZX87C10	5125A
BZX87C12	5127A
BZX87C20	5135A◆
BZX87C43	5145A
BZX88C2V7	5002A
BZX88C4V7	5069A
BZX88C5V6	136A
BZX88C6V2	137A
BZX88C6V8	5071A
BZX89C7V5	138A
BZX89C8V2	5072A
BZX89C9V1	139A
BZX89C10	140A
BZX89C11	5074A
BZX89C12	142A
BZX94C62	149A
BZX95C4V7	5009A
BZX95C5V1	5010A
BZX95C5V6	5011A
BZX95C6V2	5013A
BZX95C6V8	5014A
BZX95C7V5	5015A
BZX95C8V2	5016A
BZX95C9V1	5018A
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BZX95C18	5027A
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BZX95C22	5030A
BZX95C24	5031A
BZX96C3V6	5112A
BZX96C3V9	5113A
BZX96C4V3	5114A
BZX96C4V7	5115A
BZX96C5V1	5116A
BZX96C5V6	5117A
BZX96C6V2	5119A
BZX96C6V8	5120A
BZX96C7V5	5121A
BZX96C8V2	5122A
BZX96C9V1	5124A
BZX96C10	5125A
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BZX96C12	5127A
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BZX96C22	5136A
BZX96C24	5137A
BZX96C27	5139A
BZX96C30	5141A
BZX96C33	5142A
BZX97C2V4	5000A
BZX97C2V7	5002A
BZX97C3V3	5005A
BZX97C3V6	5006A
BZX97C3V9	5007A
BZX97C4V3	5008A
BZX97C4V7	5009A
BZX97C5V1	5010A
BZX97C5V6	5011A
BZX97C6V2	5013A
BZX97C6V8	5014A
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BZX97C18	5027A
BZX97C20	5029A
BZX97C22	5030A
BZX97C24	5031A
BZX97C27	5033A
BZX97C30	5035A
BZX97C33	5036A
BZX97C36	5037A
BZX97C39	5038A
BZX97C43	5039A
BZY18	142A
BZY19	145A
BZY-19	145A
BZY29C33	147A
BZY56	5069A
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BZY58	136A
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BZY62	5016A
BZY63	5018A
BZY64	5008A
BZY65	5010A
BZY66	5013A
BZY67	5015A
BZY68	5018A
BZY69	5021A
BZY74	5180AK
BZY75	5182AK
BZY76	5185AK
BZY78	5011A
BZY78P	5011A
BZY83C4V7	5009A
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BZY83C5V6	5011A
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BZY83C6V8	5014A
BZY83C7V5	5015A
BZY83C8V2	5016A
BZY83C9V1	5018A
BZY83C10	5019A
BZY83/C10	5019A
BZY83C11	5020A
BZY83C12	5021A
BZY83C13V5	5022A
BZY83C15	5024A
BZY83/C15	5024A
BZY83C16	5025A
BZY83C16V5	5026A
BZY83C18	5027A
BZY83C20	5029A
BZY83C22	5030A
BZY83C24V5	5032A
BZY83D4V7	5009A
BZY83D5V6	5011A
BZY83/D5V6	136A
BZY83D6V8	5014A
BZY83D8V2	5016A
BZY83/D10	140A
BZY83D10	5019A
BZY83D12	5021A
BZY83/D15	145A
BZY-83D15	145A
BZY83D15	5024A
BZY83D18	5027A
BZY83D22	5030A
BZY84D5V6	5178A
BZY84D8V2	5183A
BZY84D10	5185A
BZY84D12	5188A
BZY85B2V7	5002A
BZY85B3V3	5066A
BZY85B6V8	5071A
BZY85B7V5	138A
BZY85B8V2	5072A
BZY85B9V1	139A
BZY85C2V7	5063A
BZY85C3	5065A
BZY85C3V3	5066A
BZY85C3V6	134A
BZY85/C3V6	134A
BZY85C3V9	5067A
BZY85C4V3	5068A
BZY85C4V7	5069A
BZY85C5V1	5010A
BZY85C5V6	136A
BZY85C6V2	137A
BZY85C6V8	5014A
BZY85C7V5	5015A
BZY85C8V2	5016A
BZY85C9V1	5018A
BZY85C10	5019A
BZY85C11	5020A
BZY85C12	5021A
BZY85C13	5022A
BZY85C13V5	5022A
BZY85C15	5024A
BZY85C16	5025A
BZY85C16V5	5025A
BZY85C18	5027A
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BZY85C24	5031A
BZY85C24V5	5031A
BZY85C27	5033A
BZY85C30	5035A
BZY85C33	5036A
BZY85D4V7	5009A
BZY85D5V6	5011A
BZY85D6V8	5014A
BZY85D8V2	5016A
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BZY85D18	5027A
BZY85D22	5030A
BZY88C2V7	5063A
BZY88C3V0	5004A
BZY88C3V3	5005A
BZY88C3V6	5006A
BZY88C3V9	5007A
BZY88C4V3	5008A
BZY88C4V7	5009A
BZY88C5V1	5010A
BZY88C5V6	5011A
BZY88C6V2	5012A
BZY88C6V8	5014A
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BZY88C27	5033A
BZY88C30	5035A
BZY88C33	5036A
BZY88C36	5037A
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BZY92C4V7	5069A
BZY92C5V1	135A
BZY92C5V6	136A
BZY92C6V2	137A
BZY92C6V8	5071A
BZY92C7V5	138A
BZY92C8V2	5072A
BZY92C9V1	139A
BZY92C10	140A
BZY92C11	5074A
BZY92C12	142A
BZY92C13	143A
BZY92C15	145A
BZY92C16	5075A
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BZY92C20	5079A
BZY92C22	5080A
BZY92C24	5081A
BZY92C27	146A
BZY92C30	5084A
BZY92C33	147A
BZY92C36	5085A
BZY93C6V8	5247AK◆
BZY93C6V8R	5247A◆
BZY93C7V5	5248AK◆
BZY93C7V5R	5248A◆
BZY93C8V2	5249AK◆
BZY93C8V2R	5249A◆
BZY93C9V1	5251AK◆
BZY93C9V1R	5251A◆
BZY93C10	5252AK◆
BZY93C10R	5252A◆
BZY93C11	5253AK◆
BZY93C11R	5253A◆
BZY93C12	5254AK◆
BZY93C12R	5254A◆
BZY93C13	5255AK◆
BZY93C13R	5255A◆
BZY93C15	5257AK◆
BZY93C15R	5257A◆
BZY93C16	5258AK◆
BZY93C16R	5258A◆
BZY93C18	5260AK◆
BZY93C18R	5260A◆
BZY93C20	5262AK◆
BZY93C20R	5262A◆
BZY93C22	5263AK◆
BZY93C22R	5263A◆
BZY93C24	5264AK◆
BZY93C27	5266AK◆
BZY93C27R	5266A◆
BZY93C30	5268AK◆
BZY93C30R	5268A◆
BZY93C33	5269AK◆
BZY93C33R	5269A◆
BZY93C36	5270AK◆
BZY93C36R	5270A◆
BZY93C39	5271AK◆
BZY93C39R	5271A◆
BZY93C43	5272AK◆
BZY93C43R	5272A◆
BZY93C47	5274AK◆
BZY93C47R	5274A◆
BZY93C51	5276AK◆
BZY93C51R	5276A◆
BZY93C56	5278AK◆
BZY93C56R	5278A◆
BZY93C62	5280AK◆
BZY93C62R	5280A◆
BZY93C68	5281AK◆
BZY93C68R	5281A◆
BZY93C75	5282AK◆
BZY93C75R	5282A◆
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BZY94C22	5030A
BZY94C24	5031A
BZY94C27	5033A
BZY94C30	5035A
BZY94C33	5036A
BZY94C36	5037A
BZY94C39	5038A
BZY94C43	5039A
BZY94C47	5040A
BZY94C51	5041A
BZY94C56	5042A
BZY94C62	5044A
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BZY95C36	5143A
BZY95C39	5144A
BZY95C43	5145A
BZY95C47	5146A
BZY95C51	5147A
BZY95C56	5148A
BZY95C62	5150A
BZY95C68	5151A
BZY95C75	5152A
BZY96C4V7	5115A
BZY96C5V1	5116A
BZY96C5V6	5117A
BZY96C6V2	5119A
BZY96C6V8	5120A
BZY96C7V5	5121A
BZY96C8V2	5122A
BZY96C9V1	5124A
BZY96C10	5125A
BZY97C3V0	5004A
BZY208-800	555
BZY9334R	5264A
BZY9513	5128A
BZZ10	5012A
BZZ11	5014A
BZZ12	5015A
BZZ13	5016A
BZZ14	5178A
BZZ15	5180AK
BZZ16	5181AK
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BZZ18	5183AK
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BZZ20	5186AK
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BZZ24	5191AK
BZZ25	5192AK
BZZ26	5194AK
BZZ27	5196AK
BZZ28	5197AK
BZZ29	5198AK
C00686-0258-0	159
C0068602720	159
C00 686 0241	159
C00 68602300	123A
C02	5072A
C04-02	116
C04-04	116
C04-06	116
C04-10	125
C05-03C	113A
C05-10	125
C06C	506
C08P1	113A
C08P1R	115
C0406(Diode)	125
C0410	125
C0410V	125
C0508	125
C0510	125
C0900P(HEP)	9662
C0901P(HEP)	9663
C0902P(HEP)	9668
C0903P(HEP)	9669
C0904P(HEP)	9670
C0905P(HEP)	9661
C0906P(HEP)	9664
C0907P(HEP)	9682
C0908P(HEP)	9681
C0909P(HEP)	9672
C0910P(HEP)	9665
C0911P(HEP)	9667
C0912P(HEP)	9663
C010174-02	855
C010745-03	6507
C010745-12	6507
C010750	6532
C010750-03	6532
C010750-05	6532
C010750-12	6532
C010816	4050B
C010816-01	4050B
C010816-03	4050B
C010819-01	960
C014313	74LS244
C014331-09	2117
C014336	4051B
C014341	74LS10
C014344	74LS138
C014345	74LS158
C014348	960
C014377	6502
C014809	288
C017097	74LS08
C018991	159
C060474	74LS51
C060607	519
C060612	2164
C061428	74LS138
C061702	928M
C061850	74LS14
C1-3D-240X40	B40240
C1-3D-PC-120X2	B40240
C1-3D-PC-120X40	B40240
C1-3D-PC-120X25	B40240
C1-3D-PC-120X10	B40240
C1-3D-PC-240X25	B40240
C1-3D-PC-240X10	B40240
C1-3D-PC-330X25	B40240
C1-3D-PC-330X10	B40240
C1-3D-PC-480X25	B40480
C1-3D-PC-480X10	B40480
C1-12	362
C1-12Z	362
C1-28	311
C1-30-PC-480X25	B40480
C1-120A-480X10	A25480
C1-120A-PC-120X2	B40240
C1-120A-PC-120X10	A40240
C1-120A-PC-120X25	A40240
C1-120A-PC-120X40	A40240
C1-120A-PC-240X2	A40240
C1-120A-PC-240X10	A40240
C1-120A-PC-240X25	A40240
C1-120A-PC-240X40	A40240
C1-120A-PC-330X2	A25480
C1-120A-PC-330X10	A25480
C1-120A-PC-330X25	A25480
C1-120A-PC-480X2	A25480
C1-120A-PC-480X25	A25480
C1-240A-PC-120X2	A40240
C1-240A-PC-120X10	A40240
C1-240A-PC-120X25	A40240
C1-240A-PC-120X40	A40240
C1-240A-PC-240X2	A40240
C1-240A-PC-240X10	A40240
C1-240A-PC-240X25	B40480
C1-240A-PC-240X40	A40240
C1-240A-PC-330X2	A25480
C1-240A-PC-330X10	A25480
C1-240A-PC-330X25	A25480
C1-240A-PC-480X2	A25480
C1-240A-PC-480X10	A25480
C1-240A-PC-480X25	A25480
C1-1002	724
C1-1004	718
C1A	178MP
C1B	116
C1H	116
C1.0E02	125
C2AJ102	116
C-2C	506
C2SC2498	10
C2.0E2	525
C3-4	5547
C3-12	363
C5-12	363
C5V6	5011A
C6B3	5400
C-6BX212	6401
C7A4	5454
C9FF-10A580	128
C10	113A
C10-02A	113A
C10-1B	113A
C10-12A	364
C10-13B	113A
C10-15B	113A
C10-15C	113A
C10-16A	113A
C10-18B	113A
C10-20A	178MP
C-10-20A	178MP
C10-22C	178MP
C10-31A	113A
C10-38C	113A
C10-47B	113A
C10A(SCR)	5482
C10B(SCR)	5483
C10C(SCR)	5485
C10D(SCR)	5485
C10F(SCR)	5481
C10H(SCR)	5485
C10U(SCR)	5481
C11	103A
C11A(SCR)	5482
C11A-U	5483
C11B(SCR)	5483
C11C(SCR)	5485
C11D(SCR)	5485
C11E(SCR)	5487
C11F(SCR)	5481
C11G(SCR)	5483
C11H(SCR)	5485
C11M(SCR)	5487
C11S1C1E1C	116
C11U(SCR)	5481
C12(Transistor)	128
C12-12	364
C13(Transistor)	101
C13DPC120X2	B40240
C13DPC120X10	B40240
C13DPC120X25	B40240
C13DPC120X40	B40240
C13DPC240X2	B40240
C13DPC240X10	B40240
C13DPC240X25	B40240
C13DPC240X40	B40240
C13DPC330X2	B40480
C13DPC330X10	B40480
C13DPC330X25	B40480
C13DPC330X40	B40480
C13DPC480X2	B40480
C13DPC480X10	B40480
C13DPC480X25	B40480
C13DPC480X40	B40480
C14	101
C15(Transistor)	123A
C15-1	123A
C15-2	123A
C15-3	123A
C15A(SCR)	5482
C15A-U	5483
C15B(SCR)	5483
C15C(SCR)	5485
C15D(SCR)	5485
C15E(SCR)	5487
C15F(SCR)	5481
C15G(SCR)	5483
C15H(SCR)	5485

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
C15M(SCR)	5487
C15U(SCR)	5481
C16	123A
C-16(IC)	1045
C16(IC)	1045
C16A	123A
C16A(IC)	1045
C16C(IC)	1045
C17	123A
C17(IC)	1047
C17A	123A
C17C(IC)	1047
C17C/D368(IC)	1047
C18	123A
C19	128
C20	128
C20A(SCR)	5491
C20A-U	5483
C20B(SCR)	5492
C20C(IC)	1075A
C20C1(IC)	1075A
C20C2(IC)	1075A
C20D(SCR)	5496
C20F(SCR)	5491
C20U(SCR)	5491
C21	130
C22B(SCR)	5514
C22C(IC)	10788
C23	400/128
C23C	1046
C23C(IC)	1046
C24	400/128
C25-06	552
C25-06M	580
C26	123A
C27	123A
C27-13	506
C27C(IC)	1124
C27C1(IC)	1124
C28	123
C29	123
C29C(IC)	1089*
C-29C2	1089
C29C2(IC)	1089*
C29C-2(IC)	1089*
C29C3(IC)	1089*
C29CZ	1089
C30	128
C30-1(SCR)	5547
C30-2(SCR)	5547
C30-5	5547
C30A(SCR)	5522
C30B(SCR)	5524
C30C(SCR)	5527
C30C(IC)	1049
C30D(SCR)	5527
C30F(SCR)	5521
C30U(SCR)	5521
C31	123A
C31(IC)	1048
C31A(IC)	1048
C31C	1048
C31C(IC)	1048
C31C1(IC)	1048
C32	123A
C32A	128
C32C(IC)	1050
C33	161
C34(Transistor)	103A
C35(Transistor)	103A
C35-02	588
C35A(SCR)	5542
C35B(SCR)	5543
C35C(SCR)	5545
C35D(SCR)	5545
C35E(SCR)	5547
C35F(SCR)	5541
C35G(SCR)	5543
C35H(SCR)	5545
C35M(SCR)	5547
C35U(SCR)	5541
C36	103
C36(Transistor)	101
C36A(SCR)	5502
C36B(SCR)	5504
C36C(SCR)	5507
C36D(SCR)	5507
C36E(SCR)	5509
C36F(SCR)	5501
C36G(SCR)	5504
C36H(SCR)	5507
C36U(SCR)	5501
C37	123A
C37(Transistor)	123A
C37A(SCR)	5522
C37B(SCR)	5524
C37C(SCR)	5527
C37D(SCR)	5527
C37E(SCR)	5529
C37F(SCR)	5521
C37M(SCR)	5529
C37N(SCR)	5531
C37O(SCR)	123A
C37S(SCR)	5531
C37U(SCR)	5521
C38(Transistor)	123A
C38A(SCR)	5541
C38B(SCR)	5543
C38C(SCR)	5545
C38D(SCR)	5545
C38E(SCR)	5547
C38F(SCR)	5541
C38G(SCR)	5543
C38H(SCR)	5545
C38M(SCR)	5547
C38U(SCR)	5541
C39(Transistor)	108
C39-207	123A
C39A	108
C40	108
C40G	5360
C41	163A
C41C(IC)	1093
C41TV	163A
C42	163A
C42A	163A
C43	163A
C44	163A
C44-04	552
C45	123A
C45A(SCR)	5570◆
C45B(SCR)	5570◆
C45C(SCR)	5572◆
C45D(SCR)	5572◆
C45E(SCR)	5572◆
C45F(SCR)	5570◆
C45G(SCR)	5570◆
C45H(SCR)	5572◆
C45M(SCR)	5572◆
C45M30X2	5368
C45N(SCR)	5574◆
C45P(SCR)	5574◆
C45PA(SCR)	5574◆
C45PB(SCR)	5574◆
C45S(SCR)	5574◆
C45T(SCR)	5574◆
C45U(SCR)	5570◆
C46	128
C46A(SCR)	5575◆
C46B(SCR)	5575◆
C46C(IC)	1077
C46C(SCR)	5577◆
C46D(SCR)	5577◆
C46E(SCR)	5577◆
C46F(SCR)	5575◆
C46G(SCR)	5575◆
C46H(SCR)	5577◆
C46M(SCR)	5577◆
C46N(SCR)	5579◆
C46P(SCR)	5579◆
C46PA(SCR)	5579◆
C46PB(SCR)	5579◆
C46S(SCR)	5579◆
C46T(SCR)	5579◆
C46U(SCR)	5575◆
C47	128
C47-02	580
C47-04	580
C47C(IC)	1076
C48	128
C48C	128
C48C(IC)	1091*
C48C1(IC)	1091*
C48C-1(IC)	1091*
C48M30	5371
C48M30X2	5368
C48M40	5371
C48M40X2	5368
C48M30	5372
C48N30X2	5369
C48N40	5372
C48N40X2	5369
C48P30	5372
C48P30X2	5369
C48P40	5372
C48P40X2	5369
C48PA30	5372
C48PA30X2	5369
C48PA40	5372
C48PA40X2	5369
C48PB30	5372
C48PB30X2	5369
C48PB40	5372
C48PB40X2	5369
C48S30	5372
C48S30X2	5369
C48S40	5372
C48S40X2	5369
C48T30	5372
C48T30X2	5369
C48T40	5372
C48T40X2	5369
C49	154
C49A10	5371
C49A10X2	5368
C49A20	5371
C49A20X2	5368
C49B10	5371
C49B10X2	5368
C49B20	5371
C49B20X2	5368
C49C(IC)	1086*
C49C10	5371
C49C10X2	5368
C49C20	5371
C49C20X2	5368
C49D10	5371
C49D10X2	5368
C49D20	5371
C49D20X2	5368
C49E10	5371
C49E10X2	5368
C49E20	5371
C49E20X2	5368
C49M10	5371
C49M10X2	5368
C49M20	5371
C49M20X2	5368
C49Y	128
C50(Transistor)	101
C50A	101
C50A(SCR)	5570◆
C50B(SCR)	5570◆
C50BA042	121
C50C(SCR)	5572◆
C50C(IC)	1084
C50D(SCR)	5572◆
C50E(SCR)	5572◆
C50F(SCR)	5570◆
C50G(SCR)	5570◆
C50H(SCR)	5572◆
C50M	5572
C50M(SCR)	5572◆
C50N(SCR)	5574◆
C50P(SCR)	5574◆
C50PA(SCR)	5574◆
C50PB(SCR)	5574◆
C50S(SCR)	5574◆
C50T(SCR)	5574◆
C50U(SCR)	5570◆
C51	128
C52(Transistor)	123A
C52A(SCR)	5575◆
C52B(SCR)	5575◆
C52C(SCR)	5577◆
C52D(SCR)	5577◆
C52E(SCR)	5577◆
C52F(SCR)	5575◆
C52G(SCR)	5575◆
C52H(SCR)	5577◆
C52M(SCR)	5577◆
C52N(SCR)	5579◆
C52P(SCR)	5579◆
C52PA(SCR)	5579◆
C52PB(SCR)	5579◆
C52S(SCR)	5579◆
C52T(SCR)	5579◆
C52U(SCR)	5575◆
C53	123A
C54	123A
C55	123A
C56	107
C58	154
C58A	154
C59	154
C60	103A
C60(transistor)	101
C60(diode)	109
C61	128
C62(Transistor)	123A
C63	123A
C63(Japan)	108
C64	128
C64(Japan)	154
C65	154
C65B	154
C65N	154
C65Y	154
C65YA	154
C65YB	154
C65YTV	154
C66	154
C66-P11111-0001	123A
C66-P11150-00001	123A
C69	154
C70	154
C71	101
C72	101
C73	100
C73(Japan)	101
C74	123
C75	100
C75(Japan)	101
C75C2(IC)	1140
C76	100
C76(Japan)	101
C77	101
C77C	101
C78	101
C79	108
C80	161
C81-004	586
C81C(IC)	1075A
C82-004	6085
C82S	108
C83-829	116
C83-880	116
C87	123A
C88	128
C88A	128
C89	101
C90	101
C91(GER)	101
C92	282§
C92-0025-R0	724
C92-0025-RO	784
C93	282§
C94	282§
C94E	457
C95	128
C98	123A
C99	123A
C99CD	128
C101(Japan)	124
C102(Japan)	105
C103	123A
C103(Japan)	123A
C103A(transistor)	123A
C103A(SCR)	5402
C103B(SCR)(AGK)	5404
C103Q(SCR)	5400
C103Y(SCR)(AGK)	5400
C103YY(AGK)	5401
C104	123A
C104A	123A
C105	123A
C106	282§
C106(PNP)	129
C106A(MOT)	5413
C106A(SCR)	5454
C106A1	5454
C106A2	5454
C106A3	5454
C106A4	5454
C106B(MOT)	5414
C106B(SCR)	5455
C106B1	5455
C106B2	5455
C106B3	5455
C106B4	5455
C106C(MOT)	5415
C106C(SCR)	5457
C106C1	5457
C106C2	5457
C106C3	5457
C106C4	5457
C106D(MOT)	5415
C106D(SCR)	5457
C106D1	5457
C106D2	5457
C106D3	5457
C106D4	5457
C106E(MOT)	5416
C106F(SCR)	5453
C106F(MOT)	5412
C106F1	5453
C106F2	5453
C106F3	5453
C106F4	5453
C106M(MOT)	5416
C106Q(MOT)	5411
C106Q(SCR)	5452
C106Q1	5452
C106Q2	5452
C106Q3	5452
C106Q4	5452
C106Y(MOT)	5412
C106Y(SCR)	5452
C106Y1	5452
C106Y2	5452
C106Y3	5452
C106Y4	5452
C107A(SCR)	5454
C107A1	5454
C107A2	5454
C107A3	5454
C107B(SCR)	5455
C107B1	5455
C107B2	5455
C107B3	5455
C107B4	5455
C107C(SCR)	5457
C107C1	5457
C107C2	5457
C107C3	5457
C107C4	5457
C107D(SCR)	5457
C107D1	5457
C107D2	5457
C107D3	5457
C107D4	5457
C107F(SCR)	5453
C107F1	5453
C107F2	5453
C107F3	5453
C107F4	5453
C107Q(SCR)	5452
C107Q1	5452
C107Q2	5452
C107Q3	5452
C107Q4	5452
C107Y(SCR)	5452
C107Y1	5452
C107Y2	5452
C107Y3	5452
C107Y4	5452
C108	128
C108A-O	128
C108A-R	128
C108A-Y	128
C108-O	128
C108-R	128
C108-Y	128
C109	128
C109A	128
C109A-O	128
C109A-R	128
C109A-Y	128
C109-O	128
C109-R	128
C109-Y	128
C110	5481
C111	123A
C111B	108
C111D	123A
C111E	123A
C112(Japan)	128
C112(PNP)	129
C112A	364
C113	128
C114	128
C114EA(Dig. Trans)	2355◆
C114EF(Dig. Trans)	2355◆
C114EK(Dig. Trans)	2414
C114ES(Dig. Trans)	2355
C115	128
C116	123
C116T	195A
C118(Japan)	128
C119(Japan)	128
C120	123A
C121	128
C122(SCR)	5466
C122(Transistor)	128
C122A(SCR)	5462
C122A1	5462
C122A2	5462
C122A3	5462
C122A4	5462
C122A5	5462
C122A6	5462
C122B(SCR)	5463
C122B1	5463
C122B2	5463
C122B3	5463
C122B4	5463
C122B5	5463
C122B6	5463
C122C(SCR)	5465
C122C1	5465
C122C2	5465
C122C3	5465
C122C4	5465
C122C5	5465
C122C6	5465
C122D(SCR)	5465
C122D1	5465
C122D2	5465
C122D3	5465
C122D4	5465
C122D5	5465
C122D6	5465
C122F(SCR)	5461
C122F1	5461
C122F2	5461
C122F3	5461
C122F4	5461
C122F5	5461
C122F6	5461
C122N1	5468
C122S1	5468
C122UX5(SCR)	5461
C123(Transistor)	128
C123A(SCR)	5417
C123B(SCR)	5417
C123C(SCR)	5418
C123D(SCR)	5418
C123E(SCR)	5419
C123F(SCR)	5417
C123M	5419
C124	128
C124EA(Dig. Trans)	2357◆
C124EF(Dig. Trans)	2357◆
C124EK(Dig. Trans)	2416
C124ES(Dig. Trans)	2357
C124N(Dig. Trans)	2357
C126A(SCR)	5552◆
C126B(SCR)	5552◆
C126C(SCR)	5554◆
C126D(SCR)	5554◆
C126E(SCR)	5556◆
C126F(SCR)	5550◆
C126M(SCR)	5556◆
C127	123A
C127A(SCR)	5552
C127B(SCR)	5552
C127C(SCR)	5554
C127D(SCR)	5554
C127E(SCR)	5556
C127F(SCR)	5550
C127M(SCR)	5556
C128	101
C129	101
C130	128
C130L	128
C131	123A
C132	123A
C133	123A
C134	123A
C134B	123A
C135	123A
C135A(SCR)	5542
C135B(SCR)	5543
C135C(SCR)	5545
C135D(SCR)	5545
C135E(SCR)	5547
C135F(SCR)	5541
C135M(SCR)	5547
C136	123A
C137(Transistor)	123A
C137E(SCR)	5547
C137M(SCR)	5547
C137N(SCR)	5548
C137S(SCR)	5548
C138(Transistor)	123A
C138E10E	5360
C138E20E	5360
C138M10M	5360
C138M20M	5360
C139(Transistor)	123A
C139E10E	5360
C139E20E	5360
C139M10M	5360
C139M20M	5360
C140(Transistor)	128
C140A	5360
C140B	5360
C140C	5360
C140D	5360
C140F	5360
C141A	5360
C141B	5360
C141C	5360
C141D	5360
C141F	5360
C143-05	960
C143C08	964
C144E15E	5360
C144E30E	5360
C144EA(Dig. Trans)	2359◆
C144EF(Dig. Trans)	2359◆
C144EK(Dig Trans)	2418
C144EN(Dig. Trans)	2359
C144ES(Dig. Trans)	2359
C144F(Dig. Trans)	2359◆
C144K(Dig Trans)	2418
C144M15E	5360
C144M30E	5360
C144N(Dig. Trans)	2359
C145AQ	289A
C147	128
C147A(SCR)	5567
C147B(SCR)	5567
C147C(SCR)	5568
C147D(SCR)	5568
C147E(SCR)	5568
C147M(SCR)	5568
C147N	5569
C147P	5569
C147PA	5569
C147PB	5569
C147S(SCR)	5569
C147T	5569
C148(Transistor)	108
C149	128
C150(SCR)	5481
C150E(SCR)	5572
C150M(SCR)	5572
C150P(SCR)	5574
C150PA	5574
C150PB	5574
C150S(SCR)	5574
C150T	128
C150T(SCR)	5574
C151	123
C151H	123
C151HA	123
C151HB	123
C151HC	123
C151L	198◆
C151LM	198◆
C152(Transistor)	123
C152A	123
C152B	123
C152C	123
C152E(SCR)	5575
C152H	123
C152HA	123
C152HB	123
C152HC	123
C152M(SCR)	5575
C152P(SCR)	5579
C152PA	5579
C152PB	5579
C152S	5579
C152T	5579
C154	152
C154A(SCR)	5371
C154B(SCR)	5371
C154C(SCR)	5371
C154D(SCR)	5371
C154E(SCR)	5371
C154H(SCR)	5485
C154HA	128
C154M(SCR)	5371
C155	107
C155A(SCR)	5371
C155B(SCR)	5371
C155C(SCR)	5371
C155D(SCR)	5371
C155E(SCR)	5371
C155M(SCR)	5371
C156	107
C156A(SCR)	5368
C156B(SCR)	5368
C156C(SCR)	5368
C156D(SCR)	5368
C156E(SCR)	5368
C156M(SCR)	5368
C157	123
C157(IC)	1171
C157A(SCR)	5368
C157A(IC)	1171
C157B(SCR)	5368
C157C(SCR)	5368
C157D(SCR)	5368
C157E(SCR)	5368
C157M(SCR)	5368
C158	123
C158E(SCR)	5371
C158M(SCR)	5371
C158N(SCR)	5372
C158P(SCR)	5372
C158PA(SCR)	5372
C158PB(SCR)	5372
C158S(SCR)	5372
C158T(SCR)	5372
C159	123A
C159E(SCR)	5368
C159M(SCR)	5368
C159N(SCR)	5369
C159P(SCR)	5369
C159PA(SCR)	5369
C159PB(SCR)	5369
C159S(SCR)	5369
C159T(SCR)	5369
C160	123A
C163	311
C164A(SCR)	5371
C164A2(SCR)	5368
C164B(SCR)	5371
C164B2(SCR)	5368
C164C(SCR)	5371
C164C2(SCR)	5368
C164D(SCR)	5371
C164D2(SCR)	5368
C164E(SCR)	5371
C164E2(SCR)	5368
C164M(SCR)	5371
C164M2(SCR)	5368
C165A(SCR)	5371
C165A2(SCR)	5368
C165B(SCR)	5371
C165B2(SCR)	5368
C165C(SCR)	5371
C165C2(SCR)	5368
C165D(SCR)	5371
C165D2(SCR)	5368
C165E(SCR)	5371
C165E2(SCR)	5368
C165M(SCR)	5371
C165M2(SCR)	5368
C165N(SCR)	5372
C165N2(SCR)	5369
C165S(SCR)	5372
C165S2(SCR)	5369
C166	123A
C167	123A
C170	123A
C170R	123A
C171	123A
C172	123A
C172A	123A
C173	101
C174	123A
C174A	161
C175	101
C175B	102A
C176	101
C177	101
C178	101
C178A	123A
C178B	123A
C178C	123A
C178HA	123A
C178HB	123A
C178HC	123A
C179	103A
C180(Transistor)	103A
C180A(SCR)	5580
C180AX500	5587
C180B(SCR)	5580
C180BX500	5587
C180C(SCR)	5582
C180CX500	5587
C180D(SCR)	5582
C180DX500	5587
C180E(SCR)	5582
C180EX500	5587
C180M(SCR)	5582
C180MX500	5587
C180N(SCR)	5584
C180NX500	5589
C180P(SCR)	5584
C180PA	5584
C180PB	5584
C180S(SCR)	5584
C180SX500	5589
C180T(SCR)	5584
C181	103A
C182	313
C182Q	313
C183	313
C183E	313
C183J	313
C183K	313
C183L	313
C183M	313
C183P	313
C183Q	313
C183R	313
C183W	313
C184	313
C184(Korea)	123AP
C184H	313
C184J	313
C184L	313
C184-O(Korea)	123AP
C184R(Korea)	123AP
C184Y(Korea)	123AP
C185	313
C185(Transistor)	313
C185A	313
C185J	313
C185M	313
C185Q	313
C185R	313
C185V	108
C186	107
C187	107
C187R	107
C187Y	107
C188	128
C188A	128
C188AB	128
C189	128
C189D	128
C189E	128
C189F	128
C189K	238
C190	128
C191	123A
C192	123A
C193	123A
C194	123A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
C195	123A
C196	123A
C197	123A
C199	123A
C200(SCR)	5494
C200(transistor)	123A
C201	129
C201(Japan)	123A
C202	102A
C202(Japan)	123A
C203	123A
C203A(SCR)	5402
C203B(SCR)	5404
C203C(SCR)	5405
C203D(SCR)	5405
C203M(SCR)	5406
C203Y(SCR)	5400
C203YY	5401
C204	123A
C204F	123A
C205	123A
C206	161
C206(IC)	1075A
C207	161
C208	161
C209	161
C210	128
C211	128
C212	128
C213	282§
C214	282§
C215	282§
C216	128
C217	128
C218	128
C218A	128
C219	161
C220	128
C220A(SCR)	5491
C220A4	5534A
C220A5	5534A♦
C220B(SCR)	5492
C220B4	5534A
C220B5	5534A♦
C220C(SCR)	5494
C220C4	5534A
C220C5	5534A♦
C220D(SCR)	5494
C220D4	5534A
C220D5	5534A♦
C220E(SCR)	5496
C220E4	5534A
C220E5	5534A♦
C220F(SCR)	5491
C220F4	5534A
C220F5	5534A♦
C220M(SCR)	5496
C220M4	5534A
C220M5	5534A♦
C220U(SCR)	5491
C220U4	5534A
C220U5	5534A♦
C220V	5491
C221	128
C222	128
C222A(SCR)	5514
C222B(SCR)	5514
C222C(SCR)	5515
C222D(SCR)	5515
C222DX111	5515
C222E(SCR)	5516
C222F(SCR)	5514
C222M(SCR)	5516
C222U(SCR)	5514
C223	282§
C223(Transistor)	128
C224	282§
C225	282§
C226	128
C227	128
C228	128
C228A(SCR)	5542
C228A2	5562
C228A3	5562
C228A4	5534A
C228A5	5534A♦
C228B(SCR)	5543
C228B2	5562
C228B3	5562
C228B4	5534A
C228B5	5534A♦
C228C(SCR)	5545
C228C2	5564
C228C3	5564
C228C4	5534A
C228C5	5534A♦
C228D(SCR)	5545
C228D2	5564
C228D3	5564
C228D4	5534A
C228D5	5534A♦
C228E(SCR)	5547
C228E2	5566
C228E3	5566
C228E4	5534A
C228E5	5534A♦
C228F(SCR)	5541
C228F2	5562
C228F3	5562
C228F4	5534A
C228M(SCR)	5547
C228M2	5566
C228M3	5566
C228M4	5534A
C228M5	5534A♦
C228U(SCR)	5541
C228U2	5562
C228U3	5562
C228U4	5534A
C228U5	5534A♦
C229	128
C229A(SCR)	5517
C229B(SCR)	5517
C229C(SCR)	5518
C229D(SCR)	5518
C229E(SCR)	5519
C229F(SCR)	5517
C229M(SCR)	5519
C229U(SCR)	5517
C230	123A
C230A4	5534A
C230A5	5534A♦
C230B4	5534A
C230B5	5534A♦
C230C4	5534A
C230C5	5534A♦
C230D(SCR)	5527
C230D4	5534A
C230D5	5534A♦
C230E4	5534A
C230E5	5534A♦
C230F4	5534A
C230F5	5534A♦
C230M4	5534A
C230M5	5534A♦
C230U4	5534A
C230U5	5534A♦
C231	123A
C232	123A
C233	123A
C234	282§
C234A(SCR)	5522
C234A2	5562
C234A3	5562
C234A4	5534A
C234A5	5534A♦
C234B(SCR)	5524
C234B2	5562
C234B3	5562
C234B4	5534A
C234B5	5534A♦
C234C(SCR)	5527
C234C2	5564
C234C3	5564
C234C4	5534A
C234C5	5534A♦
C234D(SCR)	5527
C234D2	5564
C234D3	5564
C234D4	5534A
C234D5	5534A♦
C234E(SCR)	5529
C234E2	5566
C234E3	5566
C234E4	5534A
C234E5	5534A♦
C234F(SCR)	5521
C234F2	5562
C234F3	5562
C234F4	5534A
C234F5	5534A♦
C234M(SCR)	5529
C234M2	5566
C234M3	5566
C234M4	5534A
C234M5	5534A♦
C234U(SCR)	5521
C234U2	5562
C234U3	5562
C234U4	5534A
C234U5	5534A♦
C235	282§
C235(O)	282§
C235A(SCR)	5517
C235B(SCR)	5517
C235C(SCR)	5518
C235D(SCR)	5518
C235E(SCR)	5519
C235F(SCR)	5517
C235M(SCR)	5519
C235-O	282§
C235U(SCR)	5517
C235Y	282§
C236	128
C237	123A
C238	123A
C239	123A
C240	130
C241	130
C242	130
C242D	345
C243	280
C244	385
C245	385
C246	385
C247	128
C248	123A
C249	128
C250	123A
C251	161
C251A	161
C251C(IC)	778A
C252	161
C253	161
C254	128
C255	128
C256	128
C258C(IC)	778A
C261	195A
C266	313
C267A	123A
C270	165
C271	108
C272	108
C273	154
C277C	103A
C277C(IC)	943M
C281	123A
C281A	123A
C281B	123A
C281C	123A
C281C-EP	123A
C281D	123A
C281EP	123A
C281H	123A
C281HA	123A
C281HB	123A
C281HC	123A
C282	123A
C282(Transistor)	108
C282H	123A
C282HA	123A
C282HB	123A
C282HC	123A
C283	123A
C283(Transistor)	123A
C284	123A
C284H	123A
C284HA	123A
C284HB	123A
C285	311
C285A	311
C286(Transistor)	108
C287(Transistor)	313
C288(Trans)	65
C288A(Trans)	65
C288A(5.B)	65
C288E(STUD)	5547
C288F(5.B)	65
C288F(Trans)	65
C289	108
C290(Transistor)	195A
C291(Transistor)	128
C292	282§
C293	282§
C294(EBC)	81
C296	161
C298	282§
C298-4	282§
C299	427/282§
C300	123A
C300B	123A
C300C	123A
C300D	123A
C300E	123A
C301	123A
C301A(PNP)	129
C301B	123A
C301C	123A
C301D	123A
C301E	123A
C302(Japan)	123A
C302(PNP)	129
C302B	123A
C302C	123A
C302D	123A
C302E	123A
C303(IC)	1049
C306	128
C306B	128
C306C	128
C306D	128
C306E	128
C306F	128
C307	128
C307B	128
C307C	128
C307D	128
C307E	128
C308	128
C309	128
C309B	128
C309C	128
C309D	128
C309E	128
C310	282§
C310B	282§
C310C	282§
C310D	282§
C310E	282§
C311	195A
C312	224
C313	161
C313(Japan)	161
C313C	161
C313H	161
C315	123A
C316	123A
C317	123A
C317C	123A
C317-O	123A
C318	123A
C318(Japan)	123A
C318-2	123A
C318-3	123A
C318-4	123A
C318-5	123A
C318-6	123A
C318A	123A
C318A(Japan)	123A
C319	311
C320	472
C321	123A
C321H	123A
C321HA	123A
C321HB	123A
C321HC	123A
C323	123A
C324	123A
C324A	123A
C324C	987
C324H	123A
C324HA	123A
C325	316
C325A	316
C325C	316
C325E	152
C328	316
C328A	316
C329	316
C329B	316
C329C	316
C333H	123A♦
C333HA	123A♦
C333HB	123A♦
C333HC	123A♦
C335	123A
C337B	123A
C338	123A
C348	123A
C350(Transistor)	123A
C350E(SCR)	5591
C350H	123A
C350M(SCR)	5591
C350N(SCR)	5592
C350P(SCR)	5592
C350PA	5592
C350PB	5592
C350S(SCR)	5592
C350T(SCR)	5592
C351	107
C351(FA)	107
C352	123A
C352(Japan)	123A
C352A	123A
C352A(Japan)	128
C353	128
C353A	128
C354A(SCR)	5380
C354B(SCR)	5380
C354C(SCR)	5380
C354D(SCR)	5380
C354E(SCR)	5380
C354M(SCR)	5380
C355A(SCR)	5380
C355B(SCR)	5380
C355C(SCR)	5380
C355D(SCR)	5380
C355E(SCR)	5380
C355M(SCR)	5380
C358C(IC)	928M
C358E(SCR)	5380
C358M(SCR)	5380
C358N(SCR)	5381
C358P(SCR)	5381
C358PA(SCR)	5381
C358PB(SCR)	5381
C358S(SCR)	5381
C358T(SCR)	5381
C360	123A
C360B	123A
C360D	123A
C361	289A
C362	289A
C363	85
C364A(SCR)	5380
C364B(SCR)	5380
C364C(SCR)	5380
C364D(SCR)	5380
C364E(SCR)	5380
C364M(SCR)	5380
C365	5531
C365A(SCR)	5380
C365B(SCR)	5380
C365C(SCR)	5380
C365D(SCR)	5380
C365E(SCR)	5380
C365M(SCR)	5380
C365N(SCR)	5381
C365S(SCR)	5381
C366	85
C366G	85
C366-O	85
C366O	85
C366-R	85
C366R	85
C366Y	85
C366-Y	85
C367	85
C367AO	85
C367AR	85
C367AY	85
C367G	85
C367O	85
C367R	85
C367Y	85
C368	199
C368BL	199
C368GR	199
C368V	199
C369	199
C369BL	199
C369G	199
C369G-BL	199
C369GBL	199
C369GGR	199
C369G-GR	199
C369GR	199
C369G-V	199
C369V	199
C370	289A
C370F	289A
C370G	289A
C370H	289A
C370J	289A
C370K	289A
C371	289A
C371(0)	289A
C371-0	289A
C371B	289A
C371G	289A
C371O	289A
C371-O	289A
C371R	289A
C371-R	289A
C371-R-1	289A
C372	85
C372(O)	85
C372-1	85
C372-2	85
C372/4454C	85
C372BL	85
C372FA	85
C372G	85
C372GO	85
C372GR	85
C372GY	85
C372H	85
C372-O	85
C372-R	85
C372X	85
C372Y	85
C372-Y	85
C372-Z	85
C373	85
C373-0	85
C373BL	85
C373G	85
C373GR	85
C373S	85
C373W	85
C374	199
C374-BL	199
C374JA	199
C374-V	199
C375	107
C375-0	107
C375-O	311
C375-Y	107
C376	85
C377	85
C377-0	85
C377A	85
C377-O	85
C378	289A
C378-O	289A
C378-R	289A
C378-Y	289A
C379	85
C380	85
C380(Transistor)	229
C380-0	85
C380-1	85
C380A	85
C380A(SCR)	5590
C380A(O)	85
C380A-0	289A
C380A-0(TV)	85
C380A-C	85
C380AO	85
C380A-O	85
C380A-O(TV)	85
C380A-R	85
C380AR	85
C380A-R(TV)	85
C380ATV	85
C380AY	85
C380B(SCR)	5590
C380C(SCR)	5591
C380D	85
C380D(SCR)	5591
C380E(SCR)	5591
C380M(SCR)	5591
C380N(SCR)	5592
C380-O	85
C380P(SCR)	5592
C380PA	5592
C380PB	5592
C380R	85
C380S(SCR)	5592
C380T(SCR)	5592
C380TV	85
C380-Y	85
C380Y	85
C381	107
C381-0	107
C381BN	107
C381-O	107
C381R	107
C381-R	107
C382(ECB)	229
C382-BK(1)(ECB)	229
C382-BK(2)(ECB)	229
C382BK(ECB)	229
C382BL(ECB)	229
C382BN(ECB)	229
C382BR(ECB)	229
C382G(ECB)	229
C382GR(ECB)	229
C382-GR(ECB)	229
C382-GY(ECB)	229
C382R(ECB)	229
C382V(ECB)	229
C382W(ECB)	229
C383	85
C383F	85
C383G	85
C383T	85
C383TM(Trans)	85
C383W	85
C383Y	85
C384	107
C384A(SCR)	5380
C384B(SCR)	5380
C384C(SCR)	5380
C384D(SCR)	5380
C384E(SCR)	5380
C384M(SCR)	5380
C384-O	107
C384Y	107
C385(Transistor)	107
C385A	107
C385A(SCR)	5380
C385B(SCR)	5380
C385C(SCR)	5380
C385D(SCR)	5380
C385E(SCR)	5380
C385M(SCR)	5380
C385N(SCR)	5381
C385S(SCR)	5381
C386	107
C386A-0(TV)	107
C387	311
C387(Transistor)	107
C387A	311
C387A(Transistor)	316
C387A(FA-3)Tran	316
C387A(FA-3)	108
C387AG	107
C387E(SCR)	5386
C387G	108
C387G(Transistor)	107
C387M(SCR)	5386
C387N(SCR)	5387
C387P(SCR)	5387
C387PA(SCR)	5387
C387PB(SCR)	5387
C387S(SCR)	5387
C387T(SCR)	5387
C388	107
C388A	107
C388A-TM	107
C388ATM	107
C388ATMFA-1(Trans)	107
C388ATV	107
C388E(SCR)	5386
C388M(SCR)	5386
C388N(SCR)	5387
C388P(SCR)	5387
C388PA(SCR)	5387
C388PB(SCR)	5387
C388S(SCR)	5387
C388T(SCR)	5387
C389	161
C389-0	161
C389R	161
C390	316
C390E(SCR)	5595
C390M(SCR)	5595
C390N(SCR)	5596
C390P(SCR)	5596
C390PA	5596
C390PB	5596
C390T(SCR)	5596
C392	316
C392E(BCE)	289A
C393C(IC)	943M
C394	85
C394-0	85
C394A(SCR)	5386
C394B(SCR)	5386
C394C(SCR)	5386
C394D(SCR)	5386
C394E(SCR)	5386
C394GR	85
C394M(SCR)	5386
C394-O	85
C394R	85
C394W	85
C394X	85
C394Y	85
C395	123A
C395A	123A
C395R	123A
C396	311
C397(Transistor)	108
C397E(SCR)	5386
C397M(SCR)	5386
C397N(SCR)	5387
C397P(SCR)	5387
C397PA(SCR)	5387
C397PB(SCR)	5387
C397S(SCR)	5387
C397T(SCR)	5387
C398	319P
C398(FA-1)	319P
C398E(SCR)	5386
C398M(SCR)	5386
C398N(SCR)	5387
C398P(SCR)	5387
C398PA(SCR)	5387
C398PB(SCR)	5387
C398S(SCR)	5387
C398T(SCR)	5387
C399	319P
C400	123A
C400-0	123A
C400-GR	123A
C400-R	123A
C400-Y	123A
C401	289A
C401(Japan)	123A
C401A	289A
C401AK	289A
C401AL	289A
C402	289A
C402(Japan)	123A
C402A	289A
C403	289A
C403(C)	289A
C403(3rd IF)(ECB)	233
C403A	289A
C403B(Sony)	289A
C403C	289A
C403SP	289A
C404	289A
C405	123A
C406	123A
C407	385
C407(Japan)	162
C408	385
C409	385
C410	385
C411	385
C412	278
C420	128
C423	311
C423B	123A
C423C	123A
C423D	123A
C423E	123A
C423F	123A
C423S	123A
C423SC	123A
C423SD	123A
C423SE	123A
C423SF	123A
C424	123A
C424(Japan)	123A
C424D	123A
C425	128
C425B	123A
C425C	123A
C425D	123A
C425E	123A
C425F	123A
C426	128
C428	311
C429	313
C429J	313
C429X	313
C430	313
C430H	313
C430W	313
C440	311
C440E	5598
C440M	5598
C440N	5599
C440P	5599
C440PA	5599
C440PB	5599
C440S	5599
C440T	5599
C441	311
C442	311
C443	128
C444	123A
C450	123A
C451C	987
C454	85
C454(A)	85
C454A	85
C454B	85
C454C	85
C454D	85
C454L	85
C454LA	85
C455	289A
C456	123A
C456A	195A
C456D	195A
C456-O	195A
C458	85
C458(C)	85
C458A	85
C458AD	85
C458B	85
C458BC	85
C458BL	85
C458BX	85
C458C	85
C458CD	85
C458C/D	85
C458CLG	85
C458CM	85
C458-D	85
C458D	85
C458G	85
C458GLB	85
C458-GR(Trans)	85
C458K	85
C458KA	85
C458KB	85
C458KC	85
C458KD	85
C458L	85
C458LB	85
C458LC	85
C458LG	85
C458LG(B)	85
C458LGA	85
C458LGB	85
C458LGBM	85
C458LGC	85
C458LGD	85

♦, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
C458LGO	85
C458LGS	85
C458M	85
C458-O(Trans)	85
C458P	85
C458PGC	85
C458RGS	85
C458TOK	85
C458V	85
C458VC	85
C458-Y(Trans)	85
C459	85
C459B	85
C459C	85
C459D	85
C460	85
C460(A)	85
C460(B)	85
C460A	85
C460AB	85
C460B	85
C460C	85
C460D	85
C460F	85
C460G	85
C460GB	85
C460H	85
C460K	85
C460L	85
C461	85
C461A	85
C461B	85
C461-B	85
C461C	85
C461E	85
C461L	85
C461R	85
C463	161
C463(Y)	131
C463H	161
C464	316
C464C	316
C465	316
C466	316
C466H	316
C467	108
C467B	108
C468	123A
C468(LGR)	123A
C468A	123A
C468B	123A
C468C	123A
C469	313
C469A	313
C469F	313
C469K	313
C469Q	313
C469R	313
C470	154
C472Y	123A
C475	313
C475K	313
C476	313
C477	161
C478	123A
C478(D)	123A
C478-4	123A
C478D	123A
C478YL	195A
C479	128
C479H	128
C481	128
C481X	195A
C482	128
C482-GR	195A
C482GR	195A
C482-O	195A
C482X	195A
C482Y	195A
C482-Y	195A
C484	324
C484BL	324
C484R	324
C484Y	324
C485	324
C485BL	324
C485C	324
C485R	324
C485Y	324
C486	324
C486BL	324
C486R	324
C486Y	324
C487	175
C488	175
C489	175
C490	175
C491	175
C491BL	175
C491R	175
C491Y	175
C492	280
C493	87
C493-BL	87
C493-R	87
C493-Y	87
C494C(IC)	1729
C495	295
C495(RF PWR)	295
C495-0	295
C495AQ	295
C495-O	184
C495-R	295
C495T	295
C495T(CB)	295
C495-X(Trans)	295
C495Y	295
C495-Y	295
C495-YX(Trans)	295
C496	295
C496(O)	295
C496-0	295
C496O	295
C496-O	295
C496-R	295
C496-Y	295
C496Y	184
C497	128
C497-O	128
C497-R	128
C497-Y	128
C498	128
C498-O	128
C498-R	128
C498-Y	128
C499	289A
C499R	289A
C499-R(FA-1)	289A
C499-RY	289A
C499Y	289A
C499-Y(FA-1)	289A
C500	154
C500R	154
C500Y	154
C501(Transistor)	128
C502	195A
C502(Japan)	195A
C503	128
C503GR	128
C503-O	128
C503-Y	128
C504	128
C504GR	128
C504-O	128
C504-Y	128
C505	154
C-505	177
C505-O	154
C505-R	154
C506	154
C506-O	154
C506-R	154
C507	154
C507-O	154
C507-R	154
C507-Y	154
C508	384
C509	289A
C509(0)	289A
C509(Transistor)	289A
C509G	289A
C509Q	289A
C509Y	289A
C510	324
C510-O	324
C510-R	324
C511	324
C512	324
C512-O	324
C512-R	324
C513	324
C513-O	324
C513R	324
C514	124
C515	124
C515A	124
C515A(BK)	124
C515AX	124
C515Y	124
C516	128
C516A	128
C517	237
C517C	237
C519	87
C519A	87
C520	87
C520A	87
C521	87
C521A	87
C522	427/282§
C522-0	225
C522-R	225
C523	427/282§
C523-0	427/282§
C523-R	225
C524	427/282§
C524-0	225
C524-R	225
C525	237
C525-O	225
C525-R	237
C526	154
C529	85
C529A	85
C535	107
C535(B)	107
C535A	107
C535-B	107
C535B	107
C535C	107
C535G	107
C536	85
C536B	85
C536C	85
C536D	85
C536E	85
C536F	85
C536FPD	289A
C536FPE	289A
C536FPF	199
C536FPG	199
C536FPH	199
C536FS	199
C536G	199
C536H	199
C536K	199
C536KD(Trans)	289A
C536KE(Trans)	289A
C536KF	199
C536KG(Trans)	199
C536KNP	199
C536KNPD	289A
C536KNPE	289A
C536KNPF	289A
C536NP	85
C536NPD	289A
C536NPE	289A
C536NPF	289A
C536SP	199
C536SPD	289A
C536SPE	289A
C536SPF	289A
C536Y(Trans)	85
C537	289A
C537(F)	199
C537(G)	199
C537-01	289A
C537A	199
C537B	289A
C537C	289A
C537-C7	289A
C537D	289A
C537D2	289A
C537E	289A
C537EF	289A
C537EH	289A
C537EJ	289A
C537EK	289A
C537F	289A
C537F1	289A
C537F2	289A
C537FC	289A
C537FD	289A
C537FV	199
C537G	199
C537GF	123A
C537GI	199
C537H	199
C537HT	199
C537W	199
C538	123A
C538A	123A
C538AQ	123A
C538P	123A
C538Q	123A
C538R	123A
C538S	123A
C538T	123A
C539	123A
C539K	123A
C539L	123A
C539P	123A
C539Q	123A
C539R	123A
C539S	123A
C540	313
C544	107
C544C	107
C544D	107
C544E	107
C545	107
C545A	107
C545B	107
C545C	107
C545D	107
C545E	107
C547	311♦
C548(CBE-Europe)	123AP
C548C(CBE-Europe)	123AP
C-554(IC)	1142
C554(IC)	1142
C-554C(IC)	1142
C554C(IC)	1142
C555	311
C555(IC)	703
C555A(IC)	703
C-555A(IC)	703
C555AB(IC)	703
C555C(IC)	703
C-555C(IC)	703
C555H(IC)	1092
C558	389
C558(CBE-Europe)	159
C558(IC)	1051
C558C	1051
C558C(IC)	1051
C560	128
C561	108
C561(IC)	1079
C561C(IC)	1079
C562	161
C562(IC)	1050
C562C(IC)	1050
C562C1(IC)	1050
C562O	161
C562Y	161
C563	161
C563(IC)	1081A*
C563A	161
C563A(3rd IF)	233
C563H(IC)	1081A*
C563H1D369(IC)	1081A*
C563H2(IC)	1081A*
C564	123A
C564(IC)	1088
C564A	123A
C564C(IC)	1088
C564P	123A
C564Q	123A
C564R	123A
C564S	123A
C564T	123A
C565	123A
C566	316♦
C566(IC)	1052
C566H(IC)	1052
C566H2(IC)	1052
C566H-L	1052
C566H-M	1052
C566H-N	1052
C567	316
C568	316
C570(IC)	1086*
C570C(IC)	1086*
C571	346
C571(IC)	1078§
C571C(IC)	1078§
C571H(IC)	1638
C572	475
C572R	475
C573	476
C573(IC)	1184
C573C(IC)	1184
C573R	476
C574J(IC)	615A
C574J(DIODE)	615A
C575(IC)	1140
C575C(IC)	1140
C575C2	1140*
C575C2(IC)	1140
C576(IC)	1185
C576H	1185
C576H(IC)	1185
C577(IC)	1082
C577A	1082
C577H	1082
C577H(IC)	1082
C577N	1082
C578	123
C580	128
C580(IC)	1196
C580C(IC)	1196
C582	124
C582A	124
C582B	124
C582BC	124
C582BX	124
C582BY	124
C582C	124
C583	316
C583C	316
C586	280
C587	123A
C587A	123A
C587B	123A
C587C	123A
C588	123A
C589	154
C590	154
C590Y	289A
C592(IC)	1195
C592A2	1195
C592H(IC)	1195
C592H2	1195
C592H2(IC)	1195
C593	123A
C594	123A
C595	123A
C595(IC)	1186
C595C(IC)	1186
C595C2	1186
C596	1187
C596(TRANSISTOR)	123A
C596(IC)	1187
C596C	1187
C596C(IC)	1187
C597	4016B
C601	311
C602	161
C602E	123A
C605	313
C605(B)K(Trans)	313
C605(Q)	313
C605(B)(Trans)	313
C605(NEC)	313
C605K	313
C605L	313
C605M	313
C605Q	313
C605TW	313
C606	313
C606(B)(Trans)	313
C606(NEC)	313
C606(B)K(Trans)	313
C606A	313
C608	237
C608E	237
C608T	237
C609	237
C609(Transistor)	237
C609F	237
C609F(Transistor)	237
C609T	237
C609T(Transistor)	237
C611	316
C611(Transistor)	108
C612	316
C614	195A
C614D	195A
C614E	195A
C614F	195A
C614G	195A
C615	195A
C615A	195A
C615B	195A
C615C	195A
C615D	195A
C615E	195A
C615F	195A
C615G	195A
C618	161
C618A	161
C619(BCE)	85
C619B(BCE)	85
C619C(BCE)	85
C619D(BCE)	85
C619E(BCE)	85
C620(BCE)	85
C620B(BCE)	85
C620C(BCE)	85
C620CD(BCE)	85
C620D(BCE)	85
C620DE(BCE)	85
C620E(BCE)	85
C620M(BCE)	85
C620MC(BCE)	85
C620MD(BCE)	85
C620ME(BCE)	85
C620R(BCE)	85
C621	85
C622	123A
C627	154
C627F	154
C627FA	154
C627FB	154
C628	311
C629	107
C631	85
C631A	85
C632	85
C632A	85
C633	85
C633-7	85
C633A	85
C633G	85
C633H	85
C634	85
C634A	85
C635A	124
C636	187
C637	475
C638	476
C640	313
C640B	313
C641	85
C641B	85
C641C	107
C641K	85
C641KB	85
C641KC	85
C642	164
C642A	164
C643	389
C643A	238
C643A-4A	389
C644	199
C644C	199
C644F	199
C644F/494	199
C644FR	199
C644FS	199
C644H	199
C644HR	199
C644HS	199
C644P	199
C644PJ	199
C644Q	199
C644QRS	199
C644R	199
C644RF	199
C644RST	199
C644S	199
C644S/494	199
C644T	199
C645(Trans)	107♦
C645A(Trans)	107♦
C645C(Trans)	107♦
C646	328
C647	328
C647P	328
C647Q	328
C647R	328
C648	123A
C648H	123A
C649	123A
C649A	123A
C649B	123A
C650	123A
C650A	123A
C650B	123A
C651	278
C652	311
C653	316
C654	311
C657	107
C658	107
C658A	107
C659	107
C662	108
C663	161
C664	130
C664B	130
C664C	130
C665	87
C665H	87
C665HA	87
C665HB	87
C668	229
C668-0	107
C668A	107
C668B	107
C668B1	107
C668BC2	107
C668C	107
C668C1	107
C668CD	107
C668CE	107
C668D	107
C668D0	107
C668D1	107
C668DE	107
C668DO	107
C668DV	107
C668DX	107
C668DZ	107
C668E	107
C668E1	107
C668E2	107
C668EP	107
C668EV	107
C668EX	107
C668F	107
C668SP	107
C669	282§
C669A	282§
C670	124
C673	234
C673C2	159
C673D	159
C674	107
C674(Japan)	107
C674B	107
C674C	107
C674CV	107
C674D	107
C674E	107
C674F	107
C674G	107
C675	87
C677	87
C680	286
C680A	286
C680R	286
C681	283
C681(HORZ)	163A
C681A	283
C681ARD	283
C681AYL	283
C681B	283
C681L(Trans)	283
C681Y(Trans)	283
C681YL	283
C682	161
C682A	161
C682B	161
C683	161
C683A	161
C683B	161
C683P	161
C683Q	161
C683R	161
C683V	161
C684	107
C684(JAPAN)	108
C684A	107
C684A(JAPAN)	108
C684B	107
C684BK	107
C684F	107
C684R	107
C685	124
C685(0)	124
C685(FET)	456
C685A	124
C685A(FET)	456
C685B	124
C685GU	124
C685H	124
C685HA	124
C685HB	124
C685P	124
C685S	124
C685Y	124
C686	154
C686-248-0	159
C687	280
C690	359♦
C690A	359♦
C693	199
C693(Japan)	199
C693A	199
C693B	199
C693C	199
C693D	199
C693E	199
C693E(Japan)	199
C693EB	199
C693ET	199
C693F	199
C693FC	199
C693FL	199
C693FU	199
C693G	199
C693G(Japan)	199
C693GL	199
C693GS	199
C693GU	199
C693GZ	199
C693H	199
C693S	199
C693SF	199
C693SG	199
C693SH	199
C694	199
C694D	123A
C694E	199
C694F	199
C694G	199
C694Z	199
C695	313
C696	128
C696(D)	128
C696A	128
C696AB	128
C696AD	128
C696AE	128
C696AF	128
C696AH	128
C696AJ	128
C696B	128
C696D	128
C696E	128
C696F	128
C696G	128
C696H	128
C696I	128
C696J	128
C697	427/282§
C697A	427/282§
C697AB	427/282§
C697AD	427/282§
C697AE	427/282§
C697AF	427/282§
C697AH	427/282§
C697AI	427/282§
C697AJ	427/282§
C697E	427/282§
C697F	427/282§
C697H	427/282§
C697I	427/282§
C697J	427/282§
C701(Transistor)	123
C702	123
C705	107
C705B	107
C705C	107
C705D	107
C705E	107
C705F	107
C705TV	107
C707	316
C707H	316
C708	128
C708A	128
C708AA	128
C708AB	128
C708AC	128
C708AH	128
C708AHA	128
C708AHB	128
C708AHC	128
C708B	128
C708C	128
C709	85
C709B	85
C709C	85
C709CD	85
C709D	85
C710(C)(BCE)	85
C710(BCE)	85
C710(D)(BCE)	85
C710(B)(BCE)	85
C710-0(BCE)	85
C710-1(BCE)	85
C710-2(BCE)	85
C710-3(BCE)	85
C710-4(BCE)	85
C710-13(BCE)	85
C710-14	107
C710-14(BCE)	85
C710-15(BCE)	85
C710B(BCE)	85
C710B2(BCE)	85
C710BC(BCE)	85
C710C(BCE)	85
C710CD(BCE)	85
C710D(BCE)	85
C710DE(BCE)	85
C710E	107
C710E(BCE)	85
C710F(BCE)	85
C710P(BCE)	85
C710R(BCE)	85
C710S(BCE)	85
C711(E)(BCE)	199
C711(BCE)	85
C711A	85
C711A(BCE)	199
C711AD(BCE)	85
C711AE(BCE)	85
C711AF(BCE)	85
C711AG(BCE)	199
C711AH(BCE)	199
C711C(BCE)	85
C711D(BCE)	85
C711E(BCE)	85
C711F(BCE)	85
C711G(BCE)	199
C711H(BCE)	199
C712(BCE)	85
C712A	123A
C712A(BCE)	85
C712B(BCE)	85
C712BC(BCE)	85
C712C(BCE)	85

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
C712-CD(BCE)	85
C712D(BCE)	85
C712DE(BCE)	85
C712E(BCE)	85
C712-O(BCE)	85
C712W(BCE)	85
C713(BCE)	85
C713B(BCE)	85
C713C(BCE)	85
C713D(BCE)	85
C713E(BCE)	85
C713M(BCE)	85
C713MC(BCE)	85
C713MD(BCE)	85
C713ME(BCE)	85
C713W(BCE)	85
C714(BCE)	289A
C714B(BCE)	289A
C714C(BCE)	289A
C714D(BCE)	289A
C715	85
C715(Japan)	199
C715A	85
C715B	85
C715C	85
C715D	85
C715E	85
C715EJ	85
C715EV	85
C715F	85
C715S	85
C715SC	85
C715SD	85
C715SE	85
C715SF	85
C715XL	85
C716	289A
C716B	289A
C716C	289A
C716D	289A
C716E	289A
C716F	289A
C717	107
C717(Final IF)	107
C717B	107
C717BK	107
C717BLK	107
C717C	107
C717E	107
C717TM	161
C720	161
C722	107
C722F	107
C723	107
C723F	107
C724	289A
C724B	289A
C724G	289A
C724V	289A
C724Y	289A
C725	289A
C725B	289A
C725G	289A
C725-O	289A
C725V	289A
C725Y	289A
C727	287
C727A	287
C727B	287
C728	287
C728A	287
C728B	287
C730	346
C731	311
C732	199
C732-0	199
C732B	199
C732BL	199
C732GR	199
C732S	199
C732TM	199♦
C732V	199
C732Y	199
C733	199
C733-0	199
C733BL	199
C733GR	199
C733-O	199
C733R	199
C733V	199
C733-Y	199
C733Y	199
C734	289A
C734-0	289A
C734GR	289A
C734-O	289A
C734O	289A
C734-R	289A
C734Y	289A
C734-Y	289A
C735	289A
C735(FA-3)	108
C735(O)	289A
C735-0	289A
C735B	289A
C735F	289A
C735FA3	289A
C735G	289A
C735GR	289A
C735H	289A
C735J	289A
C735K	289A
C735L	289A
C735-O	289A
C735-R	123A
C735Y	289A
C735-Y	289A
C736	87
C738(BCE)	107
C738A(BCE)	107
C738B(BCE)	107
C738C(BCE)	107
C738D(BCE)	107
C739(BCE)	107
C739A(BCE)	107
C739B(BCE)	107
C739C(BCE)	107
C739D(BCE)	107
C740	108
C741	486
C744	128
C752	85
C752G	85
C752G-O	85
C752G-R	85
C752G-TM-Y	85
C752G-Y	85
C752O	85
C752R	85
C752TM-Y(Trans)	85
C752Y	85
C756	282§
C756-1	282§
C756-1-1	282§
C756-1-2	282§
C756-1-3	282§
C756-1-4	282§
C756-2	282§
C756-2-1	282§
C756-2-2	282§
C756-2-3	282§
C756-2-4	282§
C756-2-5	282§
C756-3	282§
C756-3-1	282§
C756-3-2	282§
C756-3-3	282§
C756-3-4	282§
C756-4	282§
C756-4-1	282§
C756-4-2	282§
C756-4-3	282§
C756-4-4	282§
C756-5	282§
C756A	282§
C756A-1	282§
C756A-2	282§
C756A-3	282§
C756A-4	282§
C756C	282§
C756D	282§
C756E	282§
C756H	282§
C756S	282§
C756S-2	282§
C756S-2-1	282§
C756S-2-2	282§
C756S-2-3	282§
C756S-2-4	282§
C756S-3	282§
C756S-3-1	282§
C756S-3-2	282§
C756S-3-3	282§
C756S-3-4	282§
C756S-4	282§
C756S-4-1	282§
C756S-4-2	282§
C761	161
C761Y	161
C761Z	161
C762	161
C762P	161
C763(BCE)	107
C763(C)(BCE)	107
C763-0(BCE)	107
C763A(BCE)	107
C763B(BCE)	107
C763C(BCE)	107
C763CD(BCE)	107
C763-O(BCE)	107
C763R(BCE)	107
C763S(BCE)	107
C764	312
C768	328
C771(Trans)	283
C772(ECB)	229
C772B(ECB)	229
C772BG(ECB)	229
C772BH(ECB)	229
C772BV(ECB)	229
C772BX(ECB)	229
C772BY(ECB)	229
C772C(ECB)	229
C772C1(ECB)	229
C772C2(ECB)	229
C772CA(ECB)	229
C772CK(ECB)	229
C772CL(ECB)	229
C772CS	229
C772CU(ECB)	229
C772CV(ECB)	229
C772CX(ECB)	229
C772D(ECB)	229
C772DU(ECB)	229
C772DV(ECB)	229
C772DX(ECB)	229
C772DY(ECB)	229
C772E(ECB)	229
C772F(ECB)	229
C772K(ECB)	229
C772KB(ECB)	229
C772KC(ECB)	229
C772KD(ECB)	229
C772KD1(ECB)	229
C772KD2(ECB)	229
C772R(ECB)	229
C772R(Japan)	229
C772RB-D(ECB)	229
C772RD(ECB)	229
C773(BCE)	289A
C773C(BCE)	289A
C773D(BCE)	289A
C773E(BCE)	289A
C774	128
C775	128
C776	195A
C776(Y)	195A
C776Y	195A
C777	237
C778	237
C778B	237
C778D	237
C779	286
C779-0	286
C779-R	286
C779-y	286
C780	194
C780AG	194
C780AG-O	194
C780AG-R	194
C780AG-Y	194
C780G	194
C780-O	194
C781	128
C782	286
C782-O	286
C782-R	286
C782-Y	286
C783	286
C783-O	286
C783-R	286
C783Y	286
C783-Y	286
C784(ECB)	229
C784-0(ECB)	229
C784A(ECB)	229
C784BN(ECB)	229
C784-O(ECB)	229
C784O(ECB)	229
C784R(ECB)	229
C784R/4454C(ECB)	229
C784Y(ECB)	229
C785	199
C785(0)	229
C785-0(ECB)	229
C785BN	229
C785D	229
C785E	229
C785R	229
C785TM-0(ECB)	229
C786	161
C786-0	161
C786-O	161
C786R	161
C787	161
C788	154
C789	152
C789-0	152
C789-O	152
C789-R	152
C789-Y	152
C789Y	152
C790-O	152
C790Y	152
C791	175
C792	94
C792/FA-3	162
C793	130
C793BL	130
C793R	130
C793Y	130
C794R	130
C795	124
C795A	124
C796	123A
C797	128
C798	195A
C799	237
C799K	237
C802	128
C803	195A
C804H	313
C805	154
C806	283
C806A	283
C807	385
C807A	385
C808	388
C808A	388
C808B	388
C808C	388
C809	316
C810	311
C811	161
C814	192A
C814-O	192A
C814-Y	192A
C815	289A
C815(Korea)	123AP
C815(M)	289A
C815A	289A
C815B	289A
C815C	289A
C815F	289A
C815G(Korea)	123AP
C815K	289A
C815L	289A
C815M	289A
C815-O	289A
C815-O(Korea)	123AP
C815P	289A
C815R(Korea)	123AP
C815S	289A
C815SA	289A
C815SC	289A
C815-Y	289A
C815Y	289A
C815Y(Korea)	123AP
C816	128
C816K	128
C817	161
C817B	161
C817C	161
C817D	161
C818	154
C821	346
C822	346
C823(ECB)	278
C824	278♦
C825	286
C825A	286
C825B	286
C825C	286
C826	128
C827	128
C827A	128
C827B	128
C827C	128
C828	85
C828A	85
C828AF	85
C828AP	85
C828AQ	85
C828AR	85
C828AS	85
C828AT	85
C828B	85
C828C	85
C828E	85
C828F	85
C828FR	85
C828H	85
C828HR	85
C828K	85
C828LR	85
C828LS	85
C828N	85
C828O	85
C828OP	85
C828-P	85
C828P	85
C828PQ	85
C828Q	85
C828-Q	85
C828QRS	85
C828R	85
C828-R	85
C828R/494	199
C828RS	85
C828RST	85
C828RT	85
C828S	85
C828ST	85
C828T	85
C828W	85
C828Y	85
C829	85
C829A	85
C829B	85
C829B/4454C	85
C829BC	85
C829BY	85
C829C	107
C829C(ECB)	123AP
C829D	85
C829F	85
C829P	85
C829Q	85
C829R	85
C829S	85
C829X	85
C829Y	85
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C830-0	175
C830A	175
C830B	175
C830BKB	175
C830C	175
C830HA	175
C830HB	175
C830HC	175
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C833BL	384
C835	107
C836M	107
C837	107
C837F	107
C837H	107
C837K	107
C837L	107
C837WF	107
C838	289A
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C838(J)	289A
C838(M)	289A
C838(Korea)	123AP
C838(L)	289A
C838(H)	289A
C838A	289A
C838B	289A
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C838D	289A
C838E	289A
C838F	289A
C838H	289A
C838J	289A
C838K	289A
C838L	289A
C838M	289A
C838-O(Korea)	123AP
C838R	289A
C838R(Korea)	123AP
C838S	289A
C838W	289A
C838Y(Korea)	123AP
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C839(M)	85
C839(L)	85
C839(J)	85
C839(H)	85
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C839B	85
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C839D	85
C839E	85
C839F	85
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C839J	85
C839K	85
C839L	85
C839M	85
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C839Q	85
C839R	85
C839S	85
C839Y	85
C840	175
C840A	175
C840AC	175
C840H	175
C840HP	175
C840PQ	175
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C847C	123A
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C849C	123A
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C850B	123A
C850C	123A
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C853B	192A
C853C	192A
C853G(Korea)	123AP
C853K	199
C853KLM	192A
C853L	192A
C853-O(Korea)	123AP
C853R(Korea)	123AP
C853Y(Korea)	123AP
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C855	311
C856	154
C856-02	154
C856C	154
C857	154
C857H	154
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C858C	1198
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C858G	199
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C859E	199
C859F	199
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C859G	199
C859GK	199
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C860D	161
C860E	161
C863	161
C863D	161
C864	161
C866	237
C867	277§
C867A	277§
C867B	369
C868(BCE)	194
C869(BCE)	194
C869B(BCE)	194
C869C(BCE)	194
C869D(BCE)	194
C870	85
C870BL	85
C870C	85
C870D(BCE)	123AP
C870E	85
C870F	85
C871	85
C871BL	85
C871D	85
C871D(BCE)	123AP
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C871F	85
C871G	85
C872M	311
C875	128
C875-1	128
C875-1C	128
C875-1D	128
C875-1E	128
C875-1F	128
C875-2	128
C875-2C	128
C875-2D	128
C875-2E	128
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C875-3F	128
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C875SD	128
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C876F	128
C876S	128
C876SC	128
C876SD	128
C876SE	128
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C881B	192A
C881C	192A
C881D	192A
C881K	192A
C881L	192A
C881M	192A
C889	130
C890	487
C891	363♦
C892	364♦
C893	427/282§
C894	289A
C895	35§
C896	123A
C897	280
C897A	280
C897B	280
C897C	280
C898	280
C898A	280
C898B	280
C898C	280
C899	123A
C899K	123A
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C900(L)	199
C900(Korea)	123AP
C900(F)	199
C900A	199
C900AF	199
C900B	199
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C900E	199
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C900EU	199
C900F	199
C900L	199
C900M	199
C900U	199
C900U/E	199
C900UE	199
C900V	199
C900VE	199
C900Y(Korea)	123AP
C901	163A
C901A	163A
C902	284
C903	289A
C903D	229
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C906A	123A
C906B	123A
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C907	123A
C907A	123A
C907AC	123A
C907AD	123A
C907AH	123A
C907C	123A
C907D	123A
C907H	123A
C907HA	123A
C907HB	123A
C907HC	123A
C907HD	123A
C908	479
C912	85
C913	123A♦
C914	123A♦
C915	123A♦
C915A	123A♦
C915AQ	123A♦
C915Q	123A♦
C915R	123A♦
C917	383
C917K	161
C918	161
C918A	161
C921(Korea)	123AP
C921-O(Korea)	123AP
C921R(Korea)	123AP
C921Y(Korea)	123AP
C922	107
C922A	107
C922B	107
C922C	107
C922K	107
C922L	107
C922M	107
C923	199
C923A	199
C923B	199
C923C	199
C923D	199
C923E(Trans)	199
C923F	199
C923K(Trans)	199
C923P(Trans)	199
C923Q	199
C923R(Trans)	199
C923U	199
C924	107
C924E	107
C924F	107
C924M	107
C925(ECB)	123AP
C926	399
C926A	399
C926A(ECB)	287
C926AE	399
C926AE(ECB)	287
C927	161
C927A	161
C927B	161
C927C	161
C927CJ	161
C927CU	161
C927CW	161
C927D	161
C927DD	161
C927E	161
C928	161
C928B	161
C928C	161
C928D	161
C928E	161
C929	107
C929-0	107
C929B	107
C929C	107
C929C1	107
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C929D1	107
C929DE	107
C929DP	107
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C929DV	107
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C929F	107
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C929H	107
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C929NPD	107
C929NPE	107
C929NPF	107
C929SP	107
C929SPC	107
C929SPD	107
C929SPE	107
C929SPF	107
C930	107
C930B	107
C930BK	107
C930BV	107
C930C	107
C930CD	107
C930C-IF	107
C930CK	107
C930CL	107
C930CS	107
C930D	107
C930D1	107
C930D2	107
C930DE	107
C930DH	107
C930DS	107
C930DT	107
C930DT-2	107
C930DX	107
C930DZ	107
C930E	107
C930EP	107
C930ET	107
C930EV	107
C930EX	107
C930F	107
C930J	107
C930L	107
C930NP	107

♦, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
C930NPC	107
C930NPD	107
C930NPE	107
C930NPF	107
C930SP	107
C930SPC	107
C930SPD	107
C930SPE	107
C930SPF	107
C933	289A
C933BB	289A
C933C	289A
C933D	289A
C933E	289A
C933F	289A
C933FP	289A
C933FPC	289A
C933FPD	289A
C933FPE	289A
C933FPF	289A
C934	128
C934(rectifier)	117A
C934(Transistor)	123A
C934C	123A
C934D	123A
C934E	123A
C934F	123A
C934G	123A
C934P	123A
C935	162
C936	164
C936A	164
C937	389
C937(YL)	389
C937(BK)	389
C937-01	389
C937A	389
C937B	389
C937YL	389
C938	289A
C938A	289A
C938B	289A
C938C	289A
C939	328
C939D	328
C939L	328
C940	283
C940L	283
C940M	283
C940N	283
C940P	283
C940Q	283
C940-QR	283
C940R	283
C941	289A
C941-0	289A
C941-0Y	289A
C941-O	289A
C941-R	289A
C941R	289A
C941TM	289A
C941-TM(MID)	289A
C941TM-0	289A
C941-Y	289A
C941Y	289A
C941YO	289A
C942H2	1195
C943	123A
C943A	123A
C943B	123A
C943C	123A
C944	85
C944A	85
C944B	85
C944C	85
C944D	85
C944K	85
C944P	85
C944Q	85
C944R	85
C944S	85
C945	85
C945(R)	85
C945(Korea)	123AP
C945A	85
C945A/0	85
C945A/D	85
C945AK	85
C945AO	85
C945AP	85
C945A/P	85
C945AQ	85
C945AR	85
C945B	85
C945C	85
C945CK	85
C945D	85
C945E	85
C945F	85
C945G	85
C945G(Korea)	123AP
C945H	85
C945K	85
C945L	85
C945LK	85
C945LP	85
C945LPQ	85
C945LQ	85
C945LR(Trans)	85
C945M	85
C945-O	85
C945O	85
C945-O(Korea)	123AP
C945P	85
C945P1	85
C945P2	85
C945PO	85
C945P/O	85
C945P/Q	85
C945PQ	85
C945-Q	85
C945Q	85
C945QA	85
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C945QP	85
C945QR	85
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C945RQ	85
C945S	85
C945T	85
C945TK	85
C945TP	85
C945TQ	85
C945TR	85
C945U	85
C945X	85
C945Y	85
C945Y(Korea)	123AP
C945Z	85
C947	161
C948	161
C953	85
C953K	85
C957	319P
C959	396
C959A	128
C959B	128
C959C	128
C959D	128
C959M	128
C959S	128
C959SA	128
C959SB	128
C959SC	128
C959SD	128
C960	427/128
C960(JAPAN)	400/128
C960-0	123A
C960A	427/128
C960B	427/128
C960C	427/128
C960D	427/128
C960K	427/128
C960L	427/128
C960M	427/128
C960N	427/128
C960S	427/128
C960SA	427/128
C960SB	427/128
C960SC	427/128
C960SD	427/128
C963	123A
C964	123A
C965	123A
C966	123A
C967	123A
C968	123A
C968P	123A
C971(EBC)	293◆
C972	128
C972C	128
C972D	128
C972E	128
C973A	363◆
C975A	364◆
C979	123A
C979-O	123A
C979-R	123A
C979-Y	123A
C980	85
C980AG	85
C980AGO	85
C980AGY	85
C980G	85
C980GO	85
C980GY	85
C980O	85
C980Y	85
C982	172A
C983	399
C983A(ECB)	287
C983C(ECB)	287
C983FA-1(ECB)	287
C983-O(ECB)	287
C983-R(ECB)	287
C983R(ECB)	287
C983S(ECB)	287
C983-Y(ECB)	287
C983Y(ECB)	287
C984	128
C984A	128
C984B	128
C984C	128
C984H	128
C984HA	128
C984HB	128
C984HC	128
C991	311
C992	311
C993	123A
C993A	123A
C994	486
C994K	85
C995	154
C996	427/154
C997	161
C998	487
C998BY	487
C999	389
C999A	389
C1000	199
C1000-BL	199
C1000BL	199
C1000-GR	199
C1000GR	199
C1000Y	199
C1000-Y	199
C1001	278
C1001(IC)	1127
C1001H(IC)	1127
C1001H2(IC)	1127
C1004(TRANSISTOR)	164
C1004A(TRANSISTOR)	164
C1004A(Transistor)	164
C1004A(Transistor)	164
C1004T(Transistor)	164
C1005(TRANSISTOR)	165
C1005A(TRANSISTOR)	165
C1006(EBC)	199
C1006A(EBC)	199
C1006B(EBC)	199
C1006C(EBC)	199
C1007	123A
C1008	128
C1008(IC)	1172
C1008(Korea)	128P
C1008A	128
C1008C(IC)	1172
C1008-O(Korea)	128P
C1008R(Korea)	128P
C1008Y(Korea)	128P
C1009(Trans)	2408
C1009A(Trans)	2408
C1009AFA3(Trans)	2408
C1009AFA4(Trans)	2408
C1009F1(Trans)	2408
C1009F2(Trans)	2408
C1009F3(Trans)	2408
C1009F4(Trans)	2408
C1009F5(Trans)	2408
C1010(EBC)	199
C1010A(EBC)	199
C1010B(EBC)	199
C1010C(EBC)	199
C1012	154
C1012A	154
C1013	300
C1013B	300
C1013C	300
C1013D	300
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C1014B	300
C1014C	300
C1014C1	300
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C1014D1	300
C1014E	300
C1017	299
C1017-05	299
C1018	299
C1018-05	299
C1018B	210
C1020(IC)	1160
C1020H	1160
C1020H(IC)	1160
C1023	108
C1023(Japan)	107
C1023G	107
C1023-O	107
C1023Y	107
C1023-Y	107
C1024	175
C1024B	175
C1024C	175
C1024D	175
C1024-D2	175
C1024E	175
C1024F	175
C1025	175
C1025(IC)	1160
C1025CTV	175
C1025H	1160
C1025H(IC)	1160
C1025J	175
C1026	107
C1026G	107
C1026Y	107
C1027	163A
C1030	87
C1030A	87
C1030B	87
C1030C	87
C1030D	87
C1030H(IC)	1194
C1030P	280
C1031	286
C1031H	1245
C1032	107
C1032G	107
C1032H	1170
C1032P	9932
C1032Y	107
C1033	287
C1033A	287
C1033P	9933
C1034(TRANS)	356§
C1034A(TRANS)	356§
C1035	161
C1035C	161
C1035D	161
C1035E	161
C1035P	9935
C1036	161
C1036P	9936
C1043	76◆
C1044	161
C1044P	9944
C1045	164
C1045B	164
C1045C	164
C1045D	164
C1045E	164
C1045P	9945
C1045R	164
C1046	165
C1046P	9946
C1047	107
C1047B	107
C1047BC	107
C1047BCD	107
C1047BD	107
C1047C	107
C1047-C(Trans)	107
C1047CD	229
C1047D	107
C1047E	107
C1048	154
C1048B	154
C1048C	154
C1048D	154
C1048E	154
C1048F	154
C1050	94
C1050C	94
C1050D	94
C1050E	94
C1050F	94
C1051	280
C1051C	280
C1051D	280
C1051E	280
C1051F	280
C1051LC	280
C1051LD	280
C1051LE	280
C1051LF	280
C1052	128
C1052P	9099
C1053	128
C1053P	9093
C1054	161
C1055	384
C1055H	384
C1055U	384
C1056	154
C1057P	9157
C1058P	9158
C1059	124
C1060	152
C1060A	152
C1060B	152
C1060BM	152
C1060C	152
C1060D	152
C1061	152
C1061A	152
C1061B	152
C1061C	152
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C1061K	152
C1061T	152
C1061T-B	152
C1061TB	152
C1062	396
C1062KA	396
C1062KB	396
C1062KC	396
C1062KD	396
C1064R(Trans)	285
C1067	161
C1068	278
C1071	123A
C1072(Korea)	123AP
C1072-O(Korea)	123AP
C1072R(Korea)	123AP
C1072Y(Korea)	123AP
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C1075	364◆
C1076	365◆
C1078	369
C1079	280
C1079R	280
C1079Y	280
C1080	280
C1080R	280
C1080Y	280
C1083	346
C1085	123A
C1086	389
C1086M	389
C1089	375
C1089B	375
C1089BD	375
C1089C	375
C1089D	375
C1093/3ZL	165
C1095	186A
C1095(6)	186A
C1095L	186A
C1095M	186A
C1096	186A
C1096(3ZL)	186A
C1096(Korea)	186A
C1096(M)	186A
C1096-3SL	186A
C1096/3ZL	186A
C1096-3ZL	186A
C1096-3ZM	186A
C1096-4Z-L	186A
C1096A	186A
C1096B	186A
C1096C	186A
C1096D	186A
C1096E	186A
C1096K	186A
C1096L	186A
C1096LM	186A
C1096M	186A
C1096N	186A
C1096-O	186A
C1096-O(Trans)	186A
C1096R	186A
C1096S	186A
C1096W	186A
C1096ZL	186A
C1098	186
C1098(Korea)	186
C1098(4)L	186
C1098(4)K	186
C1098-4K	186
C1098-4L	186
C1098A	186
C1098B	186
C1098C	186A
C1098D	186
C1098K	186
C1098L	186
C1098M	186
C1098-O	186
C1098R	186
C1100	389
C1101	164
C1101A	164
C1101B	164
C1101C	164
C1101D	164
C1101E	164
C1101F	164
C1101L	164
C1102	124
C1102(M)	124
C1102A	124
C1102B	124
C1102C	124
C1102K	124
C1102L	124
C1102M	124
C1103	154
C1103(A)	154
C1103A	154
C1103B	154
C1103C	154
C1103L	154
C1104	286
C1104A	286
C1104B	286
C1104C	286
C1104K	286
C1104L	286
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C1105A	124
C1105B	124
C1105C	124
C1105K	124
C1105L	124
C1105M	124
C1106	94
C1106A	94
C1106B	94
C1106C	94
C1106K	94
C1106L	94
C1106M	94
C1106P	94
C1106Q	94
C1106R	94
C1107	291
C1107Q	291
C1108	291
C1109	291
C1110	87
C1111	87
C1112	87
C1113	384
C1114	283
C1115	280
C1116	284
C1116-0	284
C1116A	284
C1117	161
C1117H	161
C1120APC120X2..	A40240
C1120APC120X10	A40240
C1120APC120X25	A40240
C1120APC120X40	A40240
C1120APC240X2..	A40240
C1120APC240X10	A40240
C1120APC240X25	A40240
C1120APC240X40	A40240
C1120APC330X2..	A25480
C1120APC330X10	A25480
C1120APC330X25	A25480
C1120APC480X2..	A25480
C1120APC480X10	A25480
C1120APC480X25	A25480
C1123	123AP
C1124	190
C1124E	190
C1124JA	190
C1124JD	190
C1126	229
C1127	171
C1127E	171
C1127H	171
C1127HE	171
C1127JR	171
C1128	161
C1128(M)	229
C1128(3rd IF)	233
C1128(S)	229
C1128C	229
C1128D	229
C1128H	229
C1129	229
C1129(M)	229
C1129(R)	229
C1129R	229
C1140	386
C1141	386
C1142	283
C1143	283
C1150	128
C1151	164
C1151A	164
C1152	162
C1152F	162
C1152G	162
C1153	389
C1153A	389
C1154	389
C1154H	1194
C1155(IC)	1194
C1155H(IC)	1194
C1155H(NEC)	1194
C1156(TRANSISTOR)	190
C1156(IC)	1194
C1156H	1194
C1156H(IC)	1194
C1156H2(IC)	1194
C1157	190
C1158	313◆
C1159	313◆
C1160	175
C1160K	175
C1160L	175
C1161	175
C1165	311
C1165RG	486
C1166	289A
C1166-0	289A
C1166D	289A
C1166GR	289A
C1166O	289A
C1166-O	289A
C1166R	289A
C1166X	289A
C1166Y	289A
C1166-Y	289A
C1167	389
C1168	124
C1168X	124
C1169	427/488
C1170	389
C1170A	238
C1170B	389
C1170B/FA-2	389
C1171	164
C1172	238
C1172A	238
C1172B	238
C1173	152
C1173(RF PWR)	236
C1173-0	152
C1173A	152
C1173C	152
C1173-GR	152
C1173L	152
C1173M	152
C1173-O	152
C1173R	152
C1173-R	152
C1173X	152
C1173X0	152
C1173-Y	152
C1173Y	152
C1173Y(Audio)	152
C1174	389
C1175	289A
C1175C	289A
C1175D	289A
C1175E	289A
C1175F	289A
C1176	350◆
C1176A	350◆
C1178A	351◆
C1180	161
C1181H(IC)	1285
C1182B	161
C1182C	161
C1182D	161
C1182H(IC)	1286
C1184	164
C1184A	164
C1184B	164
C1184C	164
C1184D	164
C1184E	164
C1185	162
C1185A	162
C1185B	162
C1185C	162
C1185H(IC)	1293
C1185H2(IC)	1293
C1185K	162
C1185L	162
C1185M	162
C1187	229
C1187(Korea)	108
C1187-0	229
C1187-O(Korea)	108
C1187-R	229
C1187R(Korea)	108
C1188	229
C1188(Korea)	108
C1188H(IC)	1724
C1188K	229
C1188L	229
C1188M	229
C1188-O(Korea)	108
C1188R(Korea)	108
C1189K	229
C1189L	229
C1189M	229
C1190	350◆
C1195	94
C1195/FA-1	94
C1195FA-1	94
C1199	278
C1204	289A
C1204B	289A
C1204C	289A
C1204D	199
C1205	289A
C1205A	289A
C1205B	289A
C1205C	289A
C1209(BCE)	85
C1209C(BCE)	85
C1209D(BCE)	85
C1209E(BCE)	85
C1210(BCE)	85
C1210C(BCE)	85
C1210D(BCE)	85
C1210E(BCE)	85
C1211(BCE)	85
C1211C(BCE)	85
C1211D(BCE)	85
C1211E(BCE)	85
C1212	373
C1212A	373
C1212AA	373
C1212AB	373
C1212ABWT	373
C1212AC	373
C1212ACWT	373
C1212AWT	373
C1212AWTA	373
C1212AWTB	373
C1212AWTC	373
C1212B	373
C1212C	373
C1212C(IC)	1516
C1212WT	373
C1212WTA	373
C1212WTB	373
C1212WTC	373
C1213	123AP
C1213(BCE)	199
C1213A	289A
C1213AA	289A
C1213AB	289A
C1213AC	289A
C1213AD	289A
C1213AK	289A
C1213AKA	289A
C1213AKB	289A
C1213AKC	289A
C1213AKD	289A
C1213B	289A
C1213BC	289A
C1213C	289A
C1213CD	289A
C1213D	289A
C1213D-24(Trans)	289A
C1213F(BCE)	199
C1213G(BCE)	199
C1213H(BCE)	199
C1213-O	123AP
C1213R	123AP
C1213Y	123AP
C1213Y(BCE)	199
C1213YE(BCE)	199
C1213YG(BCE)	199
C1213YH(BCE)	199
C1214	289A
C1214A	289A
C1214B	289A
C1214C	289A
C1214D	289A
C1215	199
C1215R	107
C1215S	107
C1215T	107
C1219	289A
C1220	289A
C1220-003	289A
C1220E	289A
C1220F	289A
C1222	199
C1222A	199
C1222B	199
C1222C	199
C1222D	199
C1222E	199
C1222F	199
C1222U	199
C1226	186A
C1226-0	186A
C1226A	186A
C1226AC	186A
C1226AO	186A
C1226AP	186A
C1226AQ	186A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
C1226AR	186A
C1226ARL	186A
C1226B	186A
C1226C	186A
C1226CF	186A
C1226D	186A
C1226F	186A
C1226L	186A
C1226-O	186A
C1226P	186A
C1226Q	186A
C1226QR	186A
C1226R	186A
C1226RL	186A
C1226RLP	186A
C1226RL-P	186A
C1226RLQ	186A
C1226RLR	186A
C1227F	385
C1228	385◆
C1230	385◆
C1235	124
C1237	235
C1237E	235
C1237H	235
C1237K	235
C1238(IC)	1378
C1238V(IC)	1378
C1239	427/282§
C1240APC120X2	A40240
C1240APC120X10	A40240
C1240APC120X25	A40240
C1240APC120X40	A40240
C1240APC240X2	A40240
C1240APC240X10	A40240
C1240APC240X25	A40240
C1240APC240X40	A40240
C1240APC330X2	A25480
C1240APC330X10	A25480
C1240APC330X25	A25480
C1240APC480X2	A25480
C1240APC480X10	A25480
C1240APC480X25	A25480
C1243	300
C1243-24	300
C1243C	300
C1243C1	300
C1243C2	300
C1243D	300
C1243D1	300
C1243D2	300
C1243E	300
C1244	123A
C1246	289A
C1246A	289A
C1246AB	289A
C1246AF	289A
C1246AFB	289A
C1246AFG	289A
C1246AFV	289A
C1246AG	289A
C1246AV	289A
C1246F	289A
C1247	289A
C1247A	289A
C1247AB	289A
C1247AF	289A
C1247AFB	289A
C1247AFG	289A
C1247AFV	289A
C1247AG	289A
C1247AV	289A
C1247F	289A
C1251C(IC)	928M
C1252	77
C1253	278
C1275	316
C1278(ECB)	194
C1278S(ECB)	194
C1279(ECB)	287
C1279S(ECB)	287
C1279SF(Trans)	287
C1279SH(Trans)	287
C1280	172A
C1280A	172A
C1280AS	172A
C1280S	172A
C1284	107
C1284C	107
C1284D	107
C1284E	107
C1284F	107
C1285S	289A
C1293A	107
C1293A(Last IF)	233
C1293A(3RD IF)(ECB)	233
C1293B	107
C1293B(Last IF)	233
C1293B(3RD IF)(ECB)	233
C1293C(3RD IF)(ECB)	233
C1293D	107
C1295	389
C1295A	389
C1295-O	389
C1296	165
C1303	473
C1303-Q	474
C1304	286
C1304BK	286
C1306	235
C1306/1	235
C1306-1	235
C1306I	199
C1306K	235
C1306Q	235
C1307	236
C1307-1	236
C1307I	236
C1307K	236
C1308	238
C1308K	238
C1308N	238
C1309	165
C1310	85
C1310D	85
C1310E	85
C1310F	85
C1310G	199
C1311	85
C1311D	85
C1311E	85
C1311F	85
C1311G	199
C1312(BCE)	199
C1312E(BCE)	199
C1312F(BCE)	199
C1312G(BCE)	199
C1312H(BCE)	199
C1312R(BCE)	199
C1312Y(BCE)	199
C1312YF(BCE)	199
C1312YG(BCE)	199
C1312YH(BCE)	199
C1313	199
C1313F	199
C1313G	199
C1313H	199
C1313Y	199
C1313YF	199
C1313YF(BCE)	199
C1313YG	199
C1313YH	199
C1315	278
C1316	277§
C1317	289A
C1317B	289A
C1317D	289A
C1317NC(Trans)	289A
C1317P	289A
C1317Q	289A
C1317R	289A
C1317S	289A
C1317T	289A
C1318	289A
C1318A	289A
C1318C	297
C1318NC	289A
C1318P	289A
C1318PQR	289A
C1318Q	289A
C1318QR	289A
C1318R	289A
C1318S	289A
C1318T	289A
C1318X	289A
C1324	278
C1325	238
C1325A	238
C1325AK	238
C1325AL	238
C1326	311
C1327	199
C1327FS	199
C1327R	199
C1327S	199
C1327T	199
C1327T/U	199
C1327TV	199
C1327U	199
C1327XAN	199
C1327Y	199
C1328	199
C1328R	199
C1328S	199
C1328T	199
C1328U	199
C1330	192A
C1330(Korea)	123AP
C1330A	192A
C1330B	192A
C1330C	192A
C1330D	192A
C1330G(Korea)	123AP
C1330L	192A
C1330-O(Korea)	123AP
C1330R	192A
C1330Y(Korea)	123AP
C1332	388
C1335	289A
C1335A	199
C1335B	199
C1335C	199
C1335D	199
C1335E	199
C1335F	199
C1336Q	186A
C1341	229
C1342	107
C1342A	107
C1342B	107
C1342C	107
C1343	280
C1343-05	280
C1343A	280
C1343B	280
c1343C	280
C1343H	280
C1343HA	280
C1343HB	280
C1344	199
C1344C	199
C1344D	199
C1344E	199
C1344F	199
C1344KD	199
C1344KE	199
C1344KF	199
C1345	199
C1345C	199
C1345F	199
C1345K	199
C1346	192A
C1346P	192A
C1346R	192A
C1346S	192A
C1347	192A
C1347P	192A
C1347Q	192
C1347R	192
C1347S	192
C1348	389
C1353C	1246
C1356(IC)	1483
C1356C2	1483
C1356C2(IC)	1483
C1358	165
C1358K	165
C1358L	238
C1358M	238
C1358P	165
C1358Q	165
C1358R	165
C1359	85
C1359A	85
C1359B	85
C1359BC	85
C1359C	85
C1359D	85
C1359Q	85
C1360(Trans)	293◆
C1361	289A
C1362	123AP
C1363	289A
C1364	85
C1364-4	85
C1364-5	85
C1364-6	85
C1364-7	85
C1364A	85
C1364P	85
C1365	278◆
C1367	164
C1367A	164
C1368B	184
C1368C	184
C1369	199
C1372	289A
C1372B	289A
C1372G	289A
C1372V	289A
C1372Y	289A
C1375	123A
C1375H	123A
C1376H	311
C1377	236
C1377C(IC)	1664
C1378H(IC)	1676
C1379C(IC)	1661
C1380	123A
C1380(IC)	1196
C1380A	123A
C1380AGR	123A
C1380C	1196
C1380C(IC)	1196
C1380GR	123A
C1382	373
C1382-0	373
C1382C(IC)	1616
C1382-O	373
C1382Y	373
C1383	293
C1383B	293
C1383C	293
C1383NC	293
C1383NCP	293
C1383NCPQR	293
C1383NCQ	293
C1383NCR	293
C1383P	293
C1383PQR	293
C1383Q	293
C1383-QR(Trans)	293
C1383R	293
C1383RS	293
C1383S	293
C1383X	293
C1384	293
C1384NC	293
C1384P	293
C1384Q	293
C1384R	293
C1384S	293
C1385H	123A◆
C1386	128
C1386C	184
C1386H	128
C1387	278
C1388	128
C1390A	123A
C1390F	123A
C1390H	123A
C1390I	123A
C1390J	123A
C1390K	123A
C1390V	123A
C1390W	123A
C1390WH	123A
C1390WI	123A
C1390WX	123A
C1390WY	123A
C1390X	123A
C1390XJ	123A
C1390XK	123A
C1390YM	123A
C1391	124
C1391H(IC)	1668
C1391VL	124
C1393	229
C1393A	69
C1393A-O	69
C1393AR	69
C1393K	229
C1393L	229
C1393M	229
C1394	229
C1394A	69
C1394C(IC)	1678
C1394K	229
C1394L	229
C1394M	229
C1395	108
C1395(BEC)	107
C1395R	108
C1396	108
C1396(BEC)	107
C1396M(BEC)	107
C1396R	108
C1398	152
C1398A	196
C1398AP	196
C1398AQ	196
C1398O	152
C1398P	152
C1398Q	152
C1399U	306
C1400	194
C1400U	306
C1402	280
C1403	87
C1403A	87
C1406(ECB)	192
C1406P(ECB)	192
C1406Q(ECB)	192
C1406R(ECB)	192
C1406S(ECB)	192
C1406X(ECB)	192
C1407(ECB)	192
C1407P(ECB)	192
C1407Q(ECB)	192
C1407R(ECB)	192
C1407S(ECB)	192
C1407X(ECB)	192
C1409	375
C1409A	375
C1409AA	375
C1409AB	375
C1409AC	375
C1409B	375
C1409C	375
C1410	375
C1410A	375
C1410AA	375
C1410AB	375
C1410AC	375
C1410B	375
C1410C	375
C1411	123A
C1413	165
C1413A	165
C1413AH	165
C1413AV(Trans)	165
C1416	123A
C1416BL	123A
C1417	107
C1417C	107
C1417D	107
C1417D(U)	107
C1417DU	107
C1417F	107
C1417G	107
C1417H	107
C1417U	107
C1417V	107
C1417VW	107
C1417W	107
C1418	152
C1418A	152
C1418B	152
C1418C	152
C1418D	152
C1419	152
C1419A	152
C1419B	152
C1419C	152
C1419D	152
C1424	316
C1429	152
C1429-1	152
C1429-2	152
C1431	286◆
C1431-1	286◆
C1431-2	286◆
C1433	283
C1434	386
C1436	386
C1437	100
C1438(ECB)	194
C1439(ECB)	194
C1440	386
C1441	386
C1444	196
C1445	196
C1446	376
C1446B	376
C1446C	376
C1446L	376
C1446LB	376
C1446LB11	198
C1446LL	376
C1446P	376
C1446PQ	376
C1446Q	376
C1446R	376
C1447	376
C1447-0	376
C1447A	376
C1447BK	376
C1447/FA-2	376
C1447GL3	376
C1447LB	376
C1447-O	376
C1447R	376
C1448	375
C1448A	375
C1448LB	375
C1448P	375
C1448Q	375
C1448R	375
C1448S	375
C1449	184
C1449(C.B.)	295
C1449I	184◆
C1449L	184
C1449M	184
C1449N	184
C1450	286
C1450S	286
C1454	94
C1454-0	94
C1456K	124
C1458	778A
C1458C(IC)	778A
C1463	385◆
C1466	369
C1467	369◆
C1468(Trans)	53
C1469(Trans)	53
C1472K	172A
C1472KA	172A
C1472KB	172A
C1473	399
C1473A(Trans)	399
C1473AH(Trans)	399
C1473AP(Trans)	399
C1473AQ(Trans)	399
C1473AR(Trans)	399
C1473N(Trans)	399
C1473NC	399
C1473NCQ	399
C1473P	399
C1473Q	399
C1473R	399
C1475	315
C1475-1	315
C1475-2	315
C1475-3	315
C1475-4	315
C1475A	315
C1475D	315
C1475E	315
C1475H	315
C1475HE	315
C1475J	315
C1475K	315
C1477	283
C1485	287
C1501	157
C1501P	157
C1501Q	157
C1501R	157
C1504	162
C1505	198
C1505(I)	198
C1505-1	198
C1505A	198
C1505I	198
C1505K	198
C1505L	198
C1505LA	198
C1505M	198
C1506	198
C1506K	198
C1506L	198
C1506M	198
C1507	198
C1507A	198
C1507H	198
C1507I	198
C1507K	198
C1507L	198
C1507LK	198
C1507LM	198
C1507M	198
C1507R	198
C1507Y	198
C1509	297
C1509P	297
C1509Q	297
C1509R	297
C1509S	297
C1513	278
C1514	376
C1514-05	376
C1514-14	376
C1514-15(Trans)	376
C1514B	376
C1514BK	198
C1514BVC	376
C1514CS	375
C1514CVC	376
C1514E	376
C1514V(Trans)	376
C1514VC(TRANS)	376
C1515(ECB)	287
C1515C(ECB)	287
C1515K(ECB)	287
C1516	186A
C1516K	186A
C1516KB	186A
C1516KC	186A
C1516KD	186A
C1517A	228A
C1517AK	228A
C1517AKB	228A
C1517AKC	228A
C1518	293
C1518R	293
C1518S	293
C1519	198
C1520	198
C1520-1	198
C1520-1A	198
C1520-3(Trans)	198
C1520-3A	198
C1520E	198
C1520EK	198
C1520EX	198
C1520I	198
C1520K	198
C1520K-1	198
C1520KL	198
C1520KLE	198
C1520L	198
C1520L-1	198
C1520M	198
C1520M-1	198
C1520-O(Trans)	198
C1521	198◆
C1521K	198◆
C1521L	198
C1521LM	198
C1521M	198◆
C1522	376
C1537	199
C1537B	199
C1537-O	199
C1537S	199
C1538	199
C1538A	199
C1538S	199
C1538SA	199
C1541E	199
C1542	199
C1545	172A
C1545A(TRANS)	172A◆
C1545B(TRANS)	172A◆
C1546	172A
C1547	161
C1555C(IC)	955M
C1565	373
C1565P	373
C1565Q	373
C1565R	373
C1566	157#
C1566F	228A
C1567	373#
C1567A	373#
C1567AP	373#
C1567AQ	373#
C1567AR	373#
C1567P	373#
C1567Q	373#
C1567R	373#
C1568	373#
C1568P	373#
C1568Q	373#
C1568R	373#
C1569	376
C1569-0	198
C1569BK	376
C1569/FA-1	376
C1569-FA3	376
C1569/FA-3	376
C1569-FA4	376
C1569/FA-5	376
C1569K	376
C1569L(Trans)	376
C1569LB	376
C1569LBO	376
C1569LBQ	376
C1569LBR	376
C1569LBY	376
C1569-O	376
C1569O	376
C1569Q	376
C1569-R	376
C1569R	376
C1569-Y	376
C1569Y	376
C1570	199
C1570F(Trans)	199
C1570G	199
C1570GL	199
C1570H(Trans)	199
C1570HL	199
C1570LG	199
C1570LH	199
C1571	199
C1571F(Trans)	199
C1571FL	199
C1571G	199
C1571H	199
C1571L	199
C1571LG	199
C1571LH	199
C1573	399
C1573A	399
C1573AP(Trans)	399
C1573AQ(Trans)	399
C1573AR(Trans)	399
C1573NC	399
C1573P	399
C1573Q	399
C1573R(Trans)	399
C1576	283
C1577	386
C1578	386
C1579	386
C1580	386
C1583(TRANS)	42
C1583F(TRANS)	42
C1583G(TRANS)	42
C1583H(TRANS)	42
C1584	284
C1585	388
C1585F	388
C1585H	388
C1586	388
C1588	278
C1589	474
C1589KL	474
C1610	327
C1613(ECB)	287◆
C1613N(ECB)	287◆
C1613P(ECB)	287◆
C1614(ECB)	287◆
C1614N(ECB)	287◆
C1614P(ECB)	287◆
C1615(ECB)	287◆
C1615N(ECB)	287◆
C1615P(ECB)	287◆
C1617	283
C1618	87
C1618B	87
C1618G	87
C1619	87
C1619A	87
C1620-Y	190
C1622(Trans)	2408
C1622A(Trans)	2410
C1622AD15(Trans)	2410
C1622AD16(Trans)	2410
C1622D6(Trans)	2408
C1622D7(Trans)	2408
C1623(Trans)	2408
C1623L4(Trans)	2408
C1623L5(Trans)	2408
C1623L6(Trans)	2408
C1623L7(Trans)	2408
C1624	291
C1624-O	291
C1624T	291
C1624-Y	291
C1624Y	291
C1625	291
C1625-0	291
C1625-LBGL1	291
C1625-O	291
C1625Y	291
C1625YLBGL	291
C1625YLBGL1	291
C1626	375
C1626-O	375
C1626-Y	375
C1626Y	375
C1627	289A
C1627-0	289A
C1627A	297
C1627AO	297
C1627AY	297
C1627O	297
C1627-Y	289A
C1627Y	289A
C1627-YFA(Trans)	289A
C1628	190
C1628-O	190
C1628-Y	190
C1629	86
C1629A	86
C1629AR(Trans)	86
C1629M	86
C1630	154
C1632	85
C1632-5	85
C1632-6	85
C1632-7	85
C1633	85
C1633-5	85
C1633-6	85
C1633-7	85
C1634	85
C1634-5	85
C1634-6	85
C1634-7	85
C1634B	85
C1634HC	85
C1634P	85
C1634Y	85
C1635	128
C1636	199
C1636E	108
C1636H	108
C1636Ja	108
C1636JA	108
C1636JG	108

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
C1636JK	108
C1637	199◆
C1639	123A
C1641	123A
C1641D	123A
C1641Q	123A
C1641R	108
C1645(TRANS)	172A
C1645A(TRANS)	172A
C1645B(TRANS)	172A
C1647	199
C1647Q	199
C1647R	199
C1647RY	199
C1648	199
C1648E	199
C1648EF	199
C1648EY	199
C1648RT	199
C1648S	199
C1648SE	199
C1648SH	199
C1649(ECB)	287
C1649N(ECB)	287
C1649P(ECB)	287
C1650(ECB)	287
C1650N(ECB)	287
C1650P(ECB)	287
C1651(ECB)	287
C1651N(ECB)	287
C1651P(ECB)	287
C1652(TRANS)	85◆
C1652(Trans)	18◆
C1652M	18
C1652MP	18
C1652MQ	18
C1652MR	18
C1652P	18◆
C1652P(TRANS)	85◆
C1652Q	18◆
C1652Q(TRANS)	85◆
C1652R	18◆
C1653(Trans)	2410
C1653N2(Trans)	2410
C1653N3(Trans)	2410
C1654(Trans)	2410
C1654N5(Trans)	2410
C1654N6(Trans)	2410
C1663	190
C1663A	190
C1663H	190
C1664(TRANS)	57
C1664A(TRANS)	57
C1667	130
C1667Q	130
C1667R	130
C1668	351◆
C1669	375
C1669-0	375
C1669-R	375
C1669-Y	375
C1670	382◆
C1670E	382◆
C1670H	382◆
C1670Ha	382◆
C1670HM	382◆
C1670J	382◆
C1670JA	382◆
C1670JC	382◆
C1670JD	382◆
C1670JE	382◆
C1670JW	382◆
C1670K	382◆
C1670M	382◆
C1670MC	382
C1670MD	287
C1670MJ	287
C1672	327
C1674	107
C1674(Korea)	108
C1674K	107
C1674L	107
C1674-M	107
C1674M	107
C1674-O(Korea)	108
C1674R(Korea)	108
C1675	85
C1675(L)	85
C1675(Korea)	123AP
C1675B	85
C1675K	85
C1675K2	85
C1675KZ	85
C1675L	85
C1675M	85
C1675-O(Korea)	123AP
C1675R	229
C1675R(Korea)	123AP
C1675Y(Korea)	123AP
C1675Z	85
C1678	236
C1678b	236
C1678B	236
C1678C	236
C1678D	236
C1678E	236
C1678H	236
C1678I	236
C1678J	236
C1678L	236
C1678N	236
C1678-O	236
C1678T	236
C1679	236
C1681	199
C1681B	199
C1681BL	199
C1681G	199
C1681GR	199
C1681O	199
C1681O-1	199
C1681V	199
C1682	199
C1682-BL	199
C1682-GR	199
C1682V	199
C1683	375
C1683A	375
C1683B(Trans)	375
C1683L(Trans)	375
C1683LA	375
C1683LB	375
C1683LB/P	375
C1683LD	375
C1683P	375
C1683Q	375
C1683R	375
C1684	289A
C1684BL	289A
C1684H(Trans)	289A
C1684HR	289A
C1684-O	289A
C1684P	289A
C1684Q	289A
C1684QR	199
C1684R	289A
C1684RST	199
C1684S	199
C1684T	199
C1685	85
C1685-0	85
C1685C(Trans)	85
C1685CR	85
C1685GR	85
C1685P	85
C1685Q	85
C1685-Q(Trans)	85
C1685QR(Trans)	85
C1685QRS(Trans)	85
C1685R	85
C1685RS	85
C1685S	199
C1685ST	199
C1685T	199
C1685Y	85
C1686(CEB)	229
C1686B(CEB)	229
C1686C(CEB)	229
C1686LL(CEB)	229
C1686V(CEB)	229
C1687	229
C1687(Last IF)	233
C1687C	229
C1687LL	229
C1687Q	229
C1688	229◆
C1692A	86
C1695	229
C1706H	287
C1707AH	123A
C1707AHB	123A
C1707AHC	123A
C1707AHD	123A
C1707H	123A
C1707HB	123A
C1707HC	123A
C1707HD	123A
C1708(BCE)	90
C1708A(BCE)	90
C1709	123AP
C1714E	107
C1717	237
C1721	293
C1722	376◆
C1722BK	376◆
C1722BKS	376◆
C1722S	376◆
C1723	376◆
C1723-02	376◆
C1723A	376◆
C1728	302
C1728-3	302
C1728D	302
C1728H	302
C1730	107
C1730(L)	107
C1730K	107
C1730L	107
C1730-O	107
C1730R	107
C1734H	123A
C1735(BCE)	289A
C1735C(BCE)	289A
C1735D(BCE)	289A
C1736	199
C1737	199
C1738	199
C1739	123A
C1740	85
C1740C	85
C1740D	85
C1740E	289A
C1740L	85
C1740LN	85
C1740LNS	85
C1740P	85
C1740Q	85
C1740QV(Trans)	85
C1740R	85
C1740RE	85
C1740RL	85
C1740RM	85
C1740RV(Trans)	85
C1740S	85
C1741	85
C1741AP(Trans)	85
C1741P	85
C1741Q	85
C1741R	289A
C1748	396
C1749	376
C1749B	376
C1749C	376
C1749D	376
C1749E	376
C1749XD	376
C1752	287
C1753	287
C1755	376
C1755A	376
C1755C	376
C1755D	376
C1755E(Trans)	376
C1756	376
C1756A	376
C1756B	376
C1756C	376
C1756D	376
C1756E	376
C1756HP(Trans)	376
C1756K	376
C1756M	376
C1756MC	376
C1756N	376
C1756-O	376
C1757	376
C1757C(Trans)	376
C1757D(Trans)	376
C1757E(Trans)	376
C1758	171
C1758-K	171
C1758-L	171
C1758-M	171
C1758-N	171
C1760	306
C1760/2	306
C1760-2	306
C1760-3	306
C1760/4	306
C1760-4	306
C1760E	306
C1760H	306
C1760HY	306
C1760JA	306
C1761(Trans)	306◆
C1763	471◆
C1764	471
C1766	85
C1766B	85
C1766C	85
C1766D	85
C1766E	199
C1766F	199
C1768	86
C1773	123AP
C1774	123AP
C1776	123AP
C1777	87
C1778(CEB)	69
C1779(CEB)	319P
C1779-A(CEB)	319P
C1779-B(CEB)	319P
C1780(BCE)	278
C1781H	123A
C1782	87
C1783	87
C1784	284
C1785	388
C1786	388
C1787	26
C1787S(Trans)	26
C1787T(Trans)	26
C1788	289A
C1788P	289A
C1788Q	289A
C1788R	289A
C1789	107
C1789A	107
C1789B	107
C1790	316
C1807	311
C1809(TRANS)	107
C1809M(TRANS)	107
C1809N(TRANS)	107
C1809P(TRANS)	107
C1810	80
C1811	399
C1815	85
C1815-0	85
C1815BE	85
C1815BL	85
C1815G	85
C1815GR	85
C1815O	85
C1815-OFA	85
C1815R	85
C1815Y	85
C1815-YFA(Trans)	85
C1815YW	85
C1816	236◆
C1816(HORZ)	379
C1816E	236◆
C1816H	236◆
C1816HM	236◆
C1817	236◆
C1818	280
C1819	376
C1819L(Trans)	376
C1819M	376
C1819P(Trans)	376
C1819RL	376
C1826	241
C1826-0	196
C1826D	196
C1826F	196
C1826G	196
C1826O	196
C1826P	196
C1826Q	196
C1826R	196
C1826Y	196
C1827	291
C1827Y(Trans)	291
C1828	369
C1828B	369
C1828R	369
C1829	86
C1829C	86
C1832	98
C1833	85
C1834	85
C1840	199
C1840-E	199
C1840E(Trans)	199
C1840-F	199
C1840F(Trans)	199
C1840-P	199
C1840P(Trans)	199
C1841	90
C1841E	90
C1841F(Trans)	90
C1841P	90
C1841U	90
C1842(TRANS)	199
C1842E(TRANS)	199
C1842F(TRANS)	199
C1842P(TRANS)	199
C1842U(Trans)	199
C1843(TRANS)	199
C1843E(TRANS)	199
C1843F(TRANS)	199
C1843P(TRANS)	199
C1844	199
C1844-E	199
C1844E(Trans)	199
C1844-F	199
C1844F(Trans)	199
C1844-P	199
C1844P(Trans)	199
C1845P(Trans)	90
C1846	373#
C1846B	373#
C1846P	373#
C1846-Q	373#
C1846Q	373#
C1846R	373#
C1846-Y	373#
C1847	373#
C1847-0	373#
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C1847QBF	373
C1847QR	373#
C1847R	373#
C1847V	373#
C1847VQ	373#
C1847VR	373#
C1848	186A
C1848O	186A
C1848P	186A
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C1850	123AP
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C1851P	123AP
C1851Q	123AP
C1851R	123AP
C1851S	123AP
C1852	123AP
C1852P	123AP
C1852Q	123AP
C1852R	123AP
C1852S	123AP
C1853	85
C1853B	85
C1853C	85
C1854	85
C1854C	85
C1854R	85
C1854S	85
C1855	229
C1856	229
C1856M	229◆
C1860	282§
C1860K	282§
C1860-L	282§
C1860-M	282§
C1863	384
C1864	384
C1865P	85
C1866	328
C1867	385
C1868	385
C1869	328
C1870	388
C1871	385
C1871A	386
C1875	389
C1875K	389
C1875L	389
C1881K	261
C1885	399
C1885NC	399
C1885R	399
C1890	199
C1890A	199◆
C1890AD	90
C1890AE	375
C1890AEF	90
C1890A-EV(Trans)	90
C1890AF	90◆
C1890C	90
C1890E	375
C1890F	90◆
C1891	389
C1892	389
C1893	389
C1893FA-1	389
C1894	238
C1894K	238
C1894N	238
C1895	238
C1896	238
C1900	90
C1903	373
C1904	373
C1905	198
C1905(LB)	198
C1905(1)(Trans)	198
C1905H	198
C1905HLB	198
C1905LB	198
C1906	107
C1906A	107◆
C1906B	107◆
C1906F(Trans)	107
C1906K	107◆
C1907	107
C1908(BCE)	229
C1908E(BCE)	229
C1908H(BCE)	229
C1909	235
C1909K	235
C1909R	235
C1909S	235
C1913	375
C1913A	375
C1913P	375
C1913Q	375
C1913R	375
C1913S	375
C1914(BCE)	199◆
C1914A	90
C1914A(BCE)	199◆
C1915(BCE)	199◆
C1919(BCE)	199
C1919F(BCE)	199
C1919G(BCE)	199
C1919H(BCE)	199
C1921	399
C1921-03	399
C1922	389◆
C1923(Trans)	107
C1923-0(Trans)	107
C1923A(Trans)	107
C1923BN(Trans)	107
C1923-O(Trans)	107
C1923O(Trans)	107
C1923P(Trans)	107
C1923-P(Trans)	107
C1923R(Trans)	107
C1923-R(Trans)	107
C1923-Y	229
C1923Y(Trans)	107
C1929	198
C1929Q	198
C1929R	198
C1929S	198
C1934A-O	69
C1934AR	69
C1940(Trans)	399
C1940K(Trans)	399
C1940M(Trans)	399
C1941	399
C1941K(ECB)	287
C1941L(ECB)	287
C1941M(ECB)	287
C1942	389◆
C1942-07	165
C1944	236
C1945A	236
C1945U(Trans)	90
C1951	382◆
C1953	373#
C1953P	373#
C1953Q	373#
C1953R	373#
C1955	488
C1955R	488
C1957	295
C1957B	295
C1957K	295
C1957Q	295
C1959	85
C1959O	85
C1959-O	85
C1959Y	85
C1959-Y	85
C1960	85
C1962	191
C1962-0	191
C1962H	191
C1962-O	191
C1963	83◆
C1964	236
C1964D	236
C1969	236
C1969A	236
C1969AH	236
C1969B	236
C1969BH	236
C1969C	236
C1969H	236
C1969X	236
C1970	342◆
C1972	343
C1974	236
C1974-5	236
C1974C	236
C1975	235
C1975Q	235
C1980R	90
C1980S	290A
C1980T	290A
C1980U	290A
C1982S	282§
C1983(TRANS)	56
C1983M(Trans)	56
C1983O(Trans)	56
C1983Q(Trans)	56
C1983R(Trans)	56
C1983Y(Trans)	56
C1984(TRANS)	56
C1985	196
C1986	331
C1986D	331
C1990B	107
C1990C	229
C2000	85
C2000K	85
C2000-K	85
C2000L	85
C2000-L	85
C2000-M	85
C2000M	85
C2001	85
C2001F(Trans)	85
C2001G(Trans)	85
C2001K	85
C2001-K	85
C2001-L	85
C2001L	85
C2001-M	85
C2001M	85
C2002	85
C2002(IC)	1232
C2002(TRANS)	297
C2002(TRANSISTOR)	297
C2002-K	85
C2002K	85
C2002L	85
C2002-L	85
C2002M	85
C2002-M	85
C2003	85
C2003-K	85
C2003K	85
C2003-L	85
C2003L	85
C2003M	85
C2003-M	85
C2003P(HEP)	OBS-NLA
C2005P(HEP)	9989
C2007G	9911
C2009	229
C2009J	229
C2012	107
C2014	363
C2017	386
C2018	386
C2019	386
C2020	235
C2021	85
C2021(Trans)	16◆
C2021E	85
C2021LN	16◆
C2021LNP	16◆
C2021LNS	16◆
C2021M	16
C2021MLN	16
C2021MLNP	16
C2021MLNS	16
C2021MQ	16
C2021MR	16
C2021NLMS	16
C2021Q	16◆
C2021R	16◆
C2021RG	85
C2021RJ	85
C2021S	85
C2022	198
C2024	295
C2025	316◆
C2026	23
C2026K	23
C2027	165
C2028	373
C2028/1	373
C2028/2	373
C2028-2	373
C2028A	373
C2028A/20	373
C2028B	295
C2028-B/20	373
C2028B/20	295
C2028-B/B/20	373
C2029	235
C2029/1	235
C2029-1	235
C2029/2	235
C2029-3	235
C2029/3	235
C2029/10	235
C2029B	235
C2029B/10	235
C2029-B/10	235
C2029B/B/10	235
C2029C	235
C2035	123AP
C2036	373
C2037	23
C2040	76◆
C2043	236
C2051(ECB)	123AP
C2056	488
C2057	229
C2057C	229
C2057D	229
C2057E	229
C2057F	161
C2058(TRANS)	85
C2058P(TRANS)	85
C2058Q(TRANS)	85
C2059K(Trans)	2408
C2060	293
C2060Q	293
C2060R(Trans)	293
C2061(TRANS)	289A
C2061(Trans)	297
C2061P(TRANS)	289A
C2061P(Trans)	297
C2061Q(TRANS)	289A
C2061Q(Trans)	297
C2062(ECB)	46
C2062B(ECB)	46
C2062C(ECB)	46
C2063(Trans)	16◆
C2063(TRANS)	85◆
C2063M	16
C2063MN	16
C2063MP	16
C2063MQ	16
C2063N	16◆
C2063P	16◆
C2063P(TRANS)	85◆
C2063Q	16◆
C2063Q(TRANS)	85◆
C2067	315
C2068(Trans)	376◆
C2068B(Trans)	376◆
C2068BKLB(Trans)	376
C2068FA-1	376◆
C2068FA1	376◆
C2068G	376◆
C2068-GS-1(TRANS)	376
C2068LB	376◆
C2068LBBK	376◆
C2069	123A
C2070	123A
C2073	375
C2073A	375
C2073AD	375
C2073AE	375
C2073AR(Trans)	375
C2073B	375
C2073C	375
C2073D	375
C2073E	375
C2073FA-4	375
C2073L	375
C2073LB	375
C2073LBGL	375
C2073LBGL2	375
C2073-O(Trans)	375
C2073R	375
C2073RD	375
C2073RE	375
C2073SO	375
C2073T(Trans)	375
C2073Y	375
C2073-Z(Trans)	375
C2074	322
C2074C	322
C2074Y	322
C2075	236
C2075J	236
C2075K	236
C2076	85
C2076(CB)	85
C2076B	85
C2076B(CB)	85
C2076BC	85
C2076BC(CB)	85
C2076C	85
C2076C(CB)	85
C2076CB	85
C2076CB(CB)	85
C2076CD	85
C2076CD(CB)	85
C2076D	85
C2076D(CB)	85
C2078	236
C2078B	236
C2078C	236
C2078D	236
C2078E	236
C2085	376

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
C2085P	198
C2085PQ	198
C2085Q	198
C2088	199◆
C2089	199◆
C2091	295
C2091D	295
C2092	235◆
C2092D	235◆
C2094	139A
C2098	236
C2099	333◆
C2101	348◆
C2102	350
C2102A	2102
C2102A-4	2102
C2102A-6	2102
C2103A	345
C2105	364
C2107(Trans)	2406
C2107A(RAM)	2107
C2107A-1(RAM)	2107
C2107A-4(RAM)	2107
C2107A-5(RAM)	2107
C2107B(RAM)	2107
C2107B-1(RAM)	2107
C2107B-2(RAM)	2107
C2107B-4(RAM)	2107
C2107C(RAM)	2107
C2107C-2(RAM)	2107
C2107C-4(RAM)	2107
C2107G3(Trans)	2406
C2107G5(Trans)	2406
C2107G6(Trans)	2406
C2109	123AP
C2113	373#
C2114A-3	2114
C2114AP-3	2114
C2117	427/488
C2117-3	2117
C2117-4	2117
C2117-5	2117
C2118	427/488
C2120	289A
C2120-0	289A
C2120FA	289A
C2120Y	289A
C2120-Y	289A
C2121	283
C2122	283
C2128(RAM)	2128
C2128-15	2128
C2128-20	2128
C2129(BCE)	199
C2129F(BCE)	199
C2129G(BCE)	199
C2129H(BCE)	199
C2130(BCE)	199
C2130F(BCE)	199
C2130G(BCE)	199
C2130H(BCE)	199
C2132	366◆
C2137	385
C2138(Trans)	385
C2139	386
C2139A	386
C2140(Trans)	386
C2141	190
C2141M	375◆
C2146	235
C2147	2147
C2147-3	2147
C2147-6	2147
C2151	386
C2164(RAM)	2164
C2164-15	2164
C2164-20	2164
C2164-25	2164
C2164A(RAM)	2164
C2164A-15	2164
C2164A-20	2164
C2166	235◆
C2166D	235◆
C2167	375
C2167Y(Trans)	375
C2168(Audio)	375
C2168-O(Audio)	375
C2175	385
C2181	320F
C2182	360
C2184	236
C2188(Trans)	15
C2190	52
C2191	53
C2194	49
C2194A	49
C2195	236
C2200	394
C2206(Trans)	15
C2206-A(Trans)	15
C2206-B(Trans)	15
C2206C	15
C2209(Trans)	184
C2209-P(Trans)	184
C2209-Q(Trans)	184
C2209R	184
C2210(Trans)	85
C2210C(Trans)	85
C2210D(Trans)	85
C2210E(Trans)	85
C2210F(Trans)	85
C2212(EBC)	107
C2212A(EBC)	107
C2213	108
C2215	319P
C2216	319P
C2217	319P
C2228	399
C2228A	399
C2228AC(Trans)	399
C2228AD	399
C2228AE	399
C2228AF(Trans)	399
C2228C	399
C2228D	399
C2228E	399
C2228M	399
C2228O	399
C2228Y	399
C2228YC(Trans)	399
C2228YD(Trans)	399
C2228YE(Trans)	399
C2228YF(Trans)	399
C2229	399
C2229-0	399
C2229FA	399
C2229H	399
C2229M	399
C2229O	399
C2229Y	399
C2229-Y	399
C2230	399
C2230A	399
C2230AAGR	399
C2230AG	399
C2230A-GR	399
C2230AGR	399
C2230AGY	399
C2230A-Y	399
C2230AY	399
C2230G	399
C2230GR	399
C2230R	399
C2230Y	399
C2231Y	198
C2233	51
C2234	320
C2234-M	379
C2235	382◆
C2236	382
C2236-0	382
C2236D	382
C2236Y	382
C2238	375◆
C2238A	375◆
C2238B	375◆
C2240-GL	199◆
C2240GR	199◆
C2241	376
C2242	376
C2242BK	376
C2242BKL	376
C2243(Trans)	52
C2244(Trans)	53
C2245(Trans)	53
C2246(Trans)	53
C2256	388
C2257	157#
C2258	157#
C2258A(Trans)	157#
C2259(TRANS)	40
C2259F(TRANS)	40
C2259G(TRANS)	40
C2259H(TRANS)	40
C2260	87
C2261	87
C2262	87
C2263	199
C2263R(Trans)	199
C2263S(Trans)	199
C2263T(Trans)	199
C2264	315
C2267H	396
C2271	399
C2271C	399
C2271D	399
C2271E	399
C2271G	399
C2271M	399
C2271MN	399
C2271N	399
C2271-O	399
C2271Z(Trans)	399
C2274D	289A
C2274E	289A
C2274F	289A
C2274K	289A
C2274KD	289A
C2274KE	289A
C2274KF	289A
C2275A	375◆
C2278	171◆
C2279	171
C2290	317
C2291(TRANS)	44
C2291F(TRANS)	44
C2291G(TRANS)	44
C2291H(TRANS)	44
C2292(Trans)	53
C2293(Trans)	53
C2295(Trans)	2406
C2295A(Trans)	2406
C2295B(Trans)	2406
C2295C(Trans)	2406
C2298	253
C2303	386
C2304	386
C2305	2308
C2306	386
C2307	2308
C2307-Y	2308
C2308	289A
C2308B	289A
C2308C	289A
C2309	199
C2309D	199
C2309E	199
C2309F	199
C2309L(Trans)	199
C2310	85
C2310(Korea)	399
C2310B	85
C2310C	85
C2310-O(Korea)	399
C2310R(Korea)	399
C2310Y(Korea)	399
C2312	236
C2314	295
C2314D	295
C2314E	295
C2320	85
C2320D	85
C2320E	85
C2320F	85
C2320L	85
C2320LE	85
C2320LE(ECB)	123AP
C2320LF	85
C2324	253
C2324K	253
C2328	24
C2328-O	24
C2328Y	24
C2330	399
C2330-O	399
C2330R	399
C2330Y	399
C2331	375◆
C2331(Korea)	24
C2331-K	375◆
C2331-L	375◆
C2331-M	375◆
C2331-O	24
C2331Y	24
C2331YT	24
C2333	379
C2333-K	379
C2333-L	379
C2333-M	379
C2334(Trans)	54
C2334-K(Trans)	54
C2334-L(Trans)	54
C2335	379
C2335-K	379
C2335-L	379
C2335-M	379
C2337	87
C2337A	87
C2344	375
C2344D	375
C2344E	375
C2344F	375
C2347	107
C2348	69
C2349	107
C2352(TRANS)	69
C2352K	69
C2352L	69
C2352L(TRANS)	69
C2354	384
C2356	386
C2359	379
C2361	241
C2361A	241
C2362	199◆
C2362K	199◆
C2363(ECB)	194
C2363E(ECB)	194
C2363F(ECB)	194
C2364	2307
C2365	163A◆
C2368(Trans)	64
C2369(Trans)	64
C2371(Trans)	157
C2371K	157
C2371L	157
C2371M	157
C2371V	157
C2371V(Trans)	157
C2373	379◆
C2373-K	379
C2373L	379
C2373-L	379
C2373-M	379
C2375	90
C2375(ECB)	194
C2375E(ECB)	194
C2375F(ECB)	194
C2377(Trans)	15
C2377-C(Trans)	15
C2377-D(Trans)	15
C2382	320F◆
C2383(Trans)	31
C2383O(Trans)	31
C2383-O(Trans)	31
C2383-OR	31
C2383-R(Trans)	31
C2383R(Trans)	31
C2383-Y(Trans)	31
C2384	190
C2385(BCE)	199
C2385F(BCE)	199
C2385G(BCE)	199
C2388	386
C2388A(TRANS)	53
C2389(TRANS)	90
C2389E(TRANS)	90
C2389S(TRANS)	90
C2390(TRANS)	90
C2390E(TRANS)	90
C2390S(TRANS)	90
C2394	236
C2396	199
C2396D	199
C2396E	199
C2396F	199
C2398	328◆
C2399	108
C2399A	108
C2399B	108
C2399C	108
C2402	284◆
C2405(Trans)	2406
C2406AM	552
C2406M	552
C2406M(Diode)	552
C2410(ECB)	319P
C2410M(ECB)	319P
C2410N(ECB)	319P
C2411K(Trans)	2406
C2411KP(Trans)	2406
C2411KQ(Trans)	2406
C2411KR(Trans)	2406
C2412K(Trans)	2408
C2412KQ(Trans)	2408
C2412KR(Trans)	2408
C2412KS(Trans)	2408
C2413K(Trans)	2408
C2413N(Trans)	2408
C2413P(Trans)	2408
C2413Q(Trans)	2408
C2414(Trans)	52
C2415(Trans)	53
C2416(Trans)	53
C2427(TRANS)	379
C2428(Trans)	327
C2428K(Trans)	327
C2429(TRANS)	53
C2429A(TRANS)	53
C2430	328◆
C2431	328◆
C2432	328◆
C2433	387◆
C2434	387◆
C2435	97◆
C2436	98◆
C2437(Trans)	53
C2441	373
C2441D	373
C2441E	373
C2441F	373
C2456	157
C2456LBZ(Trans)	157
C2456Z(Trans)	157
C2458	85
C2458-0	85
C2458BL	199
C2458GR	199
C2458-GR	199
C2458LBL(Trans)	199
C2458LG	199
C2458LGR(Trans)	199
C2458LL	199
C2458LO	85
C2458LY	85
C2458O	85
C2458Y	85
C2458-Y	85
C2459	26
C2460A	280
C2460AO	280
C2460AR	280
C2460AY	280
C2461A	284
C2461AO	284
C2461AR	284
C2461AY	284
C2462(Trans)	2408
C2462B(Trans)	2408
C2462C(Trans)	2408
C2462D(Trans)	2408
C2463(Trans)	2408
C2463D(Trans)	2408
C2465	64
C2467	64
C2470	64
C2471	23◆
C2472(Trans)	23
C2473(Trans)	23
C2477(Trans)	316
C2481	373
C2481-0	373
C2481O	373
C2481-R	373
C2481-Y	373
C2482	399
C2482-1(Trans)	399
C2482BK	399
C2482FA-1(Trans)	399
C2482K(Trans)	399
C2482V(TRANS)	399
C2482Z(Trans)	399
C2484	36
C2484P	36
C2484-Q	36
C2484-R	36
C2485(Trans)	36
C2485-P(Trans)	36
C2485Q(Trans)	36
C2485-R(Trans)	36
C2486	390◆
C2486P(Trans)	36◆
C2486Q(Trans)	36
C2487	284
C2488	284
C2488P(Trans)	284
C2488Q(Trans)	284
C2488R(Trans)	284
C2489	284
C2489P(Trans)	284
C2489Q(Trans)	284
C2489R(Trans)	284
C2497(Trans)	373#
C2497A(Trans)	373#
C2497AP(Trans)	373#
C2497AQ(Trans)	373#
C2497AR(Trans)	373#
C2497P(Trans)	373#
C2497Q(Trans)	373#
C2497R(Trans)	373#
C2498	10
C2499	10
C2502(TRANS)	379
C2504(Diode)	552
C2508	320F
C2509	236◆
C2511	289A
C2511A	289A
C2511B	289A
C2511C	289A
C2511D	289A
C2512	229
C2512-03(Trans)	229
C2516(Trans)	54
C2516K(Trans)	54
C2516L(Trans)	54
C2516M(Trans)	54
C2519	107
C2522	280
C2522A(TRANS)	284
C2523	284
C2524	284
C2525	33
C2525B	33
C2525-B	33
C2525G	33
C2525-G	33
C2526	33
C2528(TRANS)	54
C2534	379
C2535	379
C2536	2308
C2537	2308
C2538-11	123A
C2540	477
C2541	2308
C2542	379
C2543	199◆
C2544	199◆
C2545	199
C2545D	199
C2545E	199
C2545F	199
C2546	199◆
C2547	199◆
C2548(Trans)	10
C2550	123A
C2550-0	123A
C2550-GR	123A
C2550-Y	123A
C2551(Trans)	399
C2551-O	399
C2551-O(Trans)	399
C2551O(Trans)	399
C2551R(Trans)	399
C2553	379
C2555	2308
C2555Z(Trans)	2308
C2556	373#
C2556A	373#
C2557	199
C2557-S(Trans)	199
C2557-T(Trans)	199
C2557-U(Trans)	199
C2560	107
C2561	107
C2561-A(Trans)	107
C2561-B(Trans)	107
C2562	377
C2562-0	377
C2562-Y	377
C2564(TRANS)	33
C2564O(TRANS)	33
C2564R(TRANS)	33
C2564Y(TRANS)	33
C2565(TRANS)	33
C2565O(TRANS)	33
C2565R(TRANS)	33
C2565Y(TRANS)	33
C2568(Trans)	157
C2568D	157
C2568K(Trans)	157
C2568L(Trans)	157
C2568LD(Trans)	157
C2568M(Trans)	157
C2570(Trans)	10
C2570A(Trans)	10
C2575(BCE)	85
C2575D(BCE)	85
C2575E(BCE)	85
C2575F(BCE)	85
C2575L(BCE)	85
C2575LE(BCE)	85
C2575LF(BCE)	85
C2577	36
C2578(Trans)	36
C2579(Trans)	36
C2580(Trans)	36
C2581(Trans)	36
C2582(Trans)	373
C2582Q(Trans)	373#
C2582R(Trans)	373#
C2587(TRANS)	33
C2588(TRANS)	33
C2589(TRANS)	87
C2590	373#
C2590P(Trans)	373#
C2590Q(Trans)	373#
C2590R(Trans)	373#
C2591	375
C2591Q(Trans)	375
C2591R(Trans)	375
C2592	375
C2592R	375
C2594	184◆
C2602(BCE)	199◆
C2602F(BCE)	199◆
C2602G(BCE)	199◆
C2603	289A
C2603D	289A
C2603E	289A
C2603F	289A
C2603R(Trans)	289A
C2603S	289A
C2607	388
C2608	388◆
C2610	399
C2610-05(Trans)	399
C2610-5	399
C2610B	399
C2610BK	399
C2610BR(Trans)	399
C2610V(Trans)	399
C2610Y	399
C2611	157
C2611-5(Trans)	157
C2611BK	157
C2611V(Trans)	157
C2612	379
C2613	379
C2615A(Diode)	558
C2616	53
C2617	53
C2618(Trans)	2406
C2618B(Trans)	2406
C2618C(Trans)	2406
C2618D(Trans)	2406
C2619(Trans)	2408
C2619A(Trans)	2408
C2619B(Trans)	2408
C2619C(Trans)	2408
C2621(TRANS)	157
C2621C(Trans)	157
C2621D(TRANS)	157
C2621E(Trans)	157
C2621RA(Trans)	157
C2621RAC	157
C2621RAD(Trans)	157
C2621RAE(Trans)	157
C2623	386
C2624	2308
C2625	2308
C2626	2311#
C2627	348◆
C2629	345◆
C2630	477
C2631	399
C2631(ECB)	287
C2632	399
C2632-Q(Trans)	399
C2633	376
C2633Q(Trans)	376
C2633R(Trans)	376
C2634(Trans)	199
C2634R(Trans)	199
C2634RS(Trans)	199
C2634S(Trans)	199
C2634T(Trans)	199
C2636(Trans)	15
C2636-T(Trans)	15
C2637	157
C2637-B	157
C2640	344◆
C2646	107
C2647(ECB)	229
C2647C	85
C2653	157
C2653H	157◆
C2653HCL(Trans)	198
C2654(Trans)	377◆
C2654L(Trans)	377◆
C2654M(Trans)	377◆
C2655	24
C2655(ECB)	216
C2655-O	24
C2656	2308
C2657	389◆
C2657A	389◆
C2658KD(Trans)	157
C2659	238
C2659A	238
C2660(Trans)	375
C2660P(Trans)	375
C2665	390
C2668	229
C2668-0	229
C2660-R	229
C2668-Y	229
C2669	289A
C2669-0	289A
C2669-R	289A
C2669-Y	289A
C2670	289A
C2670-0	289A
C2670-R	289A
C2670-Y	289A
C2671(Trans)	10
C2671F(Trans)	10
C2671H(Trans)	10
C2673(TRANS)	293◆
C2673(Trans)	20◆
C2673P	20◆
C2673Q	20◆
C2673Q(TRANS)	293◆
C2673R	20◆
C2673R(TRANS)	293◆
C2675(TRANS)	289A
C2675R(TRANS)	289A
C2675S(TRANS)	289A
C2681(Trans)	36
C2688	157
C2688K(TRANS)	157
C2688L(Trans)	157◆
C2688LA	157
C2688M(Trans)	157
C2688M(TRANS)	157
C2688MA(Trans)	157
C2688N(Trans)	157
C2694	352
C2703(Trans)	31
C2703O(Trans)	31
C2703-O(Trans)	31
C2703-Y(Trans)	31
C2703Y(Trans)	31
C2704	373
C2704-O	373
C2705-O(Trans)	31
C2705O(Trans)	31
C2705Y(Trans)	31
C2705-Y(Trans)	31
C2706	36
C2706-O	36
C2706R	36
C2708	2708
C2710	289A
C2710-0	289A
C2710-Y	289A
C2712(Trans)	2408
C2712G(Trans)	2408
C2712O(Trans)	2408
C2712Y(Trans)	2408
C2713(Trans)	2410
C2713G(Trans)	2410
C2715(Trans)	2408
C2715O(Trans)	2408
C2715R(Trans)	2408
C2715Y(Trans)	2408
C2716	2716
C2716(Trans)	2408
C2716O(Trans)	2408
C2716R(Trans)	2408
C2716Y(Trans)	2408
C2717	229
C2717FA	229
C2718(Trans)	85
C2718Q(Trans)	85
C2718R(Trans)	85
C2720(Trans)	85
C2722(TRANS)	33
C2724	289A
C2724B	289A
C2724C	289A
C2724D	289A
C2724E(Trans)	289A
C2727	64
C2729	63
C2732	2732
C2732A(EPROM)	2732
C2732A-2(EPROM)	2732
C2732A-3(EPROM)	2732
C2732A-4(EPROM)	2732
C2732A-20(EPROM)	2732
C2732A-25(EPROM)	2732
C2732A-30(EPROM)	2732
C2734(Trans)	2402
C2738(TRANS)	51
C2739(TRANS)	379
C2740	2308
C2749	2308
C2751	2311#
C2753(Trans)	10
C2754	399
C2764(EPROM)	2764
C2764-2	2764
C2764-3	2764
C2764-4	2764
C2764-25	2764
C2764-30	2764
C2764-45	2764
C2766(TRANS)	92
C2768	379
C2769	2308
C2773(TRANS)	58
C2774D(TRANS)	58
C2775(Trans)	2410
C2776(Trans)	2406
C2776A(Trans)	2406
C2776B(Trans)	2406
C2776C(Trans)	2406
C2784	26
C2784E	26
C2784F	26
C2784P	26
C2785(Trans)	85◆
C2785E(Trans)	199◆

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
C2785F(Trans)	85◆
C2785H(Trans)	85◆
C2785J(Trans)	85◆
C2785K(Trans)	199◆
C2785R(Trans)	85◆
C2786(Trans)	107◆
C2786K(Trans)	107◆
C2786L(Trans)	107◆
C2786M(Trans)	107◆
C2787(Trans)	107◆
C2787K(Trans)	107◆
C2787L(Trans)	107◆
C2787M(Trans)	107◆
C2788	2308
C2789	2308
C2790	389◆
C2791	389◆
C2792	2309
C2803(TRANS)	373
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C2820(TRANS)	388
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C2834A	2300◆
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C2838(TRANS)	33
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C2914Z(Trans)	53
C2920(TRANS)	53
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C2926(Trans)	107
C2928(Trans)	238
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C2960F(Trans)	85◆
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C3181-R	36
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C3182-R	36
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C74196P(HEP)	74196
C74197P(HEP)	74197
C74198P(HEP)	74198
C74199P(HEP)	74199
C248507	116
C255110-011	177
C256125-011	519
C1945295DY1	123A
C2475078-3	108
C2485076-3	128
C2485077-2	128
C2485078-1	108
C2485079-1	108

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
C6141990	177
C6862400	123A
C532000585	234
CA-092	139A
CA0324E	987
CA0324F24	987
CA0324M	987SM
CA0358AM	928SM
CA0358M	928SM
CA0555M	955SM
CA2D2	102A
CA10	116
CA20	116
CA32A25V12	5703
CA32A25V24	5703
CA33A40V10	5710
CA33A40V20	5710
CA33A40V40	5710
CA33A40V60	5710
CA33A40V80	5710
CA33A40W10	5710
CA33A40W12	5710
CA33A80V10	5710
CA33A80V20	5720
CA33A80V40	5720
CA33A80V60	5720
CA33A80V80	5720
CA33A80W10	5720
CA33A80W12	5720
CA50	116
CA90	177
CA100	116
CA102BA	116
CA102DA	116
CA102FA	116
CA102HA	116
CA102MA	116
CA102PA	125
CA102RA	125
CA102VA	125
CA150	116
CA152VA	125
CA200	116
CA201AT	1171
CA201T	1171
CA224E	987
CA224G	987
CA239AE	834
CA239AG	834
CA239E	834
CA239G	834
CA250	116
CA-301	975
CA301AE	975
CA301AT	1171
CA301E	975
CA307E	976
CA308AT	938
CA308T	938
CA311E	922M
CA311GW	922M
CA311S	922
CA311T	922
CA311TG	922
CA324E	987
CA324G	987
CA324M	987SM
CA339	834
CA339AE	834
CA339AG	834
CA339E	834
CA339G	834
CA344V1	711
CA358AM	928SM
CA358AS	928
CA358AT	928
CA358S	928
CA358T	928
CA555CE	955M
CA555CG	955M
CA555E	955M
CA555M	955SM
CA723	923
CA723CE	923D
CA723CT	923
CA723E	923D
CA723T	923
CA741CE	941M
CA741CG	941M
CA741CS	941M
CA741CT	941
CA747CE	947D
CA747CF	947D
CA747CG	947D
CA747CT	947
CA748CT	1171
CA758E	743
CA810M	1115
CA810Q	1115A
CA1020A	116
CA1190G	1231A
CA1190GQ	1231
CA1190GQ/M	1231
CA1191E	1231A
CA1310E	801
CA1352E	749
CA1365	712
CA1391E	815
CA1394E	836
CA1398	738
CA1398E	738
CA1408E	2056
CA1458	778A
CA1458E	778A
CA1458G	778A
CA1458S	778A
CA2002	1232
CA2065	712
CA2111AE	708
CA2111AQ	708
CA2111E	708
CA3000	900
CA3000T	900
CA3001	901
CA3001T	901
CA3010	903
CA3010A	903
CA3010AT	903
CA3010T	903
CA3011	726
CA3011T	726
CA3012	726
CA3012T	726
CA3013	704
CA3013T	704
CA3014	704
CA3014T	704
CA3015	903
CA3015A	903
CA3015AT	903
CA3015T	903
CA3018	904
CA3018A	904
CA3018T	904
CA3019	905
CA3019T	905
CA3020	784
CA3020A	784
CA3020AT	784
CA3020B	784
CA3020T	784
CA3026	906
CA3026T	906
CA3028	724
CA3028A	724
CA3028AF	724
CA3028AS	724
CA3028AT	724
CA3028B	724
CA3028BF	724
CA3028BS	724
CA3028T	724
CA3029	908
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CA3030	908
CA3030A	908
CA3030AE	908
CA3030E	908
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CA3035T	785§
CA3035V	785§
CA3035V1	785§
CA3037	908
CA3037A	908
CA3037AE	908
CA3037E	908
CA3038	908
CA3038A	908
CA3038AE	908
CA3038E	908
CA3039	907
CA3039T	907
CA3041	706
CA3041T	706
CA3042	710
CA3042E	710
CA3043	786
CA3043T	786
CA3044	711
CA3044T	711
CA3044V1	711
CA3045	912
CA3045E	912
CA3045F	912
CA3046	912
CA3046E	912
CA3047	913§
CA3047A	913§
CA3047E	913§
CA3048	727
CA3049	906
CA3049T	906
CA3052	727
CA3052E	727
CA-3053	724
CA3053	724
CA3053T	724
CA3054	917
CA3054E	917
CA3058	914
CA3058E	914
CA3059	914
CA3059E	914
CA3064	780
CA3064/5A	780
CA3064E	783
CA3064T	780
CA3065	712
CA3065/7F	712
CA3065C	712
CA3065E	712
CA3065F	712
CA3065FC	712
CA3065F.C.	712
CA3065N	712
CA3065RCA	712
CA3066	728
CA3066AE	728
CA3066E	728
CA3067	729
CA3067AE	729
CA3067E	729
CA3068	730
CA3070	714
CA3070E	714
CA3070G	714
CA3070-G	714
CA3071	715
CA3071E	715
CA3072	713
CA3072E	713
CA3075	723
CA3075D	723
CA3075E	723
CA3076	781
CA3076T	781
CA3079	914
CA3079E	914
CA3080	902
CA3080E	996
CA3080GW	902
CA3080S	902
CA3080T	902
CA3081	916
CA3081E	916
CA3082	2023
CA3082E	2023
CA3083	929
CA3083E	929
CA3085A	923
CA3086	912
CA3086E	912
CA3088E	787
CA3089E	788
CA3089F	788
CA3090A	789
CA3090AQ	789
CA3090E	789
CA3090Q	789
CA3100T	871
CA3120E	731
CA3121E	791
CA3121E-G	791
CA3121G	791
CA3123E	744
CA3125E	798
CA3126EM	797
CA3126EM1	797
CA3126EMI	797
CA3126Q	797
CA3130AE	930
CA3130AS	930
CA3130AT	930
CA3130E	930
CA3130GW	930
CA3130S	930
CA3130T	930
CA3134	1175
CA3134EM	1175
CA3134GQM	1175
CA3134Q	1175
CA3134QM	1175
CA3135G	818
CA3136E	843
CA3136EW	843
CA3136G	843
CA3136GW	843
CA3137	1176§
CA3137E	1176§
CA3137EM	1176§
CA3137EM1	1176§
CA3137EMI	1176§
CA3139E	1174
CA3139GHI	1174
CA3139GM1	1174
CA3139GQ	1174
CA3139Q	1174
CA3143	1177
CA3143E	1177
CA3144G	985§
CA3151G	986
CA3151GMI	986
CA3151GMT	986
CA3152E	867
CA3153G	984
CA3153GM1	984
CA3153GMI	984
CA3153MI	984
CA3154E	701
CA3156	822
CA3157G	849
CA3159	820
CA3161	2032
CA3161E	2032
CA3161EN	2032
CA3162CE	2054
CA3162E	2054
CA3163E	851
CA3163GW	851
CA3168E	2024
CA3170E	982
CA3172	821
CA3172G	821
CA3177E	863
CA3189E	788♦
CA3191E	842
CA3191GW	842
CA3192E	841
CA3192GW	841
CA3195	1655
CA3195E	1655
CA3202E	849
CA3210E	868
CA3217E	844
CA3218E	1739
CA3221	819§
CA3221G	819§
CA3234E	873
CA3236E	874
CA3237	1682
CA3237E	1682
CA3401E	992
CA3458S	877
CA3458T	877
CA3741	941
CA3741CS	941
CA3741CT	941
CA3741S	941
CA3741T	941
CA3747CT	947
CA3748CT	1171
CA3909E	876
CA7607E	1545
CA-9011H	123A
CA-9016	108
CA30900	789
CAD-1	76
CAD-2	77
CAM-12	123A
CAM-GRN	6055
CB1F4	105
CB5	116
CB10	116
CB20	116
CB22A25V12	5700
CB22A25V12FD	5700
CB22A25V24	5700
CB22A25V24FD	5700
CB32A25V12	5702
CB32A25V24	5702
CB42A25V2FD	5701
CB42A25V12	5701
CB42A25V12FD	5701
CB42A25V24	5701
CB50	116
CB100	156
CB103	126A
CB106	109
CB150	116
CB156	160
CB157	126A
CB158	126A
CB161	102A
CB163	109
CB200	116
CB244	160
CB246	123A
CB248	102A
CB249	102A
CB250	116
CB254	160
CB393	109
CC102BA	116
CC102DA	116
CC102FA	116
CC102HA	116
CC102KA	116
CC102MA	116
CC102PA	125
CC102RA	125
CC102VA	125
CC152VA	125
CC372G(ECB)	123AP
CC1168F	123A
CCF-3	611
CCS1235G	123A
CCS2001H	123AP
CCS2004	123A
CCS2004B	199
CCS2004C	123AP
CCS2004D303	199
CCS2005B	159
CCS2006D	108
CCS2008F015	108
CCS2008G	108
CCS2008H	108
CCS4004	123A
CCS6168	123A
CCS6168F	123A
CCS6168G	128
CCS6225F	161
CCS6226G	161
CCS6227F	161
CCS6228F	159
CCS6229H	128
CCS9015	159
CCS9016D	108
CCS9016E	108
CCS9017	161
CCS9017G925	161
CCS9018E	123A
CCS9018F	108
CCS9018H924	161
CD-0000	109
CD0000/7825B	109
CD-0000N	109
CD0000NC	177
CD000	109
CD005	116
CD-00-9	177
CD0014(Morse)	177
CD-0014N	109
CD0014NA	123A
CD0014NG	123A
CD0015N	123A
CD0021	123A
CD-0021	177
CD0033	137A
CD05	116
CD0120	136A
CD2	116(2)
CD2A	519
CD-2N	116
CD-4	116
CD4	116
CD-20	177
CD31-00002	134A
CD31-00006	135A
CD31-00007	136A
CD31-00008	137A
CD31-00012	139A
CD31-00015	142A
CD31-00017	145A
CD31-00023	146A
CD31-00025	147A
CD31-10361	146A
CD31-10365	145A
CD31-12019	139A
CD31-12022	142A
CD31-12024	145A
CD31-12030	146A
CD31-12032	147A
CD31-12039	139A
CD-37	177
CD37	177
CD-37A	177
CD37A	177
CD37A2	116
CD38	123A
CD48	136A
CD73/187/72	7493A
CD73/187/73	74H30
CD101	109
CD437	159
CD441	199
CD445	159
CD446	123A
CD461	130
CD461-014-614	130
CD500	234
CD522	218
CD541	909
CD562	199
CD600	177
CD1111	116
CD1112	116
CD1113	116
CD1114	116
CD1115	116
CD1116	116
CD1117	116
CD1121	116
CD1122	116
CD1123	116
CD1124	116
CD1125	116
CD1126	116
CD1127	116
CD1141	116
CD1142	116
CD1143	116
CD1147	116
CD1148	116
CD1149	116
CD1224	177
CD1616	363
CD1617	364
CD2300E	9930
CD2300E/830	9930
CD2301E	9961
CD2301E/861	9961
CD2302E	9946
CD2302E/846	9946
CD2303E	9949
CD2303E/849	9949
CD2304E	9945
CD2304E/845	9945
CD2305E	9948
CD2305E/848	9948
CD2306E	9932
CD2306E/832	9932
CD2307E	9944
CD2307E/844	9944
CD2308E	9962
CD2308E/862	9962
CD2309E	9963
CD2309E/863	9963
CD2310E	9936
CD2310E/836	9936
CD2311E/837	9937
CD2312E	9935
CD2314E	9933
CD2314E/833	9933
CD2315E	9093
CD2318E	9099
CD2545	317
CD3080	317
CD3122	135A
CD3171	149A
CD3174	150A
CD4000AE	4000
CD4000AZ	4000
CD4000BE	4000
CD4000C	4000
CD4000CJ	4000
CD4000CN	4000
CD4001	4001B
CD4001AD	4001B
CD4001AE	4001B
CD4001B	4001B
CD4001BC	4001B
CD4001BCJ	4001B
CD4001BCN	4001B
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CD4001C	4001B
CD4001CJ	4001B
CD4001CN	4001B
CD4002	4002B
CD4002AD	4002B
CD4002AE	4002B
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CD4002BD	4002B
CD4002C	4002B
CD4002CJ	4002B
CD4002CN	4002B
CD4006	4006B
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CD4006AE	4006B
CD4006B	4006B
CD4006BCJ	4006B
CD4006BCN	4006B
CD4006BE	4006B
CD4007AE	4007
CD4007CJ	4007
CD4007CN	4007
CD4007UBC	4007
CD4007UBE	4007
CD4008	4008B
CD4008AE	4008B
CD4008B	4008B
CD4008BCJ	4008B
CD4008BCN	4008B
CD4008BE	4008B
CD4009AE	4049
CD4009CJ	4049
CD4009CN	4049
CD4009UBE	4049
CD4010AE	4050B
CD4010B	4050B
CD4010BE	4050B
CD4010CJ	4050B
CD4010CN	4050B
CD4011	4011B
CD4011AE	4011B
CD4011B	4011B
CD4011BC	4011B
CD4011BCJ	4011B
CD4011BCN	4011B
CD4011BE	4011B
CD4011C	4011B
CD4011CJ	4011B
CD4011CN	4011B
CD4011VBE	4011B
CD4012	4012B
CD4012AE	4012B
CD4012BE	4012B
CD4012C	4012B
CD4012CJ	4012B
CD4012CN	4012B
CD4013	4013B
CD4013AE	4013B
CD4013BC	4013B
CD4013BCJ	4013B
CD4013BCN	4013B
CD4013BE	4013B
CD4014AE	4014B
CD4014BE	4014B
CD4014C	4014B
CD4015AE	4015B
CD4015BE	4015B
CD4015C	4015B
CD4016	4016B
CD4016AE	4016B
CD4016B	4016B
CD4016BC	4016B
CD4016BE	4016B
CD4016C	4016B
CD4016CJ	4016B
CD4016CN	4016B
CD4017AD	4017B
CD4017AE	4017B
CD4017BC	4017B
CD4017BCJ	4017B
CD4017BCN	4017B
CD4017BE	4017B
CD4018	4018B
CD4018AE	4018B
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CD4018BCN	4018B
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CD4020BCJ	4020B
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CD4021AE	4021B
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CD4022	4022B
CD4022AE	4022B
CD4022B	4022B
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CD4022BE	4022B
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CD4023AE	4023B
CD4023BC	4023B
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CD4023BCN	4023B
CD4023BE	4023B
CD4023C	4023B
CD4023CJ	4023B
CD4023CN	4023B
CD4023UBE	4023B
CD4024AE	4024B
CD4024B	4024B
CD4024BC	4024B
CD4024BCJ	4024B
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CD4024BE	4024B
CD4025	4025B
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CD4025BC	4025B
CD4025BCJ	4025B
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CD4025BE	4025B
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CD4025CJ	4025B
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CD4033AE	4033B
CD4033BE	4033B
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CD4034AE	4034B
CD4034B	4034B
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CD4035	4035B
CD4035AE	4035B
CD4035B	4035B
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CD4038AE	4038B
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CD4042BE	4042B
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CD4043AE	4043B
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CD4043CJ	4043B
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CD4045B	4045B
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CD4045BE	4045B
CD4045BF	4045B
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CD4046AE	980
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CD4046BCJ	4046B
CD4046BCN	4046B
CD4046BD	4046B
CD4046BE	4046B
CD4047AE	4047B
CD4047BCJ	4047B
CD4047BCN	4047B
CD4047BE	4047B
CD4048AE	4048B
CD4048BCJ	4048B
CD4048BCN	4048B
CD4048BE	4048B

♦, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
CD4049	4049
CD4049AE	4049
CD4049BC	4049
CD4049CJ	4049
CD4049CN	4049
CD4049UBE	4049
CD4050	4050B
CD4050AE	4050B
CD4050B	4050B
CD4050BC	4050B
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CD4050BE	4050B
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CD4051AC	4051B
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CD4051B	4051B
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CD4052BC	4052B
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CD4055BE	4055B
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CD4056BD	4056B
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CD4067BF	4067B
CD4067BJP	4067B
CD4068BE	4068B
CD4069	4069
CD4069C	4069
CD4069CJ	4069
CD4069CN	4069
CD4069N	4069
CD4069UB	4069
CD4069UBE	4069
CD4070	4070B
CD4070B	4070B
CD4070BCJ	4070B
CD4070BCN	4070B
CD4070BE	4070B
CD4071	4071B
CD4071BC	4071B
CD4071BCJ	4071B
CD4071BE	4071B
CD4071BF	4071B
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CD4073	4073B
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CD4073BCN	4073B
CD4073BE	4073B
CD4075	4075B
CD4075B	4075B
CD4075BCJ	4075B
CD4075BCN	4075B
CD4075BE	4075B
CD4076	4076B
CD4076B	4076B
CD4076BCJ	4076B
CD4076BCN	4076B
CD4076BE	4076B
CD4077BE	4077B
CD4078B	4078B
CD4078BE	4078B
CD4081B	4081B
CD4081BC	4081B
CD4081BCJ	4081B
CD4081BCN	4081B
CD4081BE	4081B
CD4082	4082B
CD4082BE	4082B
CD4085	4085B
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CD4085BE	4085B
CD4086AE	4086B
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CD4089BCJ	4089B
CD4089BCN	4089B
CD4089BE	4089B
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CD4093B	4093B
CD4093BCJ	4093B
CD4093BCN	4093B
CD4093BE	4093B
CD4094B	4094B
CD4094BCJ	4094B
CD4094BCN	4094B
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CD4094BE	4094B
CD4094BF	4094B
CD4094BJP	4094B
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CD4095BE	4095B
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CD4098	4098B
CD4098B	4098B
CD4098BC	4098B
CD4098BE	4098B
CD4099BC	4099B
CD4099BCJ	4099B
CD4099BCN	4099B
CD4099BE	4099B
CD4116	142A
CD4117	142A
CD4118	142A
CD4121	142A
CD4122	142A
CD4136	997
CD4501BJP	4501
CD4502	4502B
CD4502BE	4502B
CD4503B	40097B
CD4503BCN	40097B
CD4503BCP	40097B
CD4503BE	40097B
CD4503BN	40097B
CD4506BJP	4506B
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CD4510B	4510B
CD4510BCJ	4510B
CD4510BCN	4510B
CD4510BE	4510B
CD4511	4511B
CD4511BCJ	4511B
CD4511BCN	4511B
CD4511BE	4511B
CD4511E	4511B
CD4512	4512B
CD4512BE	4512B
CD4513BJP	4513B
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CD4514BE	4514B
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CD4516BCJ	4516B
CD4516BCN	4516B
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CD4517BF	4517B
CD4517BJP	4517B
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CD4518BCJ	4518B
CD4518BCN	4518B
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CD4522BCN	4522B
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CD4526BCN	4526B
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CD4541BCN	4541B
CD4541BJP	4541B
CD4543B	4543B
CD4543BCN	4543B
CD4551BJP	4551B
CD4553BJP	4553B
CD4555	4555B
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CD4569BJP	4569B
CD4585BE	4585B
CD4597BJP	4597B
CD4598BJP	4598B
CD5002	519
CD5003	177
CD-5038	519
CD5328	9910
CD-5944	362
CD5945	363
CD5946	364
CD6016	519
CD6016-013-689	519
CD6019	123A
CD6039	9914
CD6150	123A
CD6153	128
CD6153-2	128
CD6157	123A
CD6161P1N013-75	519
CD6375	123A
CD-6439	911
CD7012	335
CD8000	123A
CD8000-1	123A
CD8457	177
CD9525	123A
CD10000-1E	159
CD12000	123A
CD13332	116
CD13333	116
CD13335	116
CD13336	116
CD13337	116
CD13338	116
CD13339	116
CD40100AE	40100B
CD40100B	40100B
CD40100BE	40100B
CD40106	40106B
CD40106B	40106B
CD40106BE	40106B
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CD40160Be	40160B
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CD40161BCN	40161B
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CD40162BCN	40162B
CD40162BE	40162B
CD40163BC	40163B
CD40163BCJ	40163B
CD40163BCN	40163B
CD40163BE	40163B
CD40174BC	40174B
CD40174BCJ	40174B
CD40174BCN	40174B
CD40174BE	40174B
CD40175BC	40175B
CD40175BCJ	40175B
CD40175BCN	40175B
CD40182	40182B
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CD40192BC	40192B
CD40192BCJ	40192B
CD40192BCN	40192B
CD40192BE	40192B
CD40193	40193B
CD40193B	4516B
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CD40193BCJ	40193B
CD40193BCN	40193B
CD40193BE	40193B
CD40194BCJ	40194B
CD40194BCN	40194B
CD40194BE	40194B
CD-84857	177
CD86003	177
CD410299	6230
CD410499	6230
CD410699	6230
CD410899	6230
CD411099	6230
CD411299	6230
CD420140	5711
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CD420190	5721
CD420240	5711
CD420260	5721
CD420290	5721
CD420440	5711
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CD420490	5721
CD420640	5711
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CD420690	5721
CD420840	5711
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CD420890	5721
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CD421090	5721
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CD421290	5721
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CD431290	5720
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CD720160OZ	5721
CD720190OY	5721
CD720190OZ	5721
CD720240OY	5711
CD720240OZ	5711
CD720260OY	5721
CD720260OZ	5721
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CD770460OZ	5722
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CD770490OZ	5722
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CD770640OZ	5712
CD770660OY	5722
CD770660OZ	5722
CD770690OY	5722
CD770690OZ	5722
CD860011	178MP
CD860037	177
CD-860037	116
CD3112039	139A
CD3122055	139A
CD3212055	5078A
CD3212055(Zener)	139A
CDC86X7-5	123A
CDC430	123A
CDC496	159
CDC731	312
CDC744	154
CDC745(Zenith)	123A
CDC746	123A
CDC746(Zenith)	159
CDC1201BC	123A
CDC2010	123A
CDC2010C	123A
CDC2010D	123A
CDC2510C	123A
CDC2510C-G	123A
CDC2510G	123A
CDC4023A130	123A
CDC5000	107
CDC5000-1B	108
CDC5008	128
CDC5028A	128
CDC5038A	108
CDC5071A	108
CDC5075B	108
CDC8000	123A
CDC8000-1	128
CDC8000-1B	123A
CDC8000-1C	128
CDC-8000-1D	192
CDC8000-1D	192
CDC8000-CM	128
CDC8001	123A
CDC-8001	123A
CDC8002	128
CDC8002-1	128
CDC8011B	123A
CDC8021	123A
CDC8054	123A
CDC9000-1	159
CDC-9000-1B	129
CDC9000-1B	129
CDC9000-1D	159
CDC-9000-1D	159
CDC9002	129
CDC9002-1C	128
CDC9002-18	128
CDC10000-1E	159
CDC12000-1C	123A
CDC12018C	123A
CDC12030B	107
CDC12077F	123A
CDC12112C	108
CDC12112D	108
CDC12112E	108
CDC12112F	108
CDC13000-1	123A
CDC-13000-1	123A
CDC13000-1B	123A
CDC13000-1C	123A
CDC13000-1D	123A
CDC-13000-1D	123A
CDC13000-18	123A
CDC13016A	123A
CDC13500-1	123A
CDC25100-6	123A
CDC120700	128
CDC4306813	123A
CDG00	177
CDG-00	177
CDG005	116
CDG00S	177
CDG025	177
CDG-20	177
CDG-20/494	177
CDG21	177
CDG-21	177
CDG22	177
CDG-22	177
CDG23	177
CDG-23	600
CDG24	177
CDG-24	177
CDG24/3490	177
CDG24S	177
CDG27	177
CDJ-00	177
CDQ1004	154
CDQ10001	123A
CDQ10002	123A
CDQ10003	123A
CDQ10004	123A
CDQ10005	123A
CDQ10006	123A
CDQ10007	123A
CDQ10008	123A
CDQ10009	123A
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CDQ10011	128
CDQ10012	128
CDQ10013	154
CDQ10014	128
CDQ10015	154
CDQ10016	123A
CDQ10017	123A
CDQ10018	123A
CDQ10019	123A
CDQ10020	123A
CDQ10021	123A
CDQ10022	123A
CDQ10023	123A
CDQ10024	123A
CDQ10025	123A
CDQ10026	123A
CDQ10027	123A
CDQ10028	123A
CDQ10032	123A
CDQ10033	128
CDQ10034	154
CDQ10035	123
CDQ10036	123
CDQ10037	154
CDQ10045	154
CDQ10046	154
CDQ10047	154
CDQ10048	128
CDQ10049	154
CDQ10051	128
CDQ10052	128
CDQ10053	128
CDQ10057	128
CDQ10058	128
CDR-2	116
CDR-4	116
CDR69/121/207	911
CDT1309	121
CDT1310	121
CDT1311	121
CDT1319	121
CDT1320	121
CDT1321	121
CDT-1322	179
CDT1349	121
CDT1349A	121
CDT1350	121
CDT1350A	121
CDZ-9V	139A
CDZ-318-75	138A
CDZ15000	128
CDZ-C9V	139A
CE0360/7839	102A
CE0361/7839	102A
CE0362/7839	102A
CE0363/7839	158
CE0398/7839	116
CE0495/7839	109
CE37	177
CE502	116
CE504	116
CE506	116
CE508	125
CE510	125
CE4001B	123AP
CE4001C	123AP
CE4001E	123A
CE4002D	129
CE4003D	128
CE4003E	123A
CE4004C	123AP
CE4005C	159
CE4008B	229
CE4008C	229
CE4008D	229
CE4010D	108
CE4010E	108
CE4012D	159
CE4012E	159
CE4013D	123AP
CE4013E	123AP
CE213811	102A
CEC6050	116
CER6B	116
CER67	116
CER67A	116
CER67B	116
CER67C	116
CER68	116
CER68A	116
CER68B	116
CER68C	116
CER69	116
CER69A	116
CER69B	116
CER69C	116
CER70	116
CER70A	116
CER70B	116
CER70C	116
CER71	116
CER71A	116
CER71B	116
CER71C	116
CER71CA	116
CER72	125
CER72A	125
CER72B	125
CER72C	125
CER72D	125
CER72F	125
CER73	125
CER73A	125
CER73B	125
CER73C	125
CER73D	125
CER73F	125
CER500	116
CER500A	116
CER500B	116
CER500C	116
CER670	116
CER670A	116
CER670B	116
CER670C	116
CER680	116
CER680A	116
CER680B	116
CER680C	116
CER690	116
CER690A	116
CER690B	116
CER690C	116
CER700	116
CER700A	116
CER700B	116
CER700C	116
CER710	116
CER710A	116
CER710B	116
CER710C	116
CER720	125
CER720A	125
CER720B	125
CER720C	125
CER730	125
CER730A	125
CER730B	125
CER730C	125
CF-092	139A
CF1	108
CF2	123A
CF-2	123A
CF3	610
CF-3	611
CF5	123A
CF6	195A
C-F8	237
CF8	237
CF11	313
CF14	233
CF102DA	116
CF102PA	125
CF102RA	125
CF102VA	156
CF152VA	156
CF4013BE	4013B
CG1	123A
CG1-25-2	6110
CG1-25-4	6110
CG1-25-6	6110
CG1-25-8	6112
CG1-25-10	6112
CG1-25-12	6112
CG2-22-1	5590
CG2-22-2	5590
CG2-22-4	5591
CG2-22-6	5591
CG2-22-8	5592
CG2-22-10	5592
CG2-22-12	5592
CG2-25-1	5590
CG2-25-2	5590
CG2-25-4	5591
CG2-25-6	5591
CG2-25-8	5592
CG2-25-10	5592
CG2-25-12	5592
CG12E	109
CG64H	109
CG65H	109
CG66H	109
CG74H	109
CG86H	109
CG109	116
CG111	610
CG205	613
CG207	519
CG23018	519
CG24015A	9944
CGD462	109
CGD591	109
CGD685	109
CGD1029	109
CGE-50	160
CGE-51	160
CGE-52	102A
CGE-53	158
CGE-60	319P
CGE-61	233
CGE-62	199
CGE-63	192
CGE-64	172A
CGE-66	152
CGE-67	193
CGE-68	124
CGE-69	153
CGE-75	283
CGE-78MP	283
CGE-79	238
CGE-500	177
CGJ-1	506
CH119D	116
CH4734	136A
CH4735	137A
CHA4Z3.6	134A
CHA4Z5.1	135A
CHA4Z5.6	136A
CHAZ6.2	137A
CHAZ6.2A	137A
CHMZ3.6	134A
CHMZ5.1	135A
CHMZ5.6	136A
CHZ10	140A
CHZ10A	140A
CI-8.2	5072A
CI2711	123A
CI2712	123A
CI2713	123A
CI2714	123A
CI2923	123A
CI2924	123A
CI2925	123A
CI2926	123A
CI3390	123A
CI3391	123A
CI3391A	123A
CI3392	123A
CI3393	123A
CI3394	123A
CI3395	123A
CI3396	123A
CI3397	123A
CI3398	123A
CI3402	123A
CI3403	123A
CI3404	123A
CI3405	123A
CI3414	123A
CI3415	123A
CI3416	123A
CI3417	123A
CI3704	128

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
CI3705	128
CI3706	128
CI3900	123A
CI3900A	123A
CI3901	123A
CI4256	123A
CI4424	123A
CI4425	123A
CIC-300	124
CII-225-Q	130
CIJ70645	110MP
CIL194	229
CIL194A	229
CIL194B	229
CIL195	229
CIL195A	229
CIL195B	229
CIL511	108
CIL512	108
CIL513	108
CIL521	108
CIL522	108
CIL523	108
CIL531	108
CIL532	108
CIL533	108
CJ02H	5589◆
CJ02J	5589◆
CJ02K	5589◆
CJ02L	5589◆
CJ02W	5589◆
CJ02X	5589◆
CJ04C	5587◆
CJ04D	5587◆
CJ04E	5587◆
CJ04F	5587◆
CJ04G	5587◆
CJ032	102A
CJ166	229
CJ170	123AP
CJ180	123AP
CJ322	123AP
CJ326	123AP
CJ392	126A
CJ5201	123A
CJ5202	123A
CJ5203	123A
CJ5204	102A
CJ-5206	123A
CJ5206A	192
CJ-5207	123A
CJ-5208	123A
CJ5209	129
CJ5210	128
CJ5211	123A
CJ5212	123A
CJ5213	128
CJ5214	128
CJ5215	128
CJSE067	933
CJSE071	931
CK4	126A
CK4A	126A
CK13	102A
CK13A	102A
CK14	100
CK14A	100
CK16	100
CK16A	100
CK17	100
CK17A	100
CK22	102A
CK22A	102A
CK22B	102A
CK22C	102A
CK25	100
CK25A	100
CK26	100
CK26A	100
CK27	100
CK27A	100
CK28	126A
CK28A	126A
CK261	101
CK262	101
CK419	123A
CK420	123A
CK421	123A
CK422	123A
CK474	123A
CK475	123A
CK476	123A
CK477	123A
CK661	100
CK662	100
CK705	109
CK706	109
CK706A	109
CK706P	109
CK710	112
CK715	109
CK721	102
CK722	102
CK725	102
CK727	102
CK731	112
CK751	102
CK754	102
CK759	100
CK759A	100
CK760	100
CK760A	100
CK761	100
CK762	126A
CK766	126A
CK766A	126A
CK768	100
CK776	100
CK776A	100
CK790	102
CK791	102
CK793	102
CK794	102
CK870	102
CK871	102
CK872	102
CK875	102
CK878	102
CK879	102
CK882	102
CK888	102
CK891	102A
CK892	102A
CK942	159
CL04C	5580◆
CL04D	5582◆
CL04E	5582◆
CL04F	5582◆
CL04G	5582◆
CL04H	5584◆
CL04J	5584◆
CL04K	5584◆
CL04L	5584◆
CL05	116
CL010	116
CL025	116
CL066C	289A
C.L0D	400/128
CL.0C	400/128
CL1	116
CL1.5	116
CL2	116
CL3	116
CL4	116
CL5	116
CL6	116
CL7	116
CL8	116
CL-110	3028
CL110	3028
CL-110A	3028
CL110A	3028
CL116P	159
CL116Q	159
CL155C	294
CL166C	123AP
CL166D	123AP
CL166N	123AP
CL/410-025-057	161
CL/410-027-022	123AP
CL/410-027-034	199
CL/413-004-014	552
CL/413-014-010	116
CL2623	B25240T
CL3380	B25240T
CL/410025-057	161
CLEAK-02200	5312
CLEAK-02601(1)	37
CLEAK-5401(1)	261
CLI5	3040
CLI-5	3040
CLM05	116
CLM1	116
CLR2050	3032
CLR2060	3036
CLR2081	3036
CLR2180	3036
CM	113A
CM02H	5584◆
CM02J	5584◆
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CM02L	5584◆
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CM02X	5584◆
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CM04K	5584◆
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CM4-111	3051
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CM4-384B-2	3024
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CM4-484B-2	3023
CM4-544A	3011
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CM4-584B-2	3021
CM4-5020	3042
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CM-12	116
CM20-12A	366
CM21-3	201
CM-24	3019
CM25-12	366
CM30-12A	367
CM40-12	367
CM44-11-002-1	3200
CM44-11-012-3	3202
CM44-11-021-2	3201
CM45-12A	367
CM50-12A	368
CM60-12A	368
CM144-11-002-1	3200
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CM144-11-021-2	3201
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CM647	466
CM2417	5304
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CM4010AE	4050B
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CO510	125
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CO10750-05	6532
CO10750-12	6532
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CO14345	74LS158
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CO18991	159
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CO61850	74LS14
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CQ08F	5547◆
CQ08G	5547◆
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CQ041C	123AP
CQ041D	123AP
CQ042B	229
CQ043A	159
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CQ043D	159
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CQ074O	123AP
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CQ075H	159
CQ075M	159
CQ075N	159
CQ095F	229
CQ097	152
CQ1	102A
CQ10H	123AP
CQ10I	123AP
CQ106	185
CQ107	184
CQ109H	159
CQ109I	159
CQ110	123AP
CQ113B	229
CQ116B	159
CQ116B/C	123AP
CQ116C	159
CQ117	123AP
CQ117B	123AP
CQ117C	123AP
CQ117C/D	123AP
CQ117D	123AP
CQ410	123AP
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CQY74L	3021
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CQY85	3007
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CQY94	3024
CQY94-1	3024
CQY94-2	3024
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CQY97-1	3011
CQY97-2	3011
CQY97-3	3011
CQY99	3017
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CR01D	5527
CR01E	5527
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CR02A-4(GAK)	5404
CR02A-8(GAK)	5405
CR02AM-1(GAK)	5401
CR02AM1(GAK)	5401
CR02AM-2(GAK)	5402
CR02AM4(GAK)	5404
CR02AM-4(GAK)	5404
CR02AM-6(GAK)	5405
CR02AM-8(GAK)	5405
CR02AM-10(GAK)	5406
CR02C	5517
CR02D	5518
CR02E	5518
CR05A-1	5401
CR05A-2	5402
CR05A-4	5404
CR05A-6	5405
CR05A-8	5405
CR05A-10	5406
CR05A-12	5406
CR08C	5524◆
CR08D	5527◆
CR08E	5527◆
CR08F	5529◆
CR08G	5529◆
CR09C	5534A◆
CR09D	5534A◆
CR09E	5534A◆
CR09F	5534A◆
CR09G	5534A◆
CR03030311	290A
CR03040140	107
CR03040322	382
CR03040493	85
CR03040580	199
CR03040901	184◆
CR03040912	289A
CR03050090	519
CR03050230	116
CR03050240	611
CR03050320	125
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CR03070160	5018A
CR03070180	5018A
CR03070230	5011A
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CR03120970	1399
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CR04230170	3007
CR04230180	3010
CR1-051C	5408
CR1-101C	5408
CR1-201C	5408
CR1-301C	5409
CR1-400C	5409
CR1-501C	5410
CR1-601C	5410
CR2-051C	5408
CR2-101C	5408
CR2-201C	5408
CR2-401C	5409
CR2-501C	5410
CR2AM-1	5453
CR2AM-2	5454
CR2AM-4	5455
CR2AM-6	5457
CR2AM-8	5457
CR3-080(Diode)	125
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CR3AMZ-8	5457◆
CR4U01FY	5482
CR4U02FY	5483
CR4U03FY	5485
CR4U04FY	5485
CR4U05FY	5487
CR4U06FY	5487
CR4UX5FY	5481
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CR10C-4	5524
CR10C-6	5527
CR10C-8	5527
CR10C-10	5529
CR10C-12	5529
CR10C-14	5531
CR10C-16	5531
CR12M01FY	5522
CR12M02FY	5524
CR12M03FY	5527
CR12M04FY	5527
CR12M05FY	5529
CR12M06FY	5529
CR12M07FY	5531
CR12M08FY	5531
CR12MX5FY	5521
CR12U01FY	5522
CR12U02FY	5524
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CR12U04FY	5527
CR12U05FY	5529
CR12U06FY	5529
CR12U07CY	5531
CR12U08FY	5531
CR12UX5FY	5521
CR20F-2	5542
CR20F-4	5543
CR20F-6	5545
CR20F-8	5545
CR20F-10	5547
CR20F-12	5547
CR20F-16	5548
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CR20M02FY	5543
CR20M02FY-1	5543
CR20M03FY	5545
CR20M03FY-1	5545
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CR20U01FY-1	5542
CR20U02FY	5543
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CR24U05FY-1	5547
CR24U06FY	5547
CR24U06FY-1	5547
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CR24UX5FY-1	5541
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CR70C-8	5572
CR70C-10	5572
CR70C-12	5572
CR70C-16	5574
CR70C-20	5574
CR70C-24	5574
CR101/6515	109
CR102/6515	109
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CR103B(AGK)	5404
CR103C(AGK)	5405
CR103D(AGK)	5405
CR103E(AGK)	5406
CR103M(AGK)	5406
CR103Y(AGK)	5400
CR103YY(AGK)	5401
CR106A1	5454
CR106B1	5455

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To Be Replaced	ECG Replacement
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CR106D1	5457
CR106F1	5453
CR106Y1	5452
CR107A1	5454
CR107B1	5455
CR107C1	5457
CR107D1	5457
CR107F1	5453
CR107Y1	5452
CR122A	5462
CR122B	5463
CR122C	5465
CR122D	5465
CR122E	5466
CR122F	5461
CR122M	5466
CR122N	5468
CR150F-4	5587
CR150F-6	5587
CR150F-8	5587
CR150F-10	5587
CR150F-12	5587
CR150F-16	5589
CR150F-20	5589
CR150F-24	5589
CR203A	5402
CR203B	5404
CR203C	5405
CR203D	5405
CR203E	5406
CR203M	5406
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CR400A-8	5587
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CR400A-12	5587
CR400A-16	5589
CR400A-20	5589
CR400A-24	5589
CR501/6515	116(2)
CR1034	116
CR1035	116
CR32077-1	358
CR32077R	358
CR/AC153MN	158
CR/E	116
CRO1C	5524
CRO1D	5527
CRO1E	5527
CRO2AM-1	5401
CRO2AM1	5401
CRO2C	5517
CRO2D	5518
CRO2E	5518
CRS201	166
CRS202	166
CRS203	167
CRS204	168
CRS205	169
CRS206	170
CRS207	170
CRT1544	121
CRT1545	121
CRT1552	121
CRT1553	121
CRT1602	121
CRT3602A	121
CS08C	5504◆
CS08D	5507◆
CS08E	5507◆
CS08F	5509◆
CS08G	5509◆
CS09C	5534A◆
CS09D	5534A◆
CS09E	5534A◆
CS09F	5534A◆
CS09G	5534A◆
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CS3-04do2	5465
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CS8-05N	5491
CS8-1N	5491
CS8-2N	5492
CS8-3N	5494
CS8-4N	5494
CS8-6N	5496
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CS10-05N	5491
CS10-1N	5491
CS10-2N	5492
CS10-4N	5494
CS10-6N	5496
CS16E	116
CS20-02R	5521
CS20-05N	5521
CS20-05R	5521
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CS20-1.5R	5524
CS20-2N	5524
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CS20-3R	5527
CS20-4N	5527
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CS25-6N	5529
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CS25-8R	5531
CS35-02N	5541
CS35-02R	5541
CS35-05N	5541
CS35-05R	5541
CS35-1N	5542
CS35-1R	5542
CS35-1.5R	5543
CS35-2N	5543
CS35-2R	5543
CS35-2.5R	5545
CS35-4N	5545
CS35-4R	5545
CS35-6N	5547
CS35-6R	5547
CS50-600	5568
CS50-800	5569
CS50-1000	5569
CS50-1200	5569
CS93-1007	175
CS131A	6354
CS131AR	6355
CS131AZ	6354
CS131AZR	6355
CS131B	6354
CS131BR	6355
CS131C	6354
CS131CR	6355
CS131D(Axial)	116
CS131D(Stud)	6354
CS131DR	6355
CS131E	6356
CS131F	6356
CS131Z	6354
CS183E	123
CS184E	123
CS184J	108
CS189-2	1670
CS189-3	1670
CS189A	1670
CS360	123A
CS429J	108
CS430H	108
CS-460B	123A
CS-461B	108
CS461F	108
CS469F	108
CS696	123A
CS697	123A
CS706	123A
CS718	123A
CS718A	123A
CS720A	123A
CS901ZHF	159
CS918	108
CS925M	123A
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CS930	161
CS956	128
CS1014	108
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CS1018	108
CS1120C	161
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CS1236D	123A
CS1236H	123A
CS1237	129
CS1238	108
CS1238F	123A
CS1238G	108
CS1238H	108
CS1238I	108
CS1238P	123A
CS1243E	108
CS1243H	108
CS1244H	108
CS1244J	108
CS1244X	108
CS1245F	123A
CS1245G	123A
CS1245H	123A
CS1245I	123A
CS1245T	123A
CS1248	128
CS1248I	128
CS1248T	128
CS1250E	123A
CS1250F	128
CS1251E	159
CS1251F	159
CS1252B	108
CS1252C	108
CS1255H	128
CS1255HF	193
CS1256H	129
CS1256HG	192
CS1257	123A
CS1258	123A
CS1259	123A
CS1283A	123A
CS1284B	161
CS1284F	161
CS1284G	161
CS1284H	161
CS1288	123A
CS1289	123A
CS1293	108
CS1294E	159
CS1294H	159
CS1295E	123A
CS1295G	123A
CS1295H	128
CS1298	159
CS1303	159
CS1305	128
CS1308	159
CS1312G	129
CS1330	161
CS1330A	108
CS1330B	108
CS1330C	108
CS1340D	108
CS1340E	108
CS1340F	108
CS1340G	108
CS1340H	108
CS1340I	123A
CS1344	123A
CS1345	123A
CS1347	154
CS1348	123A
CS1349	123A
CS1350	108
CS1351	108
CS1352	128
CS1353	123A
CS1354	159
CS1359	108
CS1360	108
CS1361E	108
CS1361F	108
CS1361G	123A
CS1362	123A
CS1363	123A
CS1368	123A
CS1368A	123A
CS1368B	123A
CS1368C	123A
CS1368D	123A
CS1369	129
CS1370	123A
CS1371	123A
CS1372	123A
CS1383	123A
CS-1386E	123A
CS1386H	108
CS1420	123A
CS1453E	123A
CS1453F	128
CS1453G	128
CS1460E	161
CS1460H	161
CS1461J	161
CS1461X	161
CS1462F	161
CS1462I	128
CS1463A	123A
CS1464H	128
CS1465H	129
CS1508G	108
CS1509E	108
CS1509F	108
CS1518E	108
CS1555	108
CS1585	123A
CS1585E/F	123A
CS1585G	123A
CS1585H	107
CS1589E	161
CS1589F	161
CS1589S	161
CS1591LE	128
CS1594E	161
CS1596E	161
CS1609F	128
CS1613	129
CS1625	123A
CS1627	159
CS1659BC	123AP
CS1661	108
CS1664	128
CS1665	123A
CS1676	128
CS1676LC	128
CS1677	129
CS1677LC	129
CS1711	128
CS1758	158
CS1759	103A
CS1774	123AP
CS1834	108
CS1893	128
CS1909B	293
CS1910B	294
CS1990	128
CS2001	85
CS2001C	123AP
CS2001D	123AP
CS2001E	123AP
CS2001F	123AP
CS2001G	123AP
CS-2001H	85
CS2001H	85
CS2001I	123AP
CS2001J	123AP
CS2002	159
CS2002A	159
CS2002B	159
CS2002C	159
CS2002D	159
CS2002E	159
CS2002F	159
CS2002G	159
CS2002H	159
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CS2003B	123AP
CS2003C	123AP
CS2003D	123AP
CS2003E	123AP
CS2003F	123AP
CS2003G	123AP
CS2003H	123AP
CS2004	123AP
CS2004A	123AP
CS2004B	123AP
CS2004C	123AP
CS2004D(EBC)	199
CS2005	159
CS2005A	159
CS2005B	159
CS2005C	159
CS2005D	234
CS2006	233
CS2006C	233
CS2006D	233
CS2006E	233
CS2006F	233
CS2006G	233
CS2006H	233
CS2006I	233
CS2006J	233
CS-2007G	108
CS-2007H	108
CS2008	108
CS2008C	108
CS2008D	108
CS2008E	108
CS2008F	108
CS-2008G	108
CS2008G	108
CS2008H	108
CS-2008H	108
CS2008H552	108
CS2008I	108
CS2008J	108
CS2023	192
CS2032M	159
CS2073M	192
CS2082	159
CS2082G	159
CS2083G	85
CS-2083H	123AP
CS2083H	123AP
CS-2142	193
CS-2143	192
CS2218	123A
CS2219	123A
CS2221	123A
CS2222	123A
CS2369	123A
CS2481	123A
CS2484	128
CS2711	123A
CS2712	123A
CS2713	123A
CS2714	123A
CS2715	161
CS2716	161
CS2917	995
CS2917-8	995M
CS2917-B8	995M
CS2917-D8	995M
CS2922	123A
CS2923	123A
CS2924	123A
CS2925	123A
CS-3001B	108
CS-3024	172A
CS3082	2023
CS3390	123A
CS3391	123A
CS3391A	123A
CS3392	123A
CS3393	123A
CS3394	123A
CS3395	123A
CS3396	123A
CS3397	123A
CS3398	123A
CS3402	123A
CS3403	123A
CS3404	123A
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CS3414	123A
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CS3417	123A
CS3605	123A
CS3606	123A
CS3607	123A
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CS3663	161
CS3702	159
CS3703	159
CS3704	128
CS3705	128
CS3706	128
CS3707	161
CS3708	161
CS3709	161
CS3710	161
CS3711	161
CS3843	123A
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CS3845	123A
CS3854	123A
CS3854A	123A
CS3855	123A
CS3855A	123A
CS3859	123A
CS3859A	123A
CS3860	123A
CS3900	123A
CS3900A	123A
CS3901	123A
CS3903	123A
CS3904	123A
CS3906	159
CS4001	311
CS4003	123A
CS4005	128
CS4006	128
CS4007	123A
CS4012	159
CS4013	159
CS4021	123A
CS4060	123A
CS4061	123A
CS4062	123A
CS4193	123A
CS4194	123A
CS4424	123A
CS4425	123A
CS5088	123A
CS5369	123A
CS5447	159
CS5448	159
CS5449	128
CS5450	128
CS5451	128
CS5560N	1672
CS5560NN	1672
CS5995	703
CS6168F	123A
CS6168G	128
CS-6168G	123A
CS-6168H	123A
CS-6225E	107
CS6225F	108
CS-6225G	123A
CS6226F	108
CS6227E	108
CS6227F	108
CS-6227G	108
CS6228F	159
CS-6228G	129
CS6229F	123A
CS6229G	123A
CS7228G	129
CS7229F	128
CS7229G	123A
CS8050	297
CS8204	1648
CS8204K	1648
CS8205	1649
CS8205K	1649
CS8550C	294
CS9001	108
CS9011	123A
CS-9011	123A
CS9011/3490	123A
CS9011D	123A
CS9011E	123A
CS9011F	123A
CS-9011G	123A
CS9011G	123A
CS9011G/3490	123A
CS9011H	123A
CS9011I	123A
CS-9011L	123A
CS9012	159
CS9012/3490	159
CS9012E	159
CS9012E-F	159
CS9012F	159
CS9012FC	159
CS9012FG	159
CS9012G	159
CS9012H	159
CS9012HE	159
CS9012HF	159
CS9012HF(Last IF)	233
CS9012HG	159
CS9012HG/3490	159
CS9012HH	159
CS9012HH/3490	159
CS9012I	159
CS9013	123A
CS9013/3490	123A
CS9013A	123A
CS9013B	123A
CS9013C	123A
CS9013D	123A
CS9013E	123A
CS9013F	123A
CS9013G	123A
CS9013H	123A
CS9013HE	123A
CS9013HF	123A
CS9013HG	123A
CS9013HG/3490	123A
CS9013HH	123A
CS-9014	123A
CS9014	123A
CS9014/3490	123A
CS9014A	123A
CS9014B	123A
CS-9014B	123A
CS9014C	123A
CS9014C/3490	123A
CS9014D	123A
CS-9014D	123A
CS9014G	123A
CS9015	159
CS9015B	159
CS9015C	159
CS9015C2	159
CS-9015D	159
CS9015D	159
CS-9016	229
CS9016	229
CS9016/3490	229
CS9016D	229
CS-9016D	229
CS9016E	229
CS9016EF	229
CS9016F	229
CS-9016F	229
CS9016FG	229
CS9016G	229
CS9016G/3490	229
CS9016H	229
CS9017F	161
CS9017G	161
CS9017H	161
CS-9018	108
CS9018	108
CS9018/3490	108
CS9018D	108
CS9018E	108
CS-9018E	108
CS9018EF	108
CS9018F	108
CS-9018F	108
CS9018F/3490	108
CS9018FG	108
CS9018G	108
CS-9018G	108
CS-9018H	108
CS9020E	159
CS9020F	159
CS9021G-I	108
CS9021HF	129
CS9021HF(Last IF)	233
CS9021HG(Last IF)	233
CS9022LE	128
CS9101B	123A
CS9102	159
CS9102B	129
CS9103B	128
CS9103C	128
CS-9104	123A
CS9124B1	108
CS9124-C2	108
CS-9125B	123A
CS9125B	123A
CS9125-B1	108
CS9126	123A
CS9128-B2	159
CS9128C1	159
CS9129	159
CS9129B	159
CS9129B1	159
CS9129B2	159
CS9417	192
CS9600-4	123A
CS9600-5	123A
CS13401	123A
CS90111	123A
CSB503B	649
CSM3B1	5454
CSM3B2	5455
CSM3B4	5457
CSS162	708
CST1739	104
CST1740	104
CST1741	104
CST1742	104
CST1743	121
CST1744	121
CST1745	121
CST1746	121
CSZ24	5081A
CT02C	5492
CT02D	5494
CT02E	5494
CT03C	5514
CT03D	5515
CT03E	5515
CT04C	5483
CT04D	5485
CT04E	5485
CT04F	5487
CT06B	5462
CT06C	5463
CT06D	5465
CT06E	5465
CT08C	5492◆
CT08D	5494◆
CT08E	5494◆
CT08F	5496◆
CT08G	5496◆
CT09C	5534A◆
CT09D	5534A◆
CT09E	5534A◆
CT09F	5534A◆
CT09G	5534A◆
CT11-1A	5640
CT11-2A	5641
CT11-4A	5642
CT12-1A	5640
CT12-2A	5641
CT12-4A	5642
CT12C	5463
CT12E	5465
CT16XT	113A
CT30-1A	5650
CT30-2A	5651
CT30-4A	5652
CT31-1A	5640
CT31-2A	5641
CT31-4A	5642
CT32-05N	5673
CT32-1A	5640
CT32-1N	5673
CT32-2A	5641
CT32-2N	5673
CT32-4A	5642
CT32-4N	5675
CT32-6A	5643
CT32-6N	5677
CT33-1A	5650
CT33-2A	5651
CT33-4A	5652
CT62-05N	5673
CT62-1N	5673
CT62-2N	5673
CT62-4N	5675
CT62-5N	5677
CT62-6N	5677
CT82-2N	5673
CT82-4N	5675
CT82-6N	5677
CT100	116
CT102-05N	5673
CT102-1N	5673
CT102-2N	5673
CT102-4N	5675
CT102-5N	5677
CT152-05N	5673
CT152-1N	5673
CT152-2N	5673
CT152-4N	5675
CT152-5N	5677
CT200	116
CT300	116
CT302-2N	5693
CT302-4N	5695
CT302-6N	5697
CT401-2N	5693
CT401-4N	5695
CT401-6N	5697
CT402-2N	5693
CT461	109
CT600	116
CT1009	102A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
CT1012	107
CT1013	107
CT1017	158
CT-1087	85
CT-1090	85
CT-1093	289A
CT-1097	199
CT-1106	85
CT1122	121
CT1124	121
CT1124A	121
CT1124B	121
CT1300	108
CT1500	108
CT2002	109
CT-2002	109
CT2005	110MP
CT2007	109
CT2008	110MP
CT-2035	614
CT-2040	519
CT-2056	3007
CT3003	116
CT3005	116
CT3005(Ratio Det.)	110MP
CT-3017	116
CT-4017	1206
CT-4021	824
CT-4022	1154
CT-4024	950
CT6776	154
CTB-23	6085
CTB-24	6085
CTB-33	6090
CTB-33S	6090
CTB-34	6090
CTB-34S	6090
CTC-TX50	318
CTC-TX100	317
CTCZ17B	5132A
CTG-11R	6244
CTG-11S	6240
CTG-12R	6244
CTG-21R	6244
CTG-21S	6240
CTG-22R	6244
CTG-22S	6240
CTG-31S	6246
CTG-32S	6246
CTG—12S	6240
CTL-2S	6240
CTL-11S	6240
CTL-12S	6240
CTL-21S	6240
CTL-22S	6240
CTL-31S	6246
CTL-32S	6246
CTN200	116
CTO2C	5492
CTO2D	5494
CTO2E	5494
CTO3C	5514
CTO3D	5515
CTO3E	5515
CTO4C	5483
CTO4D	5485
CTO4E	5485
CTO4F	5487
CTO6B	5462
CTO6C	5463
CTO6D	5465
CTO6E	5465
CTP461	109
CTP573	109
CTP1032	102A
CTP1033	102A
CTP1034	102A
CTP1035	102A
CTP1036	102A
CTP1104	104
CTP1106	104
CTP1108	104
CTP1109	104
CTP1111	121
CTP1117	104
CTP1119	104
CTP1124	121
CTP1133	121
CTP1135	121
CTP1136	121
CTP1137	121
CTP1265	121
CTP1266	121
CTP1306	121
CTP1307	121
CTP1500	121
CTP1503	121
CTP1504	121
CTP1508	121
CTP1509	105
CTP1511	121
CTP1512	105
CTP1513	121
CTP1514	121
CTP1544	179
CTP1545	179
CTP1550	121
CTP1551	121
CTP1552	179
CTP1553	179
CTP1728	121
CTP1729	121
CTP1730	121
CTP1731	121
CTP1732	121
CTP1733	121
CTP1735	121
CTP1736	121
CTP1739	121
CTP-2001-1001	102A
CTP-2001-1002	102A
CTP-2001-1003	102A
CTP-2001-1004	102A
CTP-2001-1007	123A
CTP-2001-1008	123A
CTP-2001-1009	102A
CTP-2001-1010	109
CTP-2001-1011	116
CTP-2001-1012	116
CTP-2006-1001	102A
CTP-2006-1002	102A
CTP-2006-1003	102A
CTP-2006-1004	109
CTP2076-1001	102A
CTP2076-1002	102A
CTP2076-1003	102A
CTP2076-1004	102A
CTP2076-1005	102A
CTP2076-1006	102A
CTP2076-1007	102A
CTP2076-1008	102A
CTP2076-1009	102A
CTP2076-1010	102A
CTP2076-1011	102A
CTP2076-1012	102A
CTP3500	121
CTP3503	121
CTP3504	121
CTP3508	121
CTP3544	179
CTP3545	179
CTP3552	179
CTP3553	179
CTR-0001	123A
CTR-0002	199
CTR-0003	199
CTR-0004	123A
CTR-0005	152
CTR-0006	315
CTR-0007	235
CTR-0008	294
CTR-0009	177
CTR-0010	109
CTR-0011	139A
CTR-0012	601
CTR-0013	116
CTU-11R	6244
CTU-11S	6240
CTU-12R	6244
CTU-12S	6240
CTU-20R	6244
CTU-20S	6240
CTU-21R	6244
CTU-21S	6240
CTU-22R	6244
CTU-22S	6240
CTU-30S	6246#
CTU-31S	6246#
CTU-32S	6246#
CTZC6.8	4903
CTZC6.8A	4903
CTZC6.8B	4903
CTZC13	4919
CTZC13A	4919
CTZC13B	4919
CTZC18	4927
CTZC18A	4927
CTZC18B	4927
CTZC20	4929
CTZC20A	4929
CTZC20B	4929
CTZC27	4935
CTZC27A	4935
CTZC27B	4935
CTZC51	4951
CTZC51A	4951
CTZC51B	4951
CTZC68	4959
CTZC68A	4959
CTZC68B	4959
CTZC200	4989
CTZC200A	4989
CTZC200B	4989
CU01C	5483
CU01D	5485
CU01E	5485
CU01F	5487
CU06VC	230
CU06VD	230
CU06VE	230
CU06VF	230
CU06VG	230
CU12B	5454
CU12C	5455
CU12D	5457
CU12E	5455
CU-12E	5455
CUA709CL	909
CUA709CN	909D
CUA709CP	909
CUA741CJ	941D
CUA741CL	941
CUA741CN	941D
CUA741CP	941M
CV03B(KAG)	5402
CV03C(KAG)	5404
CV03D(KAG)	5405
CV03E(KAG)	5405
CV04B	5402
CV04C	5404
CV04D	5405
CV04E	5405
CV12B	5454
CV12C	5455
CV12D	5457
CV12E	5457
CV425	109
CV442	109
CV832	613
CV834	614
CV1620	610
CV1624	611
CV1626	612
CV1634	613
CV1638	614
CV5007	610
CV5010	611
CV5012	612
CV5022	613
CV5033	614
CV204084	289A
CV204086	290A
CW01B(GAK)	5402
CW01C(GAK)	5404
CX0036	109
CX0037	116
CX0039	116
CX0040	116
CX0041	109
CX0042	110MP
CX0047	116
CX0048	116
CX0049	116
CX0050	135A
CX0051	140A
CX-0055	177
CX-064	1311
CX064	1311
CX064(1)	1311
CX-064-2	1311
CX064-2	1311
CX-065	1300
CX065	1300
CX-065A	1300
CX065A	1300
CX065B	1300
CX-075	1301
CX075	1301
CX-075B	1301
CX075B	1301
CX-089	1096
CX089D	1096
CX-093	712*
CX093	712*
CX-093D	712*
CX093D	712*
CX095	1308
CX095A	1308
CX095C	1308
CX-095D	1308
CX095D	1308
CX095E	1308
CX100B	1605
CX100D	1605
CX110	712
CX-110	712
CX130	1603
CX131	1601
CX131A	1601
CX133A	1599
CX134	1598
CX134A	1598
CX135	1596
CX136	1594
CX136A	1594
CX137A	1592
CX138	1590
CX139A	1588
CX141	1586
CX143	1582
CX143A	1582
CX145	1584
CX-157	1312
CX157	1312
CX158	1313
CX-158	1313
CX161A	1309
CX162	1310
CX164A	1302
CX-164A	1302
CX170	1303
CX172	1304
CX173	1305
CX-173	1305
CX-177	1306
CX177	1306
CX177B	1306
CX-181	1307
CX181	1307
CX555A	1411
CX556A	1416
CX556B	1416
CX557	1552
CX557A	1552
CX557B	1552
CX-843	1418
CX843	1418
CX-843A	1418
CX843A	1418
CX848	1665
CX9000	358
CX9001	116
CXA495D	129
CY/077-012	5405
CY/2SC536C	85
CY40	116
CY50	116
CY80	156
CY100	125
CY/BPY62-2	3032
CY/BPY62-II	3032
CY/CR02AM-6	5405
CY/CR05A-8	5405
CY/MZ209	5018A
CY/TIC46MN	5404
CY/UJA/1050G	159
CZ060	5070A
CZ062	137A
CZ072	5015A
CZ-072	5015A
CZ078	5015A
CZ092	139A
CZ-092	139A
CZ-094	139A
CZ094	5018A
CZ6.8B	5071A
CZ7.5B	138A
CZ8.2B	5072A
CZ9.1B	139A
CZ10B	140A
CZ11B	5074A
CZ12B	142A
CZ13B	143A
CZ14B	144A
CZ15B	145A
CZ16B	5075A
CZ17B	5076A
CZ18B	5077A
CZ19B	5078A
CZ20B	5079A
CZ22B	5080A
CZ24B	5081A
CZ25B	5082A
CZ27B	146A
CZ30B	5084A
CZ33B	147A
CZ-92	139A
CZ142	144A
CZ-142	144A
CZAJ-102	116
CZD010	140A
CZD010-5	140A
CZD012-5	142A
CZD014	144A
CZD014-5	144A
CZD015	145A
CZD015-5	145A
D000136	156
D000149	116
D000152	116
D000165	125
D004	116
D006	107
D008	102A
D009	229
D-00169C	109
D-00184R	177
D-00204R	109
D-00269C	109
D-00369C	138A
D-00384R	116
D-00469C	137A
D-00484R	142A
D-00569C	139A
D-00669C	109
D00D	192
D01-100	116
D02Z6-2W	5013A
D02Z62W	5013A
D04A	B40240
D04B	B40240
D-05	116
D08A	B40240
D08B	B40240
D010	110MP
D018	102A
D018(DIODE)	177
D019	100
D020	126A
D021	102A
D024	5072A
D025	139A
D026	126A
D028	116
D029	614
D030	102A
D030(DIODE)	116
D031	102A
D031(Chan. Master)	123A
D032	109
D038	102A
D043	102A
D048	123A
D053	123A
D057	199
D058	108
D059	102A
D063(Trans)	160
D063(TCO)	8063
D069	108
D070	8070
D072	229
D073	160
D076	8076
D078	100
D079	160
D080	127
D081(TCO)	8081
D081(Trans)	127
D083	103A
D085(TCO)	8085
D085(Trans)	103A
D086	160
D087	108
D088	108
D090	8090
D093	109
D096	8096
D098	8098
D0123WX	5652
D0250	175
D04027BC	4027B
D010045	109
D010090	519
D090052	519
D090120	116
D1-2	109
D1-7	116
D1-8	139A
D1-13	147A
D1-20	177
D1-52S	116
D1A	123A
D1A(Zener)	5072A
D1B	113A
D1C	113A
D1D	125
D1E	116
D1F	506
D1F(Zener)	149A
D1G	139A
D1H	116
D1I0A243A0	177
D1I0A243AC	177
D1J	116
D1K	125
D1K40	552
D1L	116
D1M	136A
D1R5GZ61	125
D1R5GZ61FA	125
D1R35	110MP
D1R38	123A
D1R39	110MP
D1R100	558
D1S	143A
D1S34	109
D1S1553	177
D1S1554	177
D1S1555	177
D-1S2473	519
D1S2775-1	552
D-1SS133	519
D1T	144A
D1TH61	558
D1U	5072A
D1W	146A
D1Y	107
D1ZBLU	145A
D1ZRED	144A
D1ZVIO	143A
D1ZYEL	145A
D-1.5-01	116
D-2	109
D2-1	116
D2-77-1	177
D2B000RH10	552
D2B000RU20	552
D2BF00RU20	552
D2BFMI15MR	116(2)
D2BFMI15MS	116(2)
D2E	147A
D2G	141A
D2G-1	141A
D2G-2	141A
D2G-3	142A
D2G-4	142A
D2H	183
D2H(Diode)	116
D2J	116
D2L0040070	125
D2L0TVR06G	552
D2LT040070	125
D2M	502
D2N	503
D2R31	109
D2R38	123A
D2S4M	586
D2X4	116
D2Y	505
D2Z	139A
D2Z-2	146A
D3A	507
D3F	139A
D3G	178MP
D3H	5011A
D3N	141A
D3R	116
D3R38	116
D3R39	116
D3S3M	586
D3U	116
D3V	116
D3W	142A
D3Y	137A
D3Z	116
D4	113A
D4C28	128
D4C29	128
D4C30	128
D4C31	128
D4D20	128
D4D21	128
D4D22	161
D4D24	123
D4D25	123
D4D26	123
D4G	502
D4H	147A
D4J	147A
D4L	125
D4M	116
D4N	141A
D4P	144A
D4R	109
D4R26	116
D4R39	116
D4S16	312
D5	114
D5B	145A
D5E37	6401
D5E-37	6401
D5E43	6409
D5E-43	6409
D5E44	6401
D5E-44	6401
D5E45	6409
D5E-45	6409
D5G	552
D5H	552
D5J37	6409
D5J43	6409
D5J44	6409
D5J45	6409
D5KC20	6240#
D5KC20H	6240#
D5KC20R	6244#
D5KC20RH	6244#
D5LCA20	6240#
D5R35	116
D5R39	116
D5V	177
D5W	137A
D6	115
D6C	513
D6HZ	116
D6K20	581#
D6K40	581#
D6M	5072A
D6U	5080A
D6.2	137A
D7	115
D7A30	128
D7A31	128
D7A32	128
D7E	177
D7L	5076A
D7LCA20	6240#
D7N	614
D7S	5072A
D7Z	177
D8G	506
D8HZ	125
D8L	506
D8LCA20R	6244#
D8M	506
D8P	143A
D8U	5073A
D9M	5073A
D9R1	139A
D10B1051	107
D10B1055	107
D10G1051	107
D10G1052	107
D10LCA20	6240#
D10SC3M	6085
D10SC4M	6085
D11	103
D11C1B1	128
D11C3B1	128
D11C5B1	128
D11C7B1	128
D11C10B1	128
D11C11B1	128
D11C201B20	124
D11C203B20	124
D11C205B20	124
D11C207B20	124
D11C210B20	124
D11C211B20	124
D12	130
D-12	177
D12A	B40240
D12B	B40240
D13	105
D13D1	6404
D13K1	6402
D13T1	6402
D13TDS442X	519
D13TGMA010	519
D14	106
D15	87
D15A	116
D15C	116
D15LCA20	6240#
D16	87
D16E7	123A
D16E9	123A
D16EC18	123A
D16G6	107
D16K1	107
D16K2	107
D16K3	107
D16K4	107
D16P1	172A
D16P2	172A
D16U3	113A
D16U4	113A
D17	87
D18	87
D-18	139A
D18A12	184
D18M1	1V010
D18M3	2V010
D19	101
D20	101
D21	101
D22	101
D22L1	1V014
D22L3	2V014
D23	101
D23F130TAL	125
D23FDFA05G	552
D23TDFD05G	552
D24	124
D24A3394	108
D24B	124
D24C	124
D24CK	124
D24D	124
D24E	124
D24F	124
D24F00V09G	558
D24K	124
D24K1	1V015
D24K4	2V015
D24KC	124
D24KD	124
D24KE	124
D24Y	124
D24YB	124
D24YD	124
D24YE	124
D24YF	124
D24YK	124
D24YLC	124
D24YLD	124
D24YS	124
D25	116
D25A @	B40240-@-116
D25B @	B40240-@-116
D25C	116
D25T5566B0	116
D26	87
D26A	87
D26B	87
D26B1	107
D26B2	107
D26C	87
D26C1	107
D26C2	107
D26C3	107
D26E2	107
D26G1	107
D27C1	152
D27C2	152
D27C3	152
D27C4	152
D27L1	1V017
D27L4	2V017
D28	116
D28-04	580
D28-06	580
D28-08	506
D28A1	152
D28A2	152
D28A3	152
D28A4	152
D28A5	152
D28A6	152
D28A7	152
D28A9	152
D28A10	152
D28A12	152
D28A13	152
D28B	171
D28D1	152
D28D2	152
D28D3	152
D28D4	152
D28D5	152
D28D7	152
D28D10	152
D28F00BB4C	552
D28F00BB40	552
D29	175
D29-02	580
D29-04	580
D29-04H2	580
D29-06	580
D29-08	515
D29-08(Diode)	506
D29A4	159
D29A5	159
D29A6	159
D29A9	159
D29E1	159
D29E1J1	193
D29E2	159
D29E2J1	193
D29E4	159
D29E4J1	193
D29E5	159
D29E5J1	193
D29E6	159
D29E6J1	193
D29E7	159
D29E7J1	193
D29E8	159
D29E9	193
D29E9J1	193
D29E10	193
D29E10J1	193
D30	6408
D30(Diac)	6408

♦, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
D30(Diode)	116
D30(Transistor)	103A
D30-0	103A
D30A1	159
D30A2	159
D30A3	159
D30A4	159
D30A5	159
D30G	103A
D30H	103
D30-N	103A
D31	103A
D31D	103A
D32(Diac)	6408
D32(Transistor)	103A
D33	103A
D33C	103A
D33D21	297
D33D21J1	192A
D33D22	297
D33D22J1	192A
D33D24	297
D33D24J1	192
D33D25	297
D33D25J1	192A
D33D26	297
D33D26J1	192A
D33D27	297
D33D27J1	192A
D33D28	123A
D33D29	297
D33D29J1	192A
D33D30	297
D33D30J1	192A
D33D34J1	192A
D33K1	1V020
D33K5	2V020
D34	103A
D35	103A
D36	103A
D37	103A
D37A	103A
D37B	103A
D37C	103A
D38	103A
D38H1	123AP
D38H2	123AP
D38H3	123AP
D38H4	194
D38H5	194
D38H6	194
D38H7	194
D38H8	194
D38H9	194
D38L1	46
D38L2	46
D38L3	46
D38L4	46
D38L5	46
D38L6	46
D38S1	123AP
D38S5	123AP
D38S8	123AP
D38S9	123AP
D38V1	287
D38V2	287
D38V3	287
D38W7	194
D38W8	194
D38W12	194
D39J1	159
D39J2	159
D39J3	159
D39J4	159
D39J5	159
D39J6	159
D39J7	383
D39J8	383
D39J9	383
D39K1	1V025
D39K6	2V025
D39V1	288
D39V2	288
D39V3	288
D40A	B40240
D40B	B40240
D40C1	265
D40C1U	265
D40C2	266
D40C3	267
D40C4	265
D40C5	266
D40C7	265
D40C8	266
D40D1	210
D40D2	210
D40D3	210
D40D4	210
D40D5	210
D40D7	210
D40D8	210
D40D10	210
D40D11	210
D40E1	49
D40E5	49
D40E7	49
D40K1	268
D40K2	268
D40K3	268
D40K4	268
D40N1	171
D40N2	171
D40N3	171
D40N4	171
D40P1	171
D40P2	171
D40P3	171
D40P5	171
D41	130
D41D1	211
D41D2	211
D41D4	211
D41D5	211
D41D7	211
D41D8	211
D41D10	211
D41D11	211
D41D13	211
D41D14	211
D41E1	50
D41E5	50
D41E7	50
D41K1	269
D41K2	269
D41K3	269
D41K4	269
D42C1	186
D42C2	186
D42C3	186
D42C4	186
D42C5	186
D42C6	186
D42C7	186
D42C8	186♦
D42C9	186
D42D1	261♦
D43	103A
D43A	103A
D43C1	187
D43C2	187
D43C3	187
D43C4	187
D43C5	187
D43C6	187
D43C7	187
D43C8	187♦
D43C9	187
D43D1	262♦
D44	103A
D44C1	377
D44C2	377
D44C3	377
D44C4	377
D44C5	377
D44C6	377
D44C7	377
D44C8B	377
D44C9	377
D44C10	377
D44C11	377
D44C12	377
D44C88	186
D44CBB	377
D44D1	261
D44D2	261
D44D3	261
D44D4	261
D44D5	261
D44D6	261
D44E1	263
D44E2	263
D44E3	263
D44H1	377
D44H2	377
D44H3	377
D44H4	377
D44H5	377
D44H6	377
D44H7	377
D44H8	377
D44H10	377
D44H11	377
D44Q1	51
D44Q2	51
D44Q3	51
D44Q4	51
D44Q5	51
D44Q6	51
D44R1	198
D44R2	198
D44R3	198
D44R4	198
D44R5	198
D44R6	198
D44T1	51
D44T2	51
D44T3	51
D44T4	51
D44T5	51
D44T6	51
D44T7	51
D44T8	51
D44TD3	51
D44TD4	51
D44TE3	379
D44TE4	379
D44TE5	379
D44U1	51
D44U2	51
D44U3	51
D44U4	51
D44U5	51
D44U6	51
D44VM1	377
D44VM4	377
D44VM7	377
D44VM10	377
D45	162
D45C	116
D45C1	378
D45C2	378
D45C3	378
D45C4	378
D45C5	378
D45C6	378
D45C7	378
D45C8	378
D45C9	378
D45C10	378
D45C11	378
D45C12	378
D45CZ	116
D45D1	262
D45D2	262
D45D3	262
D45D4	262
D45D5	262
D45D6	262
D45E1	264
D45E2	264
D45E3	264
D45H1	378
D45H2	378
D45H3	378
D45H4	378
D45H5	378
D45H6	378
D45H7	378
D45H8	332
D45H9	378
D45H10	378
D45H11	378
D45H12	378
D45VM1	378
D45VM4	378
D45VM7	378
D45VM10	378
D46	162
D47	328
D47K1	1V030
D47K7	2V030
D48	116
D49	291
D50	87
D51	87
D51A	87
D52	87
D52A	87
D53	87
D53A	87
D55	181
D55A	181
D56	277§
D56K2	1V035
D56K8	2V035
D56W1	165
D56W2	165
D57	175
D58	175
D59	162
D60	162
D61	103A
D62	103A
D63	103A
D64	103A
D64DS5	99
D64DV5	99
D64ES5	99
D64EV5	99
D64VE3	385
D64VE4	385
D64VP3	385
D64VP4	385
D64VP5	386
D64VS3	386
D64VS4	386
D64VS5	386
D65	126A
D65-1	103A
D65C	116
D66	126A
D67	280
D67B	280
D67C	280
D67D	280
D67E	280
D68	130
D68K2	1V040
D68K10	2V040
D69	130
D70	175
D70G.05T1	2430
D70G.05T1A1	2430
D70G.05T1A2	2430
D70Y.8T1	2428
D70Y.8T1A3	2428
D71	175
D71G.05T1	2431
D71G.05T1B2	2431
D71L	175
D71Y.8T1	2429
D71Y.8T1B3	2429
D72	103A
D72-2C	103A
D72-3C	103A
D72-4C	103A
D72A	103A
D72B	103A
D72C	103A
D72RE	103A
D73	87
D73(Plastic)	331
D73(Korea)	331
D73A	87
D73B	87
D73C	87
D73D	280
D73E	87
D73-O(Korea)	331
D73-O(Plastic)	331
D73R(Korea)	331
D73R(Plastic)	331
D74	87
D74A	87
D74B	87
D74C	87
D74D	87
D74E	87
D74LS01ST	74LS01
D75	103A
D75A	103A
D75AH	103A
D75B	103A
D75C	103A
D75H	103A
D77(Transistor)	103A
D77(Diode)	177
D77A	103A
D77AH	103A
D77B	103A
D77C	103A
D77D	103A
D77H	103A
D77P	103A
D78	282§
D78A	282§
D78B	282§
D78C	282§
D78D	282§
D79	427/282§
D79A	427/282§
D79B	427/282§
D79C	427/282§
D79D	427/282§
D80	87
D81	87
D82	87
D82K2	1V050
D83	87
D84	87
D84BK2	2382♦
D84BL2	2382♦
D84CK2	2382♦
D84CL2	2382♦
D84CM2	2388♦
D84CN2	2388♦
D84DK2	2382♦
D84DL2	2382♦
D84K12	2V050
D85C	125
D86DR1	2386
D86DR2	2386
D88	87
D88A	87
D90	152
D91	152
D91F	152
D92	291
D92D	291
D92T0360B0	5037A
D93	375
D93T01100Y	5020A
D93T01200Y	5021T1
D93T02700Y	5033A
D93T03000Y	5035A
D94	375
D96	103A
D98-1.5A	8098
D98-3A	8098
D100	116
D100A	103A
D100K3	1V060
D100K15	2V060
D101	101
D101B	102A
D102	175
D102-0	175
D102-R	175
D102-Y	175
D103(TCO)	8103
D103(Trans)	175
D103-0	175
D103-R	175
D103-Y	175
D104	103A
D105	103A
D105B	102A
D105C	125
D108(TCO)	8108
D108(Rect)	125
D110	280
D110-0	280
D110-2A	8115
D110-R	280
D110-Y	280
D111	280
D111-0	280
D111-R	280
D111-Y	280
D113	181
D113-0	181
D113-R	181
D113-Y	181
D114	181
D114-0	181
D114-R	181
D114-Y	181
D115	8115
D116	130
D117	328
D118(Trans)	280
D118(TCO)	8118
D118BL	280
D118R	280
D118Y	280
D119	280
D119BL	280
D119R	280
D119Y	280
D120	324
D120A	324
D120B	324
D120C	324
D120H	324
D120HA	324
D120HB	324
D120HC	324
D120K1	1V075
D120K6	2V075
D121	282§
D121A	282§
D121B	282§
D121H	282§
D121HA	282§
D121HB	282§
D124	87
D124(Transistor)	280
D124(Rect.)	116(4)
D124A	87
D124AH	87
D124AHA	87
D124AHB	87
D124B	280
D125(Trans)	87
D125(TCO)	8125
D125A	87
D125AH	87
D125AHA	87
D125AHB	87
D126	87
D126-2A	8125
D126-3A	8125
D126-4A	8125
D126-5A	8125
D126A	87
D126AH	87
D126AHA	87
D126AHB	87
D126H	87
D126HA	87
D126HB	87
D127	103A
D127A	103A
D128	103A
D128A	103A
D129	175
D129-BL	175
D129-R	175
D129-Y	175
D130	175
D130-2A	8125
D130-3A	8125
D130-4A	8125
D130BL	175
D130GMA010	519
D130-R	175
D130-Y	175
D133(Chan.Master)	108
D134	126A
D134(Chan. Master)	102A
D135	102A
D139	8139
D141	152
D141(Chan.Master)	108
D141H01	152
D141H9Z	152
D142	175
D142(M)	175
D142M	175
D143	175
D144	175
D144S	116
D145	175
D145-2A	8149
D145-3A	8149
D145-4A	8149
D145-5A	8149
D146	226
D146UK	130
D149(TCO)	8149
D149(Trans)	128
D150	175
D150K1	1V095
D150K8	2V095
D151	328
D152	375
D152(RF Pwr)	195A
D152(Chan.Master)	195A
D154	152
D155	175
D155H	175
D155K	175
D155L	175
D156	158
D156A	124
D156B	124
D156C	124
D156F	124
D156FA	124
D156FB	124
D156FC	124
D157	124
D157A	124
D157B	124
D157C	124
D157F	124
D157FA	124
D157FB	124
D157FC	124
D158	286
D158A	286
D158B	286
D158C	286
D158F	286
D158FA	286
D158FB	286
D158FC	286
D159	286
D159A	286
D159B	286
D159C	286
D159F	286
D159FA	286
D159FB	286
D159FC	286
D160	107
D161	328
D162	103A
D163	130
D164	130
D165	385
D166	385
D167(TCO)	8167
D167(Trans)	103A
D170	103A
D170A	103A
D170AA	103A
D170AB	103A
D170AC	103A
D170B	103A
D170BC	103A
D170C	103A
D170PB	103A
D171	283
D172	130
D172A	130
D172B	130
D172C	130
D172-F	506
D173	160
D173A	130
D173B	130
D173C	130
D174	160
D174F	130
D174FA	130
D174FB	130
D174FC	130
D175	130
D175B	130
D175F	130
D175FA	130
D175FB	130
D175FC	130
D175M	130
D176	139A
D177	328
D177M	328
D178	103A
D178A	103A
D178Q	103A
D178T	103A
D180	87
D180A	87
D180B	87
D180C	87
D180D	87
D180K	87
D180K10	2V115
D180L	87
D180M	87
D180N	87
D181(Trans)	385
D181(TCO)	8181
D181A	385
D186	103A
D186A	103A
D186B	103A
D187	103A
D187A	103A
D187R	103A
D187Y	103A
D188	87
D188A	87
D188B	87
D188C	87
D188L	280
D188M	87
D188S	280
D189	280
D189A	280
D189AO	280
D189AP	280
D189AQ	280
D189AR	280
D189O	280
D189P	280
D189Q	280
D189R	280
D190	124
D191	103A
D192	103A
D193	103A
D194	103A
D195	103A
D195A	103A
D198	94
D198A	94
D198AP	94
D198AQ	94
D198AR	94
D198H	94
D198HQ	94
D198HR	94
D198Q	94
D198R	94
D198S	94
D198V	94
D199	164
D200	389
D200-4A	389
D200A	389
D201	87
D201(0)	87
D201M	87
D201M0	87
D201M-0	87
D201MV	87
D201MY	87
D201M-Y	87
D201O	87
D201Q	87
D201Y	87
D202	87
D203	87
D204	128
D204L	128
D205	427/128
D208	284
D211	130
D211-0	130
D211M	130
D211-O	130
D211Y	130
D212	130
D213(TCO)	8213
D213(Trans)	280
D214	280
D215	128
D-215-1	519
D215F	128
D215FA	128
D215FB	128
D215FC	128
D216	128
D216F	128
D216FA	128
D216FB	128
D216FC	128
D217	87
D217E	280
D217K	280
D217L	280
D217M	280
D218	87
D218K	87
D218L	87
D218M	87
D218S	87
D219	128
D219F	427/128
D220	116
D220-1M	515
D220-1N	515
D220F	427/128
D220M	116
D221	128
D221F	427/128
D222	427/324
D223	427/324
D224	427/324
D226(TCO)	8226
D226(Trans)	175
D226-0	175
D226A	175
D226AO	175
D226AP	175
D226AQ	175
D226AR	175
D226B	175
D226BO	175
D226BP	175
D226BQ	175
D226BR	175
D226P	175
D226Q	175
D226R	175
D227	85
D227(Diode) (ECB)	123AP
D227(Diode)	116
D227(Korea)	123AP
D227A	85
D227B	85
D227C	85
D227D	85
D227E	85
D227F	85
D227G(Korea)	123AP
D227L	85
D227MP	85
D227-O(Korea)	123AP
D227Q	85
D227Q(ECB)	123AP
D227R	85
D227S	85
D227V	85
D227V(ECB)	123AP
D227W	85
D227X	85
D227Y(Korea)	123AP
D228	192A
D228A	289A
D228B	289A
D228C	289A
D228D	289A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
D228E	289A
D229V	389
D230A	552
D230DFA05G	552
D231	181
D232	181
D233	128
D234	152
D234-0	152
D234-O	152
D234-R	152
D234R	152
D234-Y	152
D235	152
D235-0	152
D235D	152
D235G	152
D235GR	152
D235LB	152
D235LBY	152
D235-O	152
D235O	152
D235-R	152
D235R	152
D235T	152
D235Y	235
D235-Y	152
D236(Transistor)	175
D236(Rect.)	166
D237	175
D238	175
D238F	175
D241	152
D242(TCO)	8242
D242(Trans)	196
D243	291
D246	389
D249	181
D250	181
D251	286
D254	175
D255	175
D256	152
D257	196
D258	291
D-258	124
D259	291
D261	192A
D261(Korea)	123AP
D261A	192A
D261B	192A
D261C	192A
D261D	192A
D261E	192A
D261F	192A
D261G(Korea)	123AP
D261L	192A
D261-O(Korea)	123AP
D261P	192A
D261R	192A
D261R(Korea)	123AP
D261S	192A
D261V	192A
D261W	192A
D261Y(Korea)	123AP
D283	162
D284	384
D285	162
D286	109
D286D	198
D287	284
D287A	284
D287AQ	284
D287AR	284
D287AS	284
D287B	284
D287BQ	284
D287BR	284
D287BS	284
D287C	284
D287CQ	284
D287CR	284
D287CS	284
D280	196
D288(Korea)	241
D288A	196
D288B	196
D288C	196
D288K	196
D288L	196
D288M	196
D288R(Korea)	241
D289	196
D289A	196
D289B	196
D289C	196
D289K	196
D289L	196
D289M	196
D290	175
D290L	175
D291	175
D291A	175
D292	175
D292(Chan.Master)	107
D294	123A
D297	175
D299	389
D299B	238
D299SL	389
D299V	238
D300	389
D300B	389
D301	99
D308	199
D312	164
D313(Transistor)	152
D313(Zener)	135A
D313C	152
D313D	152
D313-E	152
D313E	152
D313F	152
D313HP(Trans)	152
D313M	152
D313RA(Trans)	152
D313RAD(Trans)	152
D313RAE(Trans)	152
D314	152
D314C	152
D314D	152
D314E	152
D314F	291
D315	152
D315C	152
D315D	152
D316	280
D317	152
D317A	396
D317AO	396
D317AP	396
D317AQ	396
D317F	152
D317O	396
D317P	152
D317Q	396
D318	152
D318A	396
D318AO	396
D318AP	396
D318AQ	396
D318Q	396
D318Q	396
D319	284
D319P	284
D319Q	284
D319R	284
D320	162
D320(Diode)	173BP§
D320F	173BP§
D321	283
D322	280
D322A	280
D322B	280
D322C	280
D323	280
D323A	280
D323B	280
D323C	280
D324	124
D324Q	124
D324R	124
D325	152
D325(E2)	152
D325C	152
D325D	152
D325E	152
D325E1	152
D325EZ	152
D326	277§
D327	85
D327A	85
D327B	85
D327C	85
D327D	85
D327E	85
D327F	85
D327-P	85
D327-Q	85
D327-R	85
D327-S	85
D327V	85
D327-W	85
D327Y	85
D328	123A
D328S	128
D329	396
D330	152
D330C	152
D330D	152
D330E	152
D331	152
D331C	152
D331D(Trans)	152
D331E	152
D331F	152
D332	87
D332C	280
D332D	280
D332E	280
D334	280
D334A	280
D334O	280
D334R	280
D336	297
D336R	297
D336Y	297
D340	280
D341	130
D341H	130
D342	123A
D343	152
D348	238
D350	165
D350A	165
D350Q	165
D350T	165
D351	283
D352	103A
D352A	103A
D352B	103A
D352C	103A
D352D	103A
D352E	103A
D352F	103A
D352G	103A
D352H	103A
D352I	103A
D352K	103A
D352L	103A
D352R	103A
D352S	103A
D352T	103A
D352V	103A
D353	162
D355(BCE)	293
D355C(BCE)	293
D355D(BCE)	293
D355E(BCE)	293
D356	291
D356C	291
D356D	291
D357	291
D357C	291
D357D	291
D358	291
D358C	291
D358D	291
D359	152
D359C	152
D359C2	152
D359D	152
D359D1	152
D359D2	152
D360	152
D360C	152
D360D	152
D361	152
D361C	152
D361D	152
D362N(Plastic)	54
D362R(Plastic)	54
D363(Plastic)	379
D365A	196
D365AO	196
D365AP	196
D365AQ	196
D365B	152
D365H	152
D365P	152
D366A	196
D366AO	196
D366AP	196
D366AQ	196
D366-O	152
D366P	152
D366Q	152
D367	103A
D367A	103A
D367B	103A
D367C	103A
D367D	103A
D367E	103A
D367F	103A
D367P	103A
D368	238
D369	284
D369-0	284
D369-O	284
D369-Y	284
D370	280
D371	87
D371-0	284
D371-R	284
D371-Y	284
D372BL	123A
D375	328
D376	385
D376A	385
D377	385
D379	280
D379P	280
D379Q	280
D379R	280
D379S	280
D380	165
D380A	165
D381	291
D381A	291
D381K	291
D381L	291
D381M	291
D381N	291
D382	152
D382K	291
D382L	291
D382LM	152
D382M	291
D382N	291
D383	283
D386	375
D386A	375
D386AC	375
D386AD	375
D386AE	375
D386AY	375
D386C	375
D386D	375
D386E	375
D386F	375
D386Y	375
D386Y-D	375
D386Y-E	375
D387	375
D387AC	375
D387AD	375
D387AE	375
D387AF	375
D387AS	375
D387C	375
D387D	375
D387E	375
D387F	375
D388	87
D388Q	280
D388R	280
D388S	280
D389	152
D389-0	152
D389A	196
D389AF	196
D389AF0	152
D389AF-0	196
D389AFO	196
D389AF-P	196
D389AFP	152
D389AO	196
D389AP	196
D389B	152
D389BL	152
D389BLB	152
D389BLB-0	152
D389BLB-O	152
D389BLB-OP	152
D389BLB-P	152
D389BP	152
D389BQ	152
D389LB	152
D389LBQ	152
D389-O	152
D389-OP	152
D389Q	152
D390A	196
D390AO	196
D390AP	196
D390AQ	196
D390O	196
D390Q	196
D392(BCE)	85
D392C(BCE)	85
D392D(BCE)	85
D392E(BCE)	85
D400	293
D400(Rect.)	116
D400(Transistor)	293
D400D	382
D400E	382
D400F	382
D401	375
D401(Korea)	375
D401A	375
D401AK	375
D401AL	375
D401AM(Trans)	375
D401E	375
D401EK	375
D401EX	375
D401H	375
D401I	375
D401K	375
D401L	375
D401LA	291
D401M	375
D401-O	375
D401R	375
D401R(Trans)	375
D401Y	375
D401Y(Trans)	375
D402	375
D402A	375
D402AK	375
D402AL	375
D402AM	375
D411	247
D411(RAM)	2107
D411-1(RAM)	2107
D411-2(RAM)	2107
D411A(RAM)	2107
D411A-1(RAM)	2107
D411AC(RAM)	2107
D411AC-2(RAM)	2107
D411C(RAM)	2107
D411C-1(RAM)	2107
D411C-2(RAM)	2107
D411D(RAM)	2107
D411D-1(RAM)	2107
D411D-2(RAM)	2107
D413	154
D414	373
D414Q	373
D414R	373
D414S	373
D415	373
D415(Korea)	287
D415-O(Korea)	287
D415Q	373
D415R	373
D415R(Korea)	287
D415S	373
D416	238
D416(RAM)	2117
D416C(RAM)	2117
D417	87
D418	165
D422	384
D423	384
D424	284
D424-0	375
D424-R	284
D425	280
D425O	280
D426	280
D426O	280
D426R	280
D427	280
D427O	280
D427R	280
D428	87
D431-F	506
D437W	385
D438	382
D438D	382
D438E	382
D438F	382
D439	373
D439D	373
D439E	373
D439F	373
D458	283
D458Q	283
D458R	283
D459	263
D463	243
D467	85
D467A	85
D467AC	85
D467B	85
D467-C	85
D467C	85
D467D	85
D468	293
D468A	287
D468B	287
D468C	287
D468D	287
D469	280
D470	321
D470A	321
D471	293
D471K	293
D471KA(Trans)	293
D471L	293
D471LA(Trans)	293
D471M	293
D471MA(Trans)	293
D471P(Trans)	293
D471Q(TRANS)	293
D471R(Trans)	293
D473	249
D473H	249
D476	196
D476A	196
D476AK	377
D476AKB	377
D476AKC	377
D476B	196
D476C	196
D476K	377
D476KB	377
D476KC	377
D476YL	196
D477	152
D478	375
D478B	375
D478B(Trans)	375
D478BS	375
D478C	375
D478C(Trans)	375
D478CS	375
D478D	375
D478D(Trans)	375
D478WT	375
D478Y	375
D478YL	375
D500	116
D513	152
D517	389
D519	384
D523	243
D524	249
D525	54
D525(DIODE)	177
D525-O	54
D525R	54
D525Y	54
D526	241
D526-0	241
D526-O	241
D526Y	241
D533	283
D535	388
D536	284◆
D537	284◆
D538	386
D538A	386
D541	387
D545	293
D545E	293
D545F	293
D546	369
D551	284
D551-O	284
D551-R	284
D552	388
D553(Trans)	54
D553-O(Trans)	54
D553-Y(Trans)	54
D555	87
D555Q	388
D555R	388
D555S	288
D556	284
D557	284
D562	108
D564L	193
D564M	193
D565	97
D568	197
D568K	196
D568L	196
D568M	196
D569	196
D569K	196
D569L	196
D569M	196
D570	196
D570P	196
D570Q	196
D570R	196
D571	293
D571K	293
D571L	293
D571M	293
D575	389
D575L	389
D576	154
D577	165
D582	284
D582A	284
D586	380
D586Q	380
D586R	380
D586S	380
D587	380
D587A	380
D587AQ	380
D587AR	380
D587AS	380
D587Q	380
D587R	380
D587S	380
D588	380
D588Q	380
D588R	380
D588S	380
D591	199
D591R	199
D591S	199
D592(Trans)	293
D592A(Trans)	293
D592AQ(Trans)	293
D592AR(Trans)	293
D592NC(Trans)	85
D592Q	85
D592Q(Trans)	293
D592R(Trans)	293
D596(Trans)	2406
D596DV1(Trans)	2406
D596DV2(Trans)	2406
D596DV3(Trans)	2406
D596DV4(Trans)	2406
D596DV5(Trans)	2406
D597	87
D598	87
D599	199
D599E	199
D600	373
D600D	373
D600E	373
D600K	373
D600KD	373
D600KE	373
D601(Trans)	2408
D601A(Trans)	2408
D601AQ(Trans)	2408
D601AR(Trans)	2408
D601AS(Trans)	2408
D601Q(Trans)	2408
D601R(Trans)	2408
D601S(Trans)	2408
D602(Trans)	2406
D602A(Trans)	2406
D602AQ(Trans)	2406
D602AR(Trans)	2406
D602AS(Trans)	2406
D602Q(Trans)	2406
D602R(Trans)	2406
D602S(Trans)	2406
D603	289A
D603O	289A
D603P	289A
D603Q	289A
D603R	289A
D603S	199
D603T	199
D608	375
D608Q	375
D608R	375
D608S	375
D610	375◆
D611	284
D612	184
D612D(Trans)	184
D612E(Trans)	184
D612F(Trans)	184
D612K	184
D612KD(Trans)	184
D612KE(Trans)	184
D612KF(Trans)	184
D613	377◆
D613C	377◆
D613D	377◆
D613E	377◆
D613P	380
D613PC	380
D613PD	380
D613PE	380
D616	87
D617(DARL)	247◆
D618	130
D619	306
D621(TRANS)	62
D622	384
D624	154
D625	228A
D627	389
D628	247
D628H	247
D629	247
D629H	247
D632	94
D632P	389
D632Q	389
D632R	389
D633	261
D634	261
D635	261
D636(Trans)	16
D636Q	16
D636QR(Trans)	16
D636QRS(Trans)	16
D636R	16
D636RP(Trans)	16
D636S	16
D637(Trans)	16◆
D637CR(Trans)	16◆
D637P(Trans)	16◆
D637PQ(Trans)	16◆
D637PQR(Trans)	16
D637Q	16◆
D637QR(Trans)	16◆
D637QRS(Trans)	16◆
D637R	16◆
D637RS(Trans)	16◆
D637S	16◆
D638(Trans)	18
D638Q	18
D638R	18
D638S(Trans)	18
D639(Trans)	18
D639P(Trans)	18
D639Q(Trans)	18
D639R	18
D639S(Trans)	18
D640	283
D641	386
D649	165
D649Q	165
D654	128
D656	175
D657	162
D658	165
D658H	165
D661(BCE)	199
D661RS(Trans)	16
D662(BCE)	199
D662P(BCE)	199
D662Q(BCE)	199
D664	261
D665	388
D666	382
D666A	382
D666AB	382
D666AC	382
D666B	382
D666C	382
D667	382
D667A	382
D667AB	382
D667AC	382
D667AD	382
D667B	382
D667C	382
D667D	382
D668	373
D668A	373
D668AB	373
D668AC	373
D668AD	373
D668B	373
D668C	373
D669	373
D669A	373
D669AB	373
D669AC	373
D669B	373
D669C	373
D670	249
D670H	249
D672	162
D673	87
D673A	87
D673AB	87
D673AC	87
D673B	87
D673C	87
D674	87
D674A	87
D674AB	87
D674AC	87
D674B	87
D674C	87
D675	284
D675A	284
D675AA	284
D675AB	284
D675AC	284
D675B	284
D675C	284
D676	284
D676A	284
D676AA	284
D676AB	284
D676AC	284
D676B	284

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
D676C	284
D677(Trans)	53
D678	261
D678A	261
D679	261
D679A	261
D686	37
D687	261
D689	291
D690	384
D690-O	384
D691	261
D691P(Trans)	247
D691Q(Trans)	247
D692(Trans)	261
D692P(Trans)	261
D692Q(Trans)	261
D696S	13
D704	377
D704D	377
D704E	377
D710A(Trans)	2406
D711(Darl)	98
D711A(Darl)	98
D712	379
D712D	291
D713	331
D713C	331
D713D	331
D715	270
D715K	270
D715L	270
D716	36
D716-O	36
D716-R	36
D717	390
D717-O	390
D718	36
D718-O	36
D718Q(Trans)	36
D718-R	36
D721(Trans)	261
D722(Trans)	261
D723	291
D724	379
D725	165
D725-06	238
D726	291
D726A	291
D726B	291
D726C	291
D726D	291
D727	392◆
D727P	392◆
D727Q	392◆
D727R	392◆
D728	392◆
D728P	392◆
D728Q	392◆
D728R	392◆
D729	251
D729H	251
D732	87
D732K	87
D733	280
D733C	280
D733D	280
D733E	280
D733F	280
D733K	284
D733KC	284
D733KD	284
D733KE	284
D733KF	284
D734	85
D734D	85
D734E	85
D734F	85
D734G	85
D734NP(Trans)	85
D735	92
D735B	92
D735C	92
D736	92
D736A	92
D736AB	92
D736AC	92
D736B	92
D736C	92
D738	92
D738A	92
D738AB	92
D738AC	92
D738B	92
D738C	92
D743(Trans)	291
D743A(Trans)	291
D745	92
D745A	92
D745AQ	92
D745AR	92
D745AS	92
D745B	92
D745BQ	92
D745BR	92
D745BS	92
D745Q	92
D745R	92
D745S	92
D748	87
D748-01(Trans)	87
D748A	87
D749	283
D750	284
D750P(Trans)	284
D750Q(Trans)	284
D754	123AP
D754B	123AP
D754C	123AP
D755	90
D756	90
D756A	90◆
D756E	90
D756G	90
D759	375
D759A	375
D759B	375
D759C	375
D759D	375
D760 (TRANS)	375
D761	375◆
D761C	375◆
D761D	375◆
D761E	375◆
D761VR	375◆
D761VRD	375◆
D761VRE	375◆
D762	152
D762A(Trans)	196
D762AO(Trans)	196
D762AP(Trans)	196
D762AQ(Trans)	196
D762P	152
D762Q	152
D762Q(Trans)	152
D763	382
D764	389
D765	389
D766	369
D766P	369
D766Q	369
D766R	369
D767(Trans)	289A
D767Q	289A
D768(Trans)	2343
D768K(Trans)	2343
D772(Trans)	51
D772A(Trans)	51
D772B(Trans)	51
D773(TRANS)	293
D773K(TRANS)	293
D773L(TRANS)	293
D774	382◆
D774(Trans)	382
D774-3	382
D774-3(TRANS)	382
D774-4(Trans)	382
D774K(Trans)	382
D774L(Trans)	382
D776	86
D776RW	86
D778(BCE)	85
D778Q(BCE)	85
D778R(BCE)	85
D779(BCE)	85
D780(Trans)	2410
D780A(Trans)	2410
D780AD51(Trans)	2410
D780AD52(Trans)	2410
D780AD53(Trans)	2410
D780C-1	3880
D780C-1(IC)	3880
D780C-1(MPU)	3880
D780DW1(Trans)	2410
D780DW2(Trans)	2410
D780DW3(Trans)	2410
D782	379
D783	379
D786(TRANS)	85
D786Q(TRANS)	85
D786R(TRANS)	85
D788(Trans)	293
D789	315
D789B	315
D789C	315
D789D	315
D790	382
D790B	382
D790C	382
D792	165
D794A	184
D794AD	184
D794AP(Trans)	184◆
D794AQ(Trans)	184◆
D794P	184
D794Q	184
D795(Trans)	54
D795A(Trans)	54
D795AQ(Trans)	54
D795P(Trans)	54
D795R(Trans)	54
D797	387
D797-O	387
D797-Y	387
D800	125
D803	247
D803Q	247
D804	152
D804B	152
D804H	152
D804HLB	152
D804L	152
D804-O	152
D804P	152
D804Q	152
D807	165
D807M(Trans)	165
D811	2310#
D812(Trans)	54
D812P(Trans)	54
D812Q(Trans)	54
D812R(Trans)	54
D813(Trans)	2406
D813P(Trans)	2406
D813Q(Trans)	2406
D813R(Trans)	2406
D814(Trans)	2410
D814Q(Trans)	2410
D814R(Trans)	2410
D814S(Trans)	2410
D818	389
D819	389
D820	165
D820-1(Trans)	165
D821	165
D822	165
D823	379
D824A	92
D824AB	92
D824AC	92
D825A	92
D825AB	92
D825AC	92
D831	98◆
D833(Trans)	263◆
D836	261
D836A	261
D836AQ(Trans)	261
D836Q	261
D836R	261
D837	261
D837A	261
D837AQ	261
D837AR	261
D837B(Trans)	261
D837LB(Trans)	261
D837P(Trans)	261
D837Q	261
D837R	261
D838(TRANS)	62
D841	51
D842 (TRANS)	2349
D843	377
D843-O	377
D844	36
D844-O	36
D845	33
D845O	33
D845R	33
D847(Trans)	2304
D847A(Trans)	2304
D847B(Trans)	2304
D847C(Trans)	2304
D848A(Trans)	380
D849	389
D850	389
D855(Trans)	54
D855A(Trans)	54
D855P(Trans)	54
D855Q(Trans)	54
D855R(Trans)	54
D856(Trans)	54
D856A(Trans)	54
D856LB(Trans)	54
D856M(Trans)	54
D856MLB(Trans)	54
D856P(Trans)	54
D856Q(Trans)	54
D856R(Trans)	54
D857(Trans)	54
D857(IC)	1199
D857A(Trans)	54
D857AP(Trans)	54
D857AQ(Trans)	54
D857AR(Trans)	54
D857C(IC)	1199
D857P(Trans)	54
D857Q(Trans)	54
D857R(Trans)	54
D858	390
D858(IC)	1198
D858A	390
D858AQ(Trans)	390
D858AR(Trans)	390
D858C(IC)	1198
D858Q(Trans)	390
D858R(Trans)	390
D859(Trans)	198
D859A	198
D859AQ(Trans)	198
D859AR(Trans)	198
D859Q(Trans)	198
D859R(Trans)	198
D860	198
D860A	198
D860AQ(Trans)	198
D860AR(Trans)	198
D860Q(Trans)	198
D860R(Trans)	198
D861	1254
D861C	1254
D861CE	1254
D861E	1254
D863	382
D863AR(Trans)	261
D863D	382
D863E	382
D863F	382
D864K(TRANS)	261◆
D866(Trans)	54
D866A(Trans)	54
D866AP(Trans)	54
D866AQ(Trans)	54
D866AR(Trans)	54
D866P(Trans)	54
D866Q(Trans)	54
D866R(Trans)	54
D867	280
D868	89
D869	89
D869B(Trans)	89
D869FA(Trans)	89
D869-L(Trans)	89
D869S	89
D870	89
D870A	89
D870FA(Trans)	89
D870Z(Trans)	89
D871	89
D871Z(Trans)	89
D872	379
D873	388
D874(Trans)	2428
D874A(Trans)	2428
D874AQ(Trans)	2428
D874AR(Trans)	2428
D874AS(Trans)	2428
D874Q(Trans)	2428
D874R(Trans)	2428
D874S(Trans)	2428
D875(Trans)	2428
D875P(Trans)	2428
D875Q(Trans)	2428
D875R(Trans)	2428
D875S(Trans)	2428
D877	175
D877-O	175
D877-Y	175
D878	328
D880	152
D880-O	152
D882(TRANS)	184◆
D882P(Trans)	184
D882Q(Trans)	184
D882R(Trans)	184
D884	379
D886(TRANS)	56
D886A(Trans)	56
D886AQ(Trans)	56
D886Q(Trans)	56
D889(Trans)	85
D889P(Trans)	85
D889Q	85
D889R	85
D889T	199
D890(Trans)	26
D890P	26
D890Q	26
D890R	26
D890S	26
D891A(ECB)	46
D891Trans)	172A
D892(ECB)	46
D892A(ECB)	46
D892AP(ECB)	46
D892AQ(ECB)	46
D892AR(ECB)	46
D892P(ECB)	46
D892Q(ECB)	46
D892R(ECB)	46
D893(ECB)	48◆
D893A(ECB)	48◆
D893AP(ECB)	48◆
D893AQ(ECB)	48◆
D893AR(ECB)	48◆
D893P(ECB)	48◆
D893Q(ECB)	48◆
D893R(ECB)	48◆
D895(TRANS)	36
D895D(TRANS)	36
D895E(TRANS)	36
D896(TRANS)	36
D896D(TRANS)	36
D896E(TRANS)	36
D897	89
D897A	89
D898	89
D898A	89
D898D	89
D899	89
D900	89
D900A(Trans)	89
D900B(Trans)	89
D900B-06	89
D903	89
D904	89
D904K(Trans)	89
D904P(Trans)	89
D905	238
D907(Trans)	36
D908(TRANS)	36
D909(Trans)	2305#
D910(TRANS)	36
D911(TRANS)	284
D912	123A
D912(T03)	284
D913(Trans)	387
D914(Trans)	387
D914(Diode)	519
D916(Trans)	261
D917(Trans)	2308
D919(BCE)	85
D919Q(BCE)	289A
D919R(BCE)	289A
D920(Trans)	2307
D921(Trans)	2307
D929	2307
D931(Trans)	2307
D946	253
D946A	253
D946AP	253
D946P	253
D947	253
D947(Trans)	253#
D950	389
D950Q	389
D951	389
D951Q(Trans)	389
D952	389
D953	165
D956	89
D957	89
D957-03(Trans)	89
D957A(Trans)	89
D957A-03(Trans)	89
D958S	90
D958T	90
D958U	90
D959(TRANS)	54
D959Q(Trans)	54
D959R(Trans)	54
D960(TRANS)	54
D960Q(Trans)	54
D961(TRANS)	54
D961Q(Trans)	54
D961R(Trans)	54
D965Q	11
D968(Trans)	2430
D968A(Trans)	2430
D968AP(Trans)	2430
D968AQ(Trans)	2430
D968AR(Trans)	2430
D968AS(Trans)	2430
D968P(Trans)	2430
D968Q(Trans)	2430
D968R(Trans)	2430
D968S(Trans)	2430
D969(Trans)	18
D969P	18
D969Q	18
D969R	18
D970(Trans)	2343
D970K(Trans)	2343
D972(Trans)	2334
D973(Trans)	20
D973A	22
D973AQ	22
D973AR	22
D973Q	20
D973R	20
D975	112
D976	379
D976A	379
D979(Trans)	2316#
D985(Trans)	253
D986(Trans)	253
D987(TRANS)	379
D993	89
D993A(Trans)	89
D994(Trans)	89
D999(Trans)	2428
D999CK(Trans)	2428
D999CL(Trans)	2428
D999CM(Trans)	2428
D999K(Trans)	2428
D999L(Trans)	2428
D999M(Trans)	2428
D1000	125
D1000 (Trans)	2428
D1000K (Trans)	2428
D1000L (Trans)	2428
D1000LK (Trans)	2428
D1000LL (Trans)	2428
D1000LM(Trans)	2428
D1000M (Trans)	2428
D1001 (Trans)	2428
D1001EK (Trans)	2428
D1001EL (Trans)	2428
D1001EM-(Trans)	2428
D1001K (Trans)	2428
D1001L (Trans)	2428
D1001M (Trans)	2428
D1003(MOV)	1V060
D1010(Trans)	199
D1010R(Trans)	199
D1011(Trans)	90
D1011R(Trans)	90
D1012(Trans)	382◆
D1012F(Trans)	382◆
D1012G(Trans)	289A◆
D1016(Trans)	89
D1017(TRANS)	394
D1018(TRANS)	394
D1020(Trans)	293◆
D1020(TRANS)	293
D1020E(Trans)	293◆
D1020F(Trans)	293◆
D1020H(Trans)	293◆
D1020J(Trans)	293◆
D1020M(Trans)	293◆
D1021(Trans)	293◆
D1021E(Trans)	293◆
D1021F(Trans)	293◆
D1021H(Trans)	293◆
D1021J(Trans)	293◆
D1021M(Trans)	293◆
D1029(Trans)	152
D1031 (TRANS)	2343
D1032(Trans)	390
D1032A(Trans)	390
D1032AQ(Trans)	390
D1032AR(Trans)	390
D1032Q	390
D1032Q(Trans)	390
D1032R	390
D1032R(Trans)	390
D1041	1013
D1044(Trans)	270
D1044-O	215
D1044-P	215
D1044Q(Trans)	270
D1046(TRANS)	36
D1046D(TRANS)	36
D1046E(TRANS)	36
D1047(TRANS)	36
D1047D(TRANS)	36
D1047-E	36
D1048 (Trans)	2406
D1048X6 (Trans)	2406
D1049	392
D1052(TRANS)	56
D1052A(TRANS)	56
D1052AFA(Trans)	56
D1054(TRANS)	52
D1055(TRANS)	293◆
D1055(Trans)	20◆
D1055P	20◆
D1055P(TRANS)	293◆
D1055Q	20◆
D1055Q(TRANS)	293◆
D1060(TRANS)	377
D1060Q(TRANS)	377
D1060R(TRANS)	377
D1061(Trans)	377
D1061Q(Trans)	377
D1062(TRANS)	377
D1062Q(TRANS)	377
D1062R(TRANS)	377
D1063(TRANS)	2304
D1063Q(TRANS)	2304
D1063R(Trans)	2304
D1063S(Trans)	36
D1064(TRANS)	2304
D1064Q(TRANS)	2304
D1064R(Trans)	2304
D1064S(Trans)	2304
D1065	2304
D1065-Q	2304
D1065-R	2304
D1065-S	2304
D1081	394
D1090	2307
D1092(Trans)	2330
D1101	312
D1101 (Trans)	2406
D1101B (Trans)	2406
D1101C(Trans)	2406
D1102	312
D1105(Trans)	388
D1109(TRANS)	390
D1110	1014
D1110(TRANS)	36
D1110AR(Trans)	36
D1110AS(Trans)	36
D1110R(Trans)	36
D1110S(Trans)	36
D1117(TRANS)	377
D1126(Trans)	2343
D1126K(Trans)	2343
D1127(Trans)	2343
D1127K(Trans)	2343
D1131(TRANS)	291
D1132(TRANS)	291
D1133(TRANS)	291
D1134(TRANS)	291
D1134C	291
D1135(TRANS)	291
D1135-5(Trans)	291
D1135B	291
D1135C(Trans)	291
D1137	291
D1138B(Trans)	375
D1138C(Trans)	375
D1138D(Trans)	375
D1139B(Trans)	375
D1148(Trans)	36
D1148Q(Trans)	36
D1148R(Trans)	36
D1154(Trans)	283
D1154P(Trans)	283
D1154Q(Trans)	283
D1154R(Trans)	283
D1168	165
D1169(Trans)	2326◆
D1169Q(Trans)	2326◆
D1170(Trans)	270◆
D1172(Trans)	89
D1172S	116
D1174(Trans)	89
D1175(Trans)	89
D1176(Trans)	261
D1176A(Trans)	261
D1176AQ(Trans)	261
D1176AR(Trans)	261
D1176Q(Trans)	261
D1176R(Trans)	261
D1180	456
D1183(Trans)	238
D1184(Trans)	238
D1185(Trans)	238
D1186(Trans)	238
D1189(Trans)	184#
D1189P	184#
D1190(Trans)	263
D1191(Trans)	263
D1192(Trans)	263
D1194(Trans)	261
D1195(Trans)	261
D1196(Trans)	263
D1199	16
D1199R	16
D1200	184#
D1200P	184#
D1201	53
D1201(MOV)	1V075
D1201A	125
D1201B	125
D1201D	125
D1201F	116
D1201M	125
D1201N	125
D1201P	125
D1202	B40240
D1202(TRANS)	53
D1202A	B40240
D1203(TRANS)	53
D1204(TRANS)	53
D1206(Trans)	16◆
D1206P	16◆
D1206Q	16◆
D1206R	16◆
D1206S	16◆
D1209(Trans)	2341
D1209K(Trans)	2341
D1210	B40240
D1210A	B40240
D1211(Trans)	31
D1211Q(Trans)	31
D1211R(Trans)	31
D1213	392#
D1213-Q	392#
D1213-R	392#
D1217(Trans)	2332
D1217P(Trans)	2332
D1217Q(Trans)	2332
D1217R(Trans)	2332
D1218(Trans)	2334
D1218P(Trans)	2334
D1218Q(Trans)	2334
D1218R(Trans)	2334
D1219(Trans)	2336◆
D1219P(Trans)	2336◆
D1219Q(Trans)	2336◆
D1219R(Trans)	2336◆
D1225	B40240
D1225A	B40240
D1225M	20
D1225MP	20
D1225MQ	20
D1225MR	20
D1226M	20
D1226MLQ	18
D1226MQ	20
D1226MR	20
D1227M	20
D1227MLQ	20
D1227MP	20
D1227MQ	20
D1227MR	20
D1228M	18
D1228MP	18
D1228MQ	18
D1228MR	18
D1229	214
D1229-Y	214
D1230	215
D1230-Y	215
D1231(Trans)	249
D1232(Trans)	249
D1233(Trans)	249
D1235(TRANS)	54
D1235Q(Trans)	54
D1235R(Trans)	54
D1235S(Trans)	54
D1236(TRANS)	54
D1236Q(Trans)	54
D1236R(Trans)	54
D1236S(Trans)	54
D1237(TRANS)	54
D1237Q(Trans)	54
D1237R(Trans)	54
D1237S(Trans)	54
D1240	B40240
D1241	390#
D1242	390#
D1243	36
D1244	11
D1248(Trans)	2343
D1248K(Trans)	2343
D1263(Trans)	198#
D1263A	198#
D1263AQ	198#
D1263AR	198#
D1263Q	198#
D1263R	198#
D1264(Trans)	375#
D1264P	375#
D1264Q	375#
D1265(Trans)	377#
D1265A	377#
D1265A-O	377#
D1265AP	377#
D1265AQ	377#
D1265LB	377#
D1265-O	377#
D1265-OP(Trans)	377#
D1265P	377#
D1265Q	377#
D1266	377#
D1266A	377#
D1266AQ	377#
D1266AR	377#
D1266Q	377#
D1266R	377#
D1267	377#

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
D1267A	377#
D1267AQ	377#
D1267AR	377#
D1267Q	377#
D1267R	377#
D1268	54#
D1268Q	54#
D1268R	54#
D1269	54#
D1269Q	54#
D1269R	54#
D1270	54#
D1270Q	54#
D1270R	54#
D1271	54#
D1271A	54#
D1271AQ	54#
D1271AR	54#
D1271Q	54#
D1271R	54#
D1273	56
D1273A	56
D1273AQ	56#
D1273AP	56
D1273AQ	56
D1273P	56
D1273Q	56
D1274	54#
D1275(Trans)	261#
D1275A (TRANS)	261#
D1275AP (TRANS)	261#
D1275AQ (TRANS)	261#
D1275AR (TRANS)	261#
D1275P(TRANS)	261#
D1275Q(TRANS)	261#
D1275R (TRANS)	261#
D1276(Trans)	261#
D1276 (TRANS)	261#
D1276A(Trans)	261#
D1276A(TRANS)	261#
D1276AP (TRANS)	261#
D1276AQ(Trans)	261#
D1276AQ (TRANS)	261#
D1276AR(Trans)	261#
D1276AR (TRANS)	261#
D1276P (TRANS)	261#
D1276Q(Trans)	261#
D1276Q(TRANS)	261#
D1276R(Trans)	261#
D1276R (TRANS)	261#
D1277 (TRANS)	261#
D1277A(Trans)	261#
D1277AP(TRANS)	261#
D1277AQ(TRANS)	261#
D1277AR(TRANS)	261#
D1277P (TRANS)	261#
D1277Q (TRANS)	261#
D1277R (TRANS)	261#
D1280 (Trans)	2428
D1280Q (Trans)	2428
D1280R(Trans)	2428
D1280S(Trans)	2428
D1287(Trans)	99
D1289(Trans)	36
D1289R(Trans)	36
D1290	2302
D1291	2302
D1292(Trans)	31
D1292P	31
D1292Q	31
D1293(Trans)	22
D1293P	22
D1293Q	22
D1293QD	22
D1293R	22
D1301	312
D1302	312
D1303	312
D1306(Trans)	2406
D1306D(Trans)	2406
D1308(Trans)	2326
D1308L(Trans)	2326
D1308M(Trans)	2326
D1309(Trans)	2326
D1309K(Trans)	2326
D1309L(Trans)	2326
D1309M(Trans)	2326
D1312	24
D1314	2317#
D1315(Trans)	2326◆
D1315Q(Trans)	2326◆
D1319(Trans)	2340
D1319P(Trans)	2340
D1319Q(Trans)	2340
D1319R(Trans)	2340
D1320(Trans)	2340
D1320P(Trans)	2340
D1320Q(Trans)	2340
D1320R(Trans)	2340
D1321(Trans)	2340
D1321P(Trans)	2340
D1321Q(Trans)	2340
D1321R(Trans)	2340
D1325(Trans)	2336
D1325P(Trans)	2336
D1325Q(Trans)	2336
D1326(Trans)	2336
D1326P(Trans)	2336
D1326Q(Trans)	2336
D1326R(Trans)	2336
D1327(Trans)	2336
D1327P(Trans)	2336
D1327Q(Trans)	2336
D1327R(Trans)	2336
D1328(Trans)	2406
D1328R(Trans)	2406
D1329K(Trans)	2334
D1330(Trans)	13
D1330BL	13
D1330GN	13
D1330-OR	13
D1330S	13
D1330T	13
D1332	36
D1332(Trans)	36
D1332P(Trans)	36
D1332-Q	36
D1332Q(Trans)	36
D1332-R	36
D1333	36
D1334	36
D1334-C	291
D1335	36
D1336(Trans)	2326
D1341P(Trans)	165
D1342P(Trans)	89
D1344P(Trans)	89
D1351(Trans)	152
D1351-O(Trans)	152
D1351Y(Trans)	152
D1352(Trans)	291
D1352O(Trans)	291
D1352R(Trans)	291
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D1353-GR	56#
D1353-V	56#
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D1354-O	377#
D1354-Y	377#
D1355	54#
D1355-O	54#
D1355-R	54#
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D1356-R	241#
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D1362-0	377◆
D1363	377#
D1363-O	377#
D1363-Y(Trans)	377#
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D1366A(Trans)	2406
D1366AB(Trans)	2406
D1366AC(Trans)	2406
D1366AD(Trans)	2406
D1368(Trans)	2428
D1368A(Trans)	2428
D1368B(Trans)	2428
D1373	394#
D1377(Trans)	2343
D1377K(Trans)	2343
D1378	373
D1378P	373
D1378Q	373
D1379	253◆
D1380(Trans)	184
D1380P	184
D1381(Trans)	373#
D1381P	373#
D1381Q	373#
D1382(Trans)	373
D1382P	373
D1382Q	373
D1383K(Trans)	2404
D1383KA(Trans)	2404
D1383KB(Trans)	2404
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D1391	2302
D1392(Trans)	2334#
D1392L(Trans)	2334#
D1392M(Trans)	2334#
D1393(Trans)	2332
D1394(Trans)	2334
D1395(Trans)	2334
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D1397	2302
D1397-B	2302
D1398	2302
D1398S(Trans)	2302
D1398S-CA(Trans)	2302
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D1402B(CBE)	123AP
D1402C(CBE)	123AP
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D1406Y	377#
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D1407-0	54#
D1407-R	331#
D1407-Y	54#
D1408	291#
D1408-O	291#
D1408-R	291#
D1408-Y	54#
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D1411-O	54#
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D1427-LB(Trans)	2302
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D1433	2300#
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D1442A(Trans)	377
D1442AQ(Trans)	377
D1442AR(Trans)	377
D1442Q(Trans)	377
D1443(Trans)	377
D1443A(Trans)	377
D1443AQ(Trans)	377
D1443AR(Trans)	377
D1443Q(Trans)	377
D1443R(Trans)	377
D1444(Trans)	377
D1444A(Trans)	377
D1444AQ(Trans)	377
D1444AR(Trans)	377
D1444Q(Trans)	377
D1444R(Trans)	377
D1445(Trans)	377#
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D1445AR(Trans)	377#
D1445Q(Trans)	377#
D1445R(Trans)	377#
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D1454	2301#
D1455	2302
D1456	2300#
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D1459R(Trans)	375◆
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D1475Q(Trans)	377#
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D1476(Trans)	377
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D1486(Trans)	36
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D1486R(Trans)	36
D1487(Trans)	36
D1487Q(Trans)	36
D1487R(Trans)	36
D1488(Trans)	36
D1488Q(Trans)	36
D1488R(Trans)	36
D1491(Trans)	2338
D1491K(Trans)	2338
D1491L(Trans)	2338
D1491M(Trans)	2338
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D1493	2301#
D1494	2301#
D1495	2301#
D1496	2301#
D1497	2300#
D1497-06(Trans)	2300#
D1498	2300#
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D1499P(Trans)	54#
D1499Q(Trans)	54#
D1499R(Trans)	54#
D1501(MOV)	1V095
D1503	2309
D1510(Trans)	261#
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D1510P (TRANS)	261#
D1510Q(Trans)	261#
D1510Q (TRANS)	261#
D1510R(Trans)	261#
D1510R (TRANS)	261#
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D1521(Trans)	2338
D1522	2316#
D1523	2317#
D1524	2316#
D1541(Trans)	2302
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D1544	2301#
D1545	2301#
D1546	2300#
D1547	2300#
D1549	2310#
D1550	2311#
D1551	2301#
D1552	2301#
D1555	2302
D1556	2302
D1556-LB(Trans)	2302
D1558(Trans)	261
D1572(Trans)	261
D1576(Trans)	2301#
D1577PH	2300#
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D1602A(CBE)	159
D1602B(CBE)	159
D1602C(CBE)	159
D1602D(CBE)	159
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D1615GM(Trans)	2428
D1618(Trans)	2428
D1618S(Trans)	2428
D1618T(Trans)	2428
D1619(Trans)	2428
D1619S(Trans)	2428
D1619T(Trans)	2428
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D1633Q(Trans)	2326
D1634(Trans)	2326
D1634P(Trans)	2326
D1634Q(Trans)	2326
D1641(Trans)	2330
D1645(Trans)	2338
D1645Q(Trans)	2338
D1645R(Trans)	2338
D1649(Trans)	2302◆
D1649-CA(Trans)	2302◆
D1650	2302
D1650(Trans)	2302◆
D1651(Trans)	2302◆
D1666	108
D1702(CBE)	123AP
D1702K(CBE)	123AP
D1702L(CBE)	123AP
D1702M(CBE)	123AP
D1717(Trans)	2328
D1717-P(Trans)	2328
D1717-Q(Trans)	2328
D1717-S(Trans)	2328
D1718(Trans)	2328
D1718-P(Trans)	2328
D1718-Q(Trans)	2328
D1718-S(Trans)	2328
D1720	610
D1724	611
D1726	612
D1734	613
D1738	614
D1770(Trans)	375
D1770P(Trans)	375
D1770Q(Trans)	375
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D1772Q(Trans)	375#
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D1774AP(Trans)	56
D1774AQ(Trans)	56
D1774P(Trans)	56
D1774Q(Trans)	56
D1776(Trans)	56#
D1776A(Trans)	56#
D1776AP(Trans)	56#
D1776AQ(Trans)	56#
D1776P(Trans)	56#
D1776Q(Trans)	56#
D1796(Trans)	2336
D1801(MOV)	1V115
D1802(CBE)	159
D1802K(CBE)	159
D1802L(CBE)	159
D1802M(CBE)	159
D1890(Trans)	2326
D1891(Trans)	2326
D1892(Trans)	2326
D2101S	515
D2102S	515
D2103S	515
D2103SF	515
D2107A(RAM)	2107
D2107A-1(RAM)	2107
D2107A-4(RAM)	2107
D2107A-5(RAM)	2107
D2107B(RAM)	2107
D2107B-1(RAM)	2107
D2107B-2(RAM)	2107
D2107B-4(RAM)	2107
D2107C(RAM)	2107
D2107C-2(RAM)	2107
D2107C-4(RAM)	2107
D2128(RAM)	2128
D2128-15	2128
D2128-20	2128
D2164(RAM)	2164
D2164-20	2164
D2164-25	2164
D2164A(RAM)	2164
D2164A-20	2164
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D2201N	515
D2402	B40240
D2402A	B40240
D2406A	5818
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D2406F	5818
D2406M	5822
D2410	B40240
D2410A	B40240
D2412A	5818
D2412B	5818
D2412C	5820
D2412D	5820
D2412F	5818
D2412M	5822
D2425	B40240
D2425A	B40240
D2440	B40240
D2475	B75240
D2520A	6006
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D2540M	6010
D2600EF	116
D2600F	515
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D2601E	515
D2601EF	515
D2601M	515
D2708	2708
D2716	2716
D2716(EPROM)	2716
D2732(EPROM)	2732
D2732A(EPROM)	2732
D2732A-2(EPROM)	2732
D2732A-3(EPROM)	2732
D2732A-4(EPROM)	2732
D2732A-20(EPROM)	2732
D2732A-25(EPROM)	2732
D2732A-30(EPROM)	2732
D2732AD-4(EPROM)	2732
D2732D(EPROM)	2732
D2732D-4(EPROM)	2732
D2764(EPROM)	2764
D2764-2	2764
D2764-3	2764
D2764-4	2764
D2764-25	2764
D2764-30	2764
D2764-45	2764
D2764D(EPROM)	2764
D2815C(IC)	1526
D3000	1015
D3001	1016
D3005VN	130
D3040	1017
D3061	1026
D3080	1018
D3110	1152
D3120	1019
D3141	OBS-NLA
D3150	1021
D3202Y	6408
D3214	8214
D3216	8216
D3356	177
D3500	238
D3530	112
D3601(PROM)	74S387
D3602(PROM)	74S570
D3604(PROM)	74S475
D3604A(PROM)	74S475
D3604A-2	74S475
D3605	74S572
D3605A	74S572
D3605A-1	74S572
D3608(PROM)	74S479
D3621(PROM)	74S287
D3622(PROM)	74S571
D3624(PROM)	74S474
D3624-2	74S474
D3625(PROM)	74S573
D3625A(PROM)	74S573
D3625A-1	74S573
D3628(PROM)	74S478
D3628A	74S478
D3628A-1	74S478
D3628A-3	74S478
D4001(IC)	4001B
D4001BC(IC)	4001B
D4002(IC)	4002B
D4002BC	4002B
D4002BC(IC)	4002B
D4011(IC)	4011B
D4011BC	4011B
D4011BC(IC)	4011B
D4012(IC)	4012B
D4012BC	4012B
D4012BC(IC)	4012B
D4013(IC)	4013B
D4013BC	4013B
D4013BC(IC)	4013B
D4014(IC)	4014B
D4015(IC)	4015B
D4016(RAM)	2128
D4016-2(RAM)	2128
D4016-3(RAM)	2128
D4016C(RAM)	2128
D4016C-2(RAM)	2128
D4016C-3(RAM)	2128
D4016D-1(RAM)	2128
D4016D-2(RAM)	2128
D4016D-3(RAM)	2128
D4017(IC)	4017B
D4019(IC)	4019B
D4020(IC)	4020B
D4021(IC)	4021B
D4023(IC)	4023B
D4024(IC)	4024B
D4025(IC)	4025B
D4027(IC)	4027B
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D4027BC(IC)	4027B
D4028(IC)	4028B
D4029(IC)	4029B
D4030(IC)	4030B
D4030BC	4030B
D4030BC(IC)	4030B
D4040(IC)	4040B
D4040BC	4040B
D4040BC(IC)	4040B
D4042(IC)	4042B
D4049(IC)	4049
D4049UBC(IC)	4049
D4050(IC)	4050B
D4051(IC)	4051B
D4052(IC)	4052B
D4052BC	4052B
D4052BC(C)	4052B
D4052BC(IC)	4052B
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D4053BC(IC)	4053B
D4066BC	4066B
D4066BC(IC)	4066B
D4068(IC)	4068B
D4069(IC)	4069
D4069C(IC)	4069
D4069UBC	4069
D4069UBC(IC)	4069
D4071(IC)	4071B
D4078(IC)	4078B
D4081(IC)	4081B
D4099(IC)	4099B
D4160BC(IC)	40160B
D4164(RAM)	2164
D4164-1(RAM)	2164
D4164-2(RAM)	2164
D4164-3(RAM)	2164
D4164C(RAM)	2164
D4164C-1(RAM)	2164
D4164C-2(RAM)	2164
D4164C-3(RAM)	2164
D4512(IC)	4512B
D4518(IC)	4518B
D4520(IC)	4520B
D4522(IC)	4522B
D4539(IC)	4539B
D4555(IC)	4555B
D4556(IC)	4556B
D4808	B40480
D4812	B40480
D4825	B40480
D4840	B40480
D4875	B75480
D5101(RAM)	65101
D5101-1(RAM)	65101
D5101-6(RAM)	65101
D5101C(RAM)	65101
D5101C-1(RAM)	65101
D5101C-6(RAM)	65101
D5101L-1(RAM)	65101
D5101L-6(RAM)	65101
D5101LC(RAM)	65101
D5101LC-1(RAM)	65101
D5101LC-6(RAM)	65101
D5101P(RAM)	65101
D5101P-1(RAM)	65101
D5101P-6(RAM)	65101
D5295J	552
D5403	HiDiv-1
D5404	HiDiv-2
D5410	HiDiv-4
D5880	1198
D6462	177
D6623	116
D6623A	116
D6624	116
D6624A	116
D6625	116
D6625A	116
D6726	177
D7498	HiDiv-3
D8255AC(IC)	8255
D8255AC-5(IC)	8255
D8410	109
D9634	199
D10167	116
D10168	116
D20000BB40	552
D24000V09G	552
D28000BB40	552
D36647	1115A
D36667	1115
D-50492-01	159
D93004R70X	5009A
D93004R70Z	5009A
D93005R10X	5010T1
D93005R600	5011T1
D93515	74S454
D101167	116
D160092	139A
D160131	135A
D260015	614
D260028	614
D280010D40	116
D590015	601
D911138-1	128
D911138-2	128
D911138-3	128
D911138-4	128
D911138-5	128
D911138-6	128
D911138-7	128
D917254-2	123A
D919039-2	519
D919695	9900
D919698	9903
D919699	9904
D919700	9905
D921881-1	123A
D926640-1	123
D928121	123A
D4000411	909
D9200300B4	5035A
D34002410-001	9914
D34003220-001	177
D34013890-002	74H04
D34014094	175
D93001000Y	5019T1
D93001100Y	5020A
D93001200X	5021T1
D93001200Y	5021T1
D93001300Y	5022A
D93001300Z	5022A
D93001600Y	5025A
D93002700X	5033A
D93003000Y	5035A
D93011201B	142A
D930013000	5022A
DA000	116
DA001	116
DA002	116
DA058	125
DA-087	135A
DA3F3	213
DA90	109
DA111	519
DA2068	125
DAA-5V-03	605A
DAA-RB-152	125(2)
DAAY001002	109
DAAY002001	116
DAAY003002	177
DAAY004001	177
DAAY010092	139A
DAC0806	2056
DAC0806LCN	2056
DAC0807	2056
DAC0807LCN	2056
DAC301	177
DAN201	590
DAN202	595
DAN202K	595
DAN209	590
DAN209S	590
DANZ006000	109
DANZ0060000	109
DAP201	591
DAP201N	591
DAP202	596
DAP202K	596
DAP209	591
DAP209S	591
DASZ158800	519
DAT1A	126A
DAT2	126A
DB0124ADP	987
DB0124DP	987
DB3	6408
DB4	6411
DB6	6412
DB166-46-6501	159
DB8214	8214
DBA10B	166
DBA10C	167
DBA10E	168
DBA10G	169
DBA20B	5312◆
DBA20C	5313
DBA20C-K15	5313
DBA20E	5314◆
DBA30B	5312
DBA30C	5313
DBA30C-K12	5313
DBA30E	5314
DBA30G	5315
DBA40B	5312
DBA40C	5313
DBA40E	5314
DBA40-K15	5313
DBA60B	5313◆
DBA60C	5313◆
DBA60E	5314◆
DBAZ073304	294
DBBY001003	282§
DBBY003001	186A
DBBY003002	186A
DBBY005001	235
DBCZ037300	199
DBCZ039404	229
DBCZ073304	199
DBCZ073503	289A
DBCZ073504	289A
DBCZ083905	123A
DBCZ083906	123A
DBCZ094504	199
DBCZ0373000	119
DBCZ101800	299
DBCZ136406	123A
DBCZ176003	306

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DBCZ373000	199
DBDD18-934	6220
DBDD25-934	6220
DBDD40-934	6220
DBDT18-934	5711
DBDT25-934	5711
DBDT40-934	5711
DBTD18-934	5712
DBTD25-934	5712
DBTD40-934	5712
DBTT18-934	5710
DBTT25-934	5710
DBTT40-934	5710
dbxAN6291	1744
DC6(Quasar)	513
DC-9	102A
DC-10	102A
DC-12	158
DC-13	109
DC-410	177
DC2687	612
DC2688	614
DC2689	614
DC4210B	610
DC8457	177
DCA010	596
DCA015	596
DCB010	595
DCB015	595
DCC-10D1	116
DCC-10D1-N	116
DCC-10D1-NA	116
DCERB12-01	116
DCESAC82-004	6085
DCT310	614
DCT310(VARACTOR)	614
DD-000	116
DD-003	116
DD-006	116
DD-007	116
DD04	113A
DD05	114
DD06	115
DD056	116
DD058	125
DD1S954	519
DD25F-20	6220
DD25F-40	6220
DD25F-60	6220
DD25F-80	6220
DD31N400K	6220
DD31N800K	6220
DD31N1200K	6220
DD40F-20	6220
DD40F-40	6220
DD40F-60	6220
DD40F-80	6220
DD55F-20	6220
DD55F-40	6220
DD55F-60	6220
DD55F-80	6220
DD64N400K	6230
DD65N800K	6230
DD65N1200K	6230
DD70F-20	6230
DD70F-40	6230
DD70F-60	6230
DD70F-80	6230
DD-79D107-1	130
DD85N400K	6230
DD85N800K	6230
DD85N1200K	6230
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DD176C	116
DD177C	116
DD236	116
DD266	116
DD268	125
DD-700	2028
DD2066	116
DD2068	125
DD2320	116
DD2321	116
DD3161N	2032
DD3501CNL	2052
DD8870J	2027
DD8880J	2028
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DDAY090001	553
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DDBY003002	294
DDBY003003	294
DDBY004001	290A
DDBY007002	290A
DDBY008001	129
DDBY011003	290A
DDBY019001	290A
DDBY023001	235
DDBY23301	123A
DDBY104002	294
DDBY209001	85
DDBY209003	123A
DDBY210002	85
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DDBY219001	229
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DDBY224006	199
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DDBY227004	186A
DDBY228001	152
DDBY230001	235
DDBY231002	236
DDBY233001	123A
DDBY246001	295
DDBY256001	295
DDBY256002	373
DDBY257001	235
DDBY259001	229
DDBY259002	229
DDBY261002	229
DDBY262001	199
DDBY269001	107
DDBY270001	123AP
DDBY272001	293
DDBY273001	289A
DDBY276001	293
DDBY277001	123A
DDBY277002	233
DDBY278001	152
DDBY278002	152
DDBY283001	289A
DDBY287001	107
DDBY288001	295
DDBY289001	235
DDBY290001	152
DDBY295002	107
DDBY307001	236
DDBY403001	130
DDBY407001	196
DDBY407004	196
DDBY410001	293
DDBY410002	128
DDCY001001	312
DDCY001002	453
DDCY002002	312
DDCY006001	312
DDCY007002	290A
DDCY009002	312
DDCY103001	220
DDCY104001	222
DDCY104002	222
DDCY104003	222
DDCY202002	312
DDCY202003	453
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DDDD40-934	6220
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DDD-S4VB20A-2	5313
DDD-S5VB20-1	5313
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DDDT25-934	5711
DDDT40-934	5711
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DDFY007001	177
DDFY017001	6402
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DE16	116
DE16A	116
DE201	116
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DED4191	159
DEEY004001	1100
DER1	125
DERB26-20	525
DF019	601
D-F1	101
DF1	101
D-F1A	102A
DF-2	130
DF44	103A
DF45	130
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DFA01C	558
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DFA01L	558
DFA01R	558
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DFA05C	552
DFA05E	552
DFA05G	552
DFA05G-KBG	552
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DFB05C	552
DFB05E	552
DFB05G	552
DFC05	558
DFC05J	558
DFC05L	558
DFC05N	558
DFC05R	558
DFC10	552
DFC10E	552
DFC10G	552
DFD05G	552
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DFDT25-934	5711
DFDT40-934	5712
DFTT18-934	5710
DFTT25-934	5710
DFTT40-934	5710
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DG-1N	506
DG1N60	109
DG1NR	506
DG-1NR	506
DG1PR	116
DG1S34	109
DG13	127
DG13TV	127
DG14	127
DG130	127
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DG/610139-0003	108
DG/610139-2	108
DG/610224-0001	123AP
DG610232-2	123AP
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DG-LAS1515	1916
DG-LAS1518	1920
DG-LAS1524	1924
DG-LAS1805	1913
DG-LAS1812	1915
DG-LAS1815	1919
DGM-2	109
DGM-3	109
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DH-002	116
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DH/3M0012	229
DH/3M011	229
DH/3M0174	123AP
DH/3M0254	123AP
DH/3M108	116
DH/3M112	109
DH/3M1073	123AP
DH4R2	116
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DH14A	116
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DH16A	116
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DH44H12	377
DH14028B	4028B
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DHD805	177
DHD805(Zener)	145A
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DHTT25-934	5710
DHTT40-934	5710
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DI-2	109
DI-3	177
DI-5	5002A
DI-7	116
DI-8(diode)	109
DI-8 (Courier)	139A
DI-42S	116
DI-46	116
DI-52S	116
DI-55	116
DI-56	116
DI-71	116
DI-72S	116
DI-172S	116
DI-502	2025
DI-507	2026
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DI-649	116
DI-650	125
DI-705	116
DI-1649	116
DIA	123AP
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DIB-507EC	2026
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DIJ70542	109
DIJ70543	110MP
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DIJ70644	110MP
DIJ70645	109
DIJ70646	109
DIJ71273	177
DIJ71711	177
DIJ71776	109
DIJ71778	110MP
DIJ71895-1	178MP
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DIJ71960	177
DIJ71961	502
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DIJ72164	177
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DIJ72170	506
DIJ72171	506
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DIJ72174	506
DIJ72290	506
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DIJ72292	156
DIJ72293	137A
DIJ72294	109
DIJ72349	109
DIK	125
DIL	116
DIM	136A
DIS	143A
DIS-1S	116
DIT	144A
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DJDT40-934	5711
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DJJ-WZ-130	5022A
DJJ-WZ-140	5023A
DJJ-WZ-157	5025A
DJJ-WZ-250	5032A
DJJ-WZ270	5033A
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DJTT25-934	5710
DJTT40-934	5710
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DK/05-16311	85
DK/05-109335	123AP
DK/05-163111A	85
DK/05-163112	85
DK/05-163310	85
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DK/05-500315	123AP
DK/05-508162	123AP
DK/05-508534	123A
DK/05-617013	123AP
DK/05-617014	123AP
DK/06-606508	159
DK/06-663112	290A
DK19	109
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DKS12	48
DKS13	232
DKS14	232
DKV6533A	611
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DL1001A	3051
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DLDD18-934	6220
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DLDT25-934	5711
DLDT40-934	5711
DLM286	761§
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DLR02	5332
DLR04	5332
DLR06	5332
DLR08	5334
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DLTD18-934	5712
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DLTT25-934	5710
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DM-36	801
DM36	801
DM37	1578
DM-37	1578
DM40	778A
DM41	737§
DM-41	737§
DM44	743
DM-44	743
DM50	983
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DM51	788
DM51A	788
DM-51A	788
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DM-59	1277
DM61	788
DM-65	2011
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DM74H00N	74H00
DM74H01J	74H01
DM74H01N	74H01
DM74H04J	74H04
DM74H04N	74H04
DM74H05J	74H05
DM74H05N	74H05
DM74H08J	74H08
DM74H08N	74H08
DM74H10J	74H10
DM74H10N	74H10
DM74H11J	74H11
DM74H11N	74H11
DM74H20J	74H20
DM74H20N	74H20
DM74H21J	74H21
DM74H21N	74H21
DM74H22J	74H22
DM74H22N	74H22
DM74H30J	74H30
DM74H30N	74H30
DM74H40J	74H40
DM74H40N	74H40
DM74H50J	74H50
DM74H50N	74H50
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DM74H51N	74H51
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DM74H62N	74H62
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DM74H71N	74H71
DM74H72J	74H72
DM74H72N	74H72
DM74H73J	74H73
DM74H73N	74H73
DM74H74J	74H74
DM74H74N	74H74
DM74H76J	74H76
DM74H76N	74H76
DM74H78J	74H78
DM74H78N	74H78
DM74LS00	74LS00
DM74LS00N	74LS00
DM74LS01J	74LS01
DM74LS01N	74LS01
DM74LS01SP	74LS01
DM74LS02	74LS02
DM74LS02N	74LS02
DM74LS03	74LS03
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DM74LS04N	74LS04
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DM74LS05N	74LS05
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DM74LS109N	74LS109A
DM74LS112	74LS112A
DM74LS112ASP	74LS112A
DM74LS112AST	74LS112A
DM74LS112J	74LS112A
DM74LS112N	74LS112A
DM74LS113A	74LS113
DM74LS113AN	74LS113
DM74LS114A	74LS114
DM74LS114AN	74LS114
DM74LS122	74LS122
DM74LS122J	74LS122
DM74LS122N	74LS122
DM74LS123	74LS123

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
DM74LS123N	74LS123
DM74LS124NS	74LS629
DM74LS125	74LS125A
DM74LS125AN	74LS125A
DM74LS125ASP	74LS125A
DM74LS125AST	74LS125A
DM74LS125J	74LS125A
DM74LS125N	74LS125A
DM74LS126A	74LS126
DM74LS126AN	74LS126
DM74LS132	74LS132
DM74LS132J	74LS132
DM74LS132N	74LS132
DM74LS132SP	74LS132
DM74LS132ST	74LS132
DM74LS138	74LS138
DM74LS138N	74LS138
DM74LS139	74LS139
DM74LS139J	74LS139
DM74LS139N	74LS139
DM74LS139SP	74LS139
DM74LS139ST	74LS139
DM74LS147NS	74LS147
DM74LS151	74LS151
DM74LS151N	74LS151
DM74LS153	74LS153
DM74LS153N	74LS153
DM74LS155	74LS155
DM74LS155J	74LS155
DM74LS155N	74LS155
DM74LS155SP	74LS155
DM74LS155ST	74LS155
DM74LS156	74LS156
DM74LS156N	74LS156
DM74LS157	74LS157
DM74LS157N	74LS157
DM74LS158	74LS158
DM74LS158N	74LS158
DM74LS160	74LS160A
DM74LS160ASP	74LS160A
DM74LS160AST	74LS160A
DM74LS160J	74LS160A
DM74LS160N	74LS160A
DM74LS161	74LS161A
DM74LS161AN	74LS161A
DM74LS161N	74LS161A
DM74LS162	74LS162A
DM74LS162ASP	74LS162A
DM74LS162AST	74LS162A
DM74LS162J	74LS162A
DM74LS162N	74LS162A
DM74LS163	74LS163A
DM74LS163N	74LS163A
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DM74LS165N	74LS165
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DM74LS168AJ	74LS168A
DM74LS168AN	74LS168A
DM74LS168J	74LS168A
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DM74LS169N	74LS169A
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DM74LS191N	74LS191
DM74LS192	74LS192
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DM74LS192N	74LS192
DM74LS192SP	74LS192
DM74LS192ST	74LS192
DM74LS193	74LS193
DM74LS193N	74LS193
DM74LS194A	74LS194A
DM74LS194AJ	74LS194A
DM74LS194AN	74LS194A
DM74LS195	74LS195A
DM74LS195N	74LS195A
DM74LS196	74LS196
DM74LS196N	74LS196
DM74LS197	74LS197
DM74LS197N	74LS197
DM74LS221	74LS221
DM74LS221N	74LS221
DM74LS240N	74LS240
DM74LS244	74LS244
DM74LS244J	74LS245
DM74LS244N	74LS244
DM74LS245	74LS245
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DNN-RD6.8EB	5014A
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DNN-RD30EB3	5079A
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DS46	123A
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DS58(SANYO)	116
DS60	172A
DS-60	172A
DS62	160
DS63	160
DS64	160
DS65	160
DS-66	123A
DS66	123A
DS-66(METAL)	123A
DS66(PLASTIC)	123AP
DS-66(PLASTIC)	123AP
DS66(METAL)	123A
DS-66L	123A
DS-66L(METAL)	123A
DS-66L(PLASTIC)	123AP
DS-67	123A
DS67	123A
DS67W	123A
DS68	106
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DS76	123A
DS77	123A
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DS78	161
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DS83	159
DS-83	159
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DS85	161
DS-86	129
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DS88	312
DS89	117A
DS-94	289A
DS94	123A
DS96	106
DS97	177
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DS-105K	222
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DS-107	135A
DS-108	142A
DS-110	144A
DS111	78
DS-111	78
DS-112	79
DS112	79
DS-113	519
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DS-113B	506
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DS-116	453
DS-117	177
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DS-130A	116
DS-130B	116
DS130B	116
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DS130ND	116
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DS-130T	125
DS130TA	125
DS130TAL-FB2	125
DS130TB	125
DS130TC	125
DS130TD	125
DS130TE	125
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DS-130Y	116
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DS-130YB	116
DS130YC	116
DS130YD	116
DS130YE	116
DS-130YE	116
DS-131	116
DS131	116
DS-131A	116
DS131A	116
DS131B	116
DS-131B	116
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DS133B	506
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DS135	116
DS135C	116
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DS135D	116
DS135E	116
DS-135E	116
DS135F	116
DS-138	159
DS149	5072A
DS-149	5072A
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DS150A	125
DS150B	125
DS150C	125
DS150K	125
DS-159	5071A
DS160(G.E.)	116
DS-166	108
DS-169	143A
DS-184	156
DS-189	5074A
DS189	5074A
DS-190	617
DS230B	552
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DS230D	558
DS330A	552
DS330B	552
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DS330D	558
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DS-512	128
DS513	152
DS-513	152
DS-514	130
DS515	121
DS-515	121
DS519	130
DS520	121
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DS-781	107
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DS-836	108
DS-838	123AP
DS-854	221
DS858	232
DS-873	618
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DS1488	75188
DS1488J	75188
DS1488N	75188
DS1489	75189
DS1489AN	75189
DS1489J	75189
DS1489N	75189
DS1588	519
DS1887FA	116
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DS2473	519
DS4448	519
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DS8870J	2027
DS8870N	2027
DS8880	2028
DS8880F	2028
DS8880J	2028
DS8880N	2028
DS8889	2030
DS8889J	2030
DS8889N	2030
DS75115	9615
DS75450N	75450B
DS75451N	75451B
DS75452N	75452B
DS75453N	75453B
DS75454N	75454B
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DS75492BN	75492B
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DSA17E	125
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DSA26C	156
DSA26E	156
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DSS188	109
DSS953	156
DSS16685	109
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DSZ5707	5121A
DSZ5708	5122A
DSZ5709	5124A
DSZ5710	5125A
DSZ5712	5127A
DSZ5713	5128A
DSZ5714	5129A
DSZ5715	5130A
DSZ5716	5131A
DSZ5718	5133A
DSZ5720	5135A
DSZ5722	5136A
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DSZ5730	5141A
DSZ5736	5143A
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DSZ5760	5149A
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DT18N600KOC	5712
DT18N800KOC	5712
DT18N1100KOC	5712
DT18N1200KOC	5712
DT25N400KOC	5712
DT25N600KOC	5712
DT25N800KOC	5712
DT25N1100KOC	5712
DT25N1200KOC	5712
DT32N400KOC	5712
DT32N600KOC	5712
DT32N800KOC	5712
DT32N1100KOC	5712
DT32N1200KOC	5712
DT36N200KOC	5712
DT36N400KOC	5712
DT36N600KOC	5712
DT36N800KOC	5712
DT36N1100KOC	5712
DT36N1200KOC	5712
DT41	121
DT42N400KOC	5712
DT42N600KOC	5712
DT42N800KOC	5712
DT42N1100KOC	5712
DT42N1200KOC	5712
DT45N800KOC	5712
DT45N1100KOC	5712
DT45N1200KOC	5712
DT46N200KOC	5712
DT46N400KOC	5712
DT46N600KOC	5712
DT46N800KOC	5712
DT46N1100KOC	5712
DT46N1200KOC	5712
DT60N400KOC	5712
DT60N600KOC	5712
DT60N800KOC	5712
DT60N1100KOC	5712
DT60N1200KOC	5712
DT75N400KOC	5722
DT75N600KOC	5722
DT75N800KOC	5722
DT75N1100KOC	5722
DT75N1200KOC	5722
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DT95N400KOC	5722
DT95N600KOC	5722
DT95N800KOC	5722
DT95N1100KOC	5722
DT95N1200KOC	5722
DT100	105
DT161	123A
DT230B	506
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DT1111	128
DT1112	128
DT1120	128
DT1121	128
DT1122	128
DT1311	128
DT1321	128
DT1510	128
DT1511	128
DT1512	128
DT1520	128
DT1521	128
DT1522	128
DT1602	154
DT1603	154
DT1610	123
DT1612	154
DT1613	154
DT1621	128
DT3301	175
DT3302	175
DT4011	130
DT4110	130
DT4111	130
DT4120	130
DT4121	130
DT4303	283
DT4304	283
DT4305	283
DT4306	283
DT6110	121
DTA05B	5655
DTA05C	5655
DTA05E	5656
DTA2B	5629
DTA2C	5629
DTA2E	5629
DTA3C	5629
DTA3E	5629
DTA8C	5633
DTA8E	5635
DTA8F	5637
DTA8G	5637
DTA10C	5633
DTA10E	5635
DTA10F	5637
DTA10G	5637
DTA12C	56004
DTA12E	56006
DTA12F	56008
DTA12G	56008
DTA16C	56004♦
DTA16E	56006♦
DTA16F	56008♦
DTA16G	56008♦
DTA114EA	2356♦
DTA114EF	2356♦
DTA114EK	2415
DTA114ES	2356
DTA124EF	2358♦
DTA124EK	2417
DTA124EN	2358
DTA124ES	2358
DTA124K	2417
DTA124N	2358
DTA144EA	2360♦
DTA144EF	2360♦
DTA144EK	2419
DTA144EN	2360
DTA144ES	2360
DTA144F	2360♦
DTA144N	2360
DTB8C	5645
DTB8E	5645
DTB8F	5645
DTB8G	5645
DTB10C	5645
DTB10E	5645
DTB10F	5645
DTB10G	5645
DTB16C	5679
DTB16E	5679
DTB16F	5679
DTB16G	5679
DTC16C	5679
DTC16E	5679
DTC16F	5679
DTC16G	5679
DTC114EF	2355♦
DTC114EK	2414
DTC114ES	2355
DTC124EA	2357♦
DTC124EF	2357♦
DTC124EK	2416
DTC124ES	2357
DTC124N	2357
DTC144EA	2359♦
DTC144EF	2359♦
DTC144EK	2418
DTC144EN	2359
DTC144ES	2359
DTC144F	2359♦
DTC144K	2418
DTC144N	2359
DTE16E	5679
D-TEX-8	904
DTG110	121
DTG110A	179
DTG110B	179
DTG400M	179
DTG600	179
DTG601	179
DTG602	179
DTG603	179
DTG603M	179
DTG1011	121
DTG1040	121
DTG-1101	127
DTG1200	179
DTG2000	179
DTG2000A	179
DTG2100	179
DTG2100A	179
DTG2200	179
DTL936	9936
DTL946	9946
DTL962	9962
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DTM12	292
DTM13	284
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DTN206	128
DTS013	164
DTS0710	162
DTS0713	164
DTS103	284
DTS104	284
DTS105	284
DTS106	284
DTS107	284
DTS108	284
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DTS403	283
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DTS410	385
DTS411	94
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DTS424	283
DTS425	283
DTS430	52
DTS431	52
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DTS-516	53
DTS-517	53
DTS-518	53
DTS-519	53
DTS701	164
DTS702	165
DTS704	165
DTS801	389
DTS802	165
DTS804	165
DTS3705	162
DTS3705A	162
DTS3705B	162
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DTS4066	98
DTS4067	98
DTS4072	98
DTS4074	98
DTS4075	98
DTT-1N60	109
DTT-TLR104	3012A
DTuL9093	9093
DTuL9099	9099
DTuL9930	9930
DTuL9932	9932
DTuL9933	9933
DTuL9935	9935
DTuL9936	9936
DTuL9944	9944
DTuL9945	9945
DTuL9946	9946
DTuL9948	9948
DTuL9949	9949
DTuL9961	9961
DTuL9962	9962
DTuL9963	9963
DTZ13	4919
DTZ13A	4919
DTZ18	4927
DTZ18A	4927
DTZ20	4929
DTZ20A	4929
DTZ27	4935
DTZ27A	4935
DTZ51	4951
DTZ51A	4951
DTZ68	4959
DTZ68A	4959
DTZ200	4989
DTZ200A	4989
DU1	160
DU2	160
DU3	102A
DU4	158
DU5	102A
DU6	104
DU7	105
DU12	160
DU47	105
DU400	116
DU600	116
DU800	125
DU1000	125
DV2209	614
DVDGP108B	116
DVMV1Y	601
DVR-8	964
DVV004	614
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DW6034/M	123A
DW6195	128
DW 6505	123A
DW 6982	128
DW 7375	123A
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DW 7655 LV00223	234
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DX006	552
DX-0022	177
DX0022	177
DX0038CE	125
DX0055CE	116
DX0057	147A
DX-0061	136A
DX-0069	5075A
DX-0079	177
DX0079	177
DX0080	177
DX-0080	177
DX-0081	177
DX0085TA	552
DX0086CE	552
DX0086TA	552
DX0086TAZZ	552

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
DX-0099	116
DX0101CE	552
DX0105TA	552
DX0110CE	116
DX0112	135A
DX0113	5074A
DX0115CE	125
DX0117TA	552
DX-0121	147A
DX0123CE	552
DX0125CE	116
DX0126	610
DX-0126	610
DX0126CE	552
DX0128CE	156
DX0130CE	552
DX0131CE	552
DX0132CE	515
DX0135TA	552
DX0142CE	519
DX-0143	5332
DX0150	601
DX-0150	601
DX-0152	109
DX0152CE	5314
DX0154CE	116
DX0155CE	116
DX-0156	109
DX-0159	5011A
DX0160	109
DX0161	109
DX-0161	109
DX-0162	109
DX0162	109
DX-0164	5002A
DX0164CE	525
DX0177TAJ	552
DX0181CE	552
DX0200CE	5332
DX0202CE	552
DX0203CE	580
DX-0207	116
DX0208CE	5332
DX-0240	109
DX-0241	109
DX0253	109
DX-0253	109
DX-0259	177
DX0270	177
DX-0270	177
DX-0272	177
DX0273	519
DX-0273	519
DX0282	116
DX-0287	177
DX-0299	519
DX-0301	611
DX0301	611
DX0302	612
DX-0307	612
DX-0312	601
DX-0313	601
DX-0314	601
DX-0316	601
DX-0322	177
DX-0349	116
DX-0365	601
DX0399	5074A
DX-0402	139A
DX0403	5021A
DX-0403	5021A
DX-0405	5022A
DX-0445	116
DX0445	116
DX-0475	116
DX-0479	612
DX0501	5013A
DX-0516	605A
DX-0517	605A
DX-0526	116
DX-0529	134A
DX-0530	5013A
DX-0533	5018A
DX-0537	5022A
DX-0543	177
DX-0549	5071A
DX-0551	109
DX-0551(DIODE)	109
DX-0551(ZENER)	145A
DX-0576	109
DX0585	116
DX-0585	116
DX-0587	552
DX-0611	110MP
DX-0650	600
DX-0681	109
DX-0685	601
DX-0697	605A
DX0710	137A
DX-0713	5023A
DX-0716	5013A
DX-0717	5019A
DX0718	614
DX0719	116
DX-0722	614
DX-0723	610
DX-0725	109
DX-0729	5072A
DX-0733	519
DX-0734	109
DX-0735	519
DX-0735(ZENER)	136A
DX-0736	5072A
DX-0737	136A
DX-0748	138A
DX-0749	612
DX-0750	601
DX-0751	5313
DX-0752	601
DX-0862	5020A
DX-0893	116
DX-0955	109
DX-0983	5014A
DX-0985	553
DX-0986	139A
DX-0987	135A
DX0989	135A
DX0990	5070A
DX-0990	156
DX0991	5072A
DX-0994	140A
DX-0995	5304
DX-0999	5009A
DX105T	552
DX135TA	552
DX520	116
DX-1007	614
DX-1008	519
DX-1013	138A
DX1018	108
DX-1039	125
DX-1043	5014A
DX-1044	5015A
DX-1056	519
DX-1080	613
DX-1088	519
DX-1107	109
DX-1118	519
DX-1126	5013A
DX-1139	519
DX-1154	5022A
DX-1161	552
DX-1162	5332
DX-1163	142A
DX-1165	5457
DX1170	137A
DX-1222	5014A
DX-1226	605A
DX-1247	5013A
DX-1248	5009A
DX-1249	5016A
DX-1263	5313
DX-1275	605A
DX-1276	5029A
DX1315	5315
DX-1325	109
DX-1346	5018A
DX-1392	611
DX-1430	552
DX-1535	5024A
DX1556	5016A
DX-1662	116
DX-1663	5019A
DX-1691	5015A
DX-1692	167
DX1753	5014A
DX-1773	552
DX-1802	558
DX-1829	5016A
DX-1834	5018A
DX-1912	552
DX-1991	5019A
DX-1993	5010A
DX-2060	5014A
DX-2061	5016A
DX-2087	519
DX-2137	5332
DX-2149	5011A
DX-2150	5020A
DX-2272	519
DX-2273	552
DX-2274	552
DX-2275	552
DX-2276	116
DX-2277	552
DX-2278	5080A
DX-2279	5029A
DX-2280	5074A
DX-2306	5021A
DX-2517	5019T1
DX-2617	552
DX6873	109
DX7429	519
DYY-1S2473	519
DZ-081	5072A
DZ-092	139A
DZ0500	135A
DZ0610	137A
DZ0710	138A
DZ0720	5015A
DZ0731	134A
DZ0750	138A
DZ0820	5072A
DZ0900	139A
DZ0901	139A
DZ0910	139A
DZ0921	139A
DZ2(8.2A)	5072A
DZ10	139A
DZ10A	140A
DZ12	143A
DZ12A	142A
DZ13	143A
DZ15A	145A
DZ27A	146A
DZ33A	147A
DZ82A	150A
DZ86.8C	5071A
DZ1621	5075A
DZ760927F	5127A♦
DZB6.2	137A
DZB6.8	5071A
DZB6.8C	5071A
DZB7.5	138A
DZB7.5C	138A
DZB8.2	5072A
DZB8.2C	5072A
DZB9.1	139A
DZB9.1C	139A
DZB10	140A
DZB10C	140A
DZB11	5074A
DZB11C	5074A
DZB12	142A
DZB12C	142A
DZB13	143A
DZB13C	143A
DZB15	145A
DZB15C	145A
DZB16	5075A
DZB16C	5075A
DZB18	5077A
DZB-18C	5077A
DZB18C	5077A
DZB20	5079A
DZB20C	5079A
DZB22	5080A
DZB22C	5080A
DZB24	5081A
DZB24C	5081A
DZB27	146A
DZB27C	146A
DZB30	5084A
DZB30C	5084A
E0011	614
E0018	109
E-00585-0014	5400
E-00585-0023	159
E-00585-0029	5411
E-00585-0031	123AP
E-00585-0032	288
E-00585-0033	287
E-00585-0034	263
E-00585-0041	396
E-00585-0042	175
E-00585-0043	291
E-00585-0065	5462
E-00587-006	116
E-00587-0014	519
E-00587-0015	116
E-00598-0007	151A
E-00598-0008	5016A
E-00598-0010	5054A
E-00598-0011	5022A
E-00602-002	5340♦
E-00602-003	5313
E-00602-006	5322
E-00602-007	5340
E-00620-0004	955M
E-00620-0005	4011B
E-00620-0007	4050B
E-00620-0028	6800
E-00620-0029	6821
E-00620-0030	6810
E-00620-0032	4502B
E-00620-0033	4049
E-00620-0035	9602
E-00620-0037	4514B
E-00620-0038	4543B
E-00620-0042	65101
E-00620-0047	941M
E-00620-0048	740A
E-00620-0108	4028B
E-00620-0125	6802
E-00620-0126	992
E-00620-0127	1232
E-00620-0134	40175B
E-00620-0137	987♦
E-00620-0139	74LS04
E-00620-0165	961
E-00620-0168	74LS155
E-00620-0169	74LS14
E-00620-0171	926
E-00620-0172	3047
E-00620-108	4028B
E-00620-125	6802
E-00620-134	40175B
E-00620-168	74LS155
E-00620-169	74LS14
E-00681(Bally)	916
E-00710(Bally)	931
E-00712(Bally)	428
E-00712-0001(Bally)	430
E-00712-0003	435P22
E01	457
E02	457
E-044A	102A
E-065	126A
E-066	126A
E-067	126A
E-068	126A
E-070	102A
E-075L	116
E0102AA	5402
E0102FA	5401
E0102YA	5400
E-0704W	116
E0771-6	144A
E0771-7	142A
E0788C	116
E-01381	128
E03090-002	167
E03155-001	116
E03155-002	116
E0LF-14A604-AA	112
E0M1DA22	B40240
E0M1DA24	B40240
E0M1DA42	B40240
E0M1DA44	B40240
E0M1DA52	B40240
E0M1DA54	B40240
E0M1DA72	B40240
E0M1DA74	B40240
E0M1DA92	B40240
E0M1DA94	B40240
E0M1DB22	B40240
E0M1DB24	B40240
E0M1DB42	B40240
E0M1DB44	B40240
E0M1DB52	B40240
E0M1DB54	B40240
E0M1DB72	B40240
E0M1DB74	B40240
E0M1DB92	B40240
E0M1DB94	B40240
E0M1DB233-32	524V25/B40240+
E0M1DB253-32	524V25/B40240+
E0M1DB433-32	524V25/B40240+
E0M1DB453-32	524V25/B40240+
E0M1DB533-32	524V25/B40240+
E0M1DB553-32	524V25/B40240+
E0M1DB753-32	524V25/B40240+
E0M1DB933-32	524V25/B40240+
E0M1DB953-32	524V25/B40240+
E0M1DB733032	524V25/B40240+
E0M1DE22	B40240
E0M1DE24	B40240
E0M1DE42	B40240
E0M1DE44	B40240
E0M1DE52	B40240
E0M1DE54	B40240
E0M1DE74	B40240
E0M1DE92	B40240
E0M1DE94	B40240
E1	116
E1A	107
E1CM-0060	1155
E1M3	125
E1N3	125
E2	116
E-2SC536AG-SP	199
E-2SC536E-NP	85
E-2SC930D-NP	107
E-2SC930E-NP	107
E-2SC1923-O	107
E-2SD734G	85
E2SF-14A603-AA	107
E2SF-14A674-AA	964
E2SF-14A674-BA	960
E2SF-14A674-CA	928M
E2SF14A674HA	1396
E2SF-14A674-HA	1396
E2SF-14R603-AA	107
E2SF-18B918-AA	618
E2SF674-HA	1396
E3	116
E3-10A4A	A40240
E3-10D1A	B40240
E3-25A4A	A40240
E3-25D1A	B40240
E3-40A4A	A40240
E3-40D1A	B40240
E4	158
E5	116
E6	116
E6-1010	B40240
E6-1025	B40240
E6-1040	B40240
E6-2010	B40240
E6-2025	B40240
E6-2040	B40240
E6-4010	B40480
E6-4025	B40480
E6-4040	B40480
E8	125
E9	125
E10	125
E13-000-03	123A
E13-000-04	123A
E13-001-02	159
E13-001-03	159
E13-001-04	159
E13-002-03	123A
E13-003-00	123A
E13-003-01	123A
E13-004-00	233
E13-005-02	123A
E13-006-02	159
E13-007-00	171
E13-008-00	162
E13-009-00	165
E13-010-00	191
E13-011-00	191
E13-012-00	182
E13-013-03	120
E13-013-04	120
E13-017-01	177
E13-020-00	116
E13-021-01	505
E13-021-03	505
E13-20-00	116
E14C350	116
E21	116
E25C5	116
E41	116
E51-10-0035	76
E51-10-0049	76
E51-10-0050	76
E84	140A
E101	457
E102	457
E102(Elcom)	116
E103	312
E105	126A
E106(Elcom)	116
E108(Elcom)	125
E111	466
E111A	466
E112(SDG)	467
E112A	466
E113	466
E113A	466
E114(SDG)	467
E125C200	116
E132	102A
E135	116
E143	116
E146	116
E150L	116
E158	102A
E-167-228	128
E181	102A
E181A	102A
E181B	102A
E181C	102A
E181D	102A
E185B121712	157
E202(Elcom)	156
E203	466
E204(SDG)	457
E210(SDG)	451
E211	451
E213	159
E232	466♦
E241	102A
E241A	102A
E241B	102A
E262	142A
E302	312
E300(Elcom)	5809
E300L	116
E302(Elcom)	5802
E304	312
E304(Elcom)	5804
E305	451
E306(Elcom)	5806
E308(Elcom)	5808
E318-1	128
E629	108
E650L	116
E660	113A
E-713(BALLY)	2V130
E750(Elcom)	116
E752(Elcom)	116
E756(Elcom)	116
E758(Elcom)	125
E760(Elcom)	125
E1011	116
E1018N	116
E1031RT	109
E1121R	177
E1124	116
E1176ALC1A	113A
E1176R	178MP
E1208ZG	5021A
E1216ZG	142A
E1221R	177
E1222Z	5037A
E1222ZP	5037A
E1229R	519
E1234R	519
E1237RF	116
E1256R	177
E1266R	558
E1270R	552
E1286R	519
E1293Z	5037A
E1294Z	5037A
E1303Z	5012A
E1304R	125
E1308R	552
E1314R	552
E1315R	156
E1322Z	5012A
E1324R	519
E1332R	519
E1336R	558
E1338R	552
E1339R	552
E1340R	558
E1342R	519
E1410	116
E1411	116
E1412	116
E1412R	552
E1413	116
E1413R	116
E1415	116
E1428R	552
E1436ZB	5009A
E1440	116
E1442R	116
E1445ZA	142A
E1451ZB	5034A
E1466Z	5036A
E1490R	552
E1516R	580
E1518R	552
E1533R	552
E1534R	552
E1600(Trans)	332
E1616R	580
E1639Z	5018A
E1645Z	142A
E1660Z	5010A
E1661Z	5014A
E1672Z	5036A
E1704R	125
E1705R	558
E1714ZS	5010A
E1717R	125
E1720R	125
E1725RM	580
E1732R	552
E1750Z	5070A
E1756ZB	5017A
E1756ZC	5018A
E1775R	177
E1779R	580
E1786R	552
E1789R	116
E1791R	552
E1794R	552
E1810ZA	5035A
E1810ZB	5035A
E1821ZA	5014A
E1821ZB	5014A
E1821ZC	5015A
E1821ZD	5015A
E1823ZA	5015A
E1829R	125
E1852	142A
E2412	100
E2427	101
E2428	101
E2429	101
E2430	123A
E2431	123A
E2434	108
E2435	108
E2436	123A
E2438	160
E2439	160
E2440	160
E2441	128
E2444	123A
E2445	102A
E2447	103A
E2448	102A
E2449	128
E2450	160
E2451	126A
E2452	123A
E2453	102A
E2454	123A
E2455	123A
E2459	123A
E2460	124
E2461	123A
E2462	160
E2464	103A + 102A(CP)
E-2465	102A
E2465	102A
E-2466	103A
E2466	103A
E2467	102A
E2474	160
E2475	160
E2476	102A
E2477	160
E2478	160
E2479	160
E2480	102A
E2481	102A
E2482	102A
E2484	110MP
E2486	137A
E-2491B	128
E2495	727
E2496	152
E2497	123A
E2498	129
E2499	123A
E3006	116
E4002	101
E4676B	116
E6052	312
E9625	229
E10116	116
E10157	116
E10171	116
E10172	116
E13004	51
E13005	51
E13006	379
E13007	379
E13009	379
E15028	54
E15029	55
E15030	54
E15031	55
E21135	110MP
E21430	109
E21431	137A
E24100	116
E24101	156
E24103	123A
E24104	102A
E24105	103A
E24106	102A
E24107	131
E570022-01	175
EA0002	160
EA0007	160
EA0009	102A
EA000-13000	4011B
EA001-02200	8255
EA001-02700	2128
EA005	116
EA0013	108
EA0015	116
EA0016	116
EA0031	116
EA0053	160
EA0081	128
EA0086	129
EA0087	129
EA0090	128
EA0091	108
EA0092	123A
EA0093	108
EA0094	108
EA0095	108
EA010	116
EA020	116
EA030	116
EA040	116
EA050	116
EA060	116
EA080	125
EA15X1	123A
EA15X2	102A
EA15X3	102A
EA15X4	102A
EA15X5	160
EA15X6	105
EA15X7	102A
EA15X8	102A
EA15X9	123A
EA15X10	121
EA15X11	160
EA15X12	121
EA15X13	160
EA15X14	116
EA15X15	121
EA15X18	123A
EA15X19	102A
EA15X20	123A
EA15X22	123A
EA15X23	102A
EA15X24	123A
EA15X25	102A
EA15X26	121
EA15X27	160
EA15X28	102A
EA15X29	160
EA15X30	160
EA15X31	123A
EA15X33	121
EA15X35	121
EA15X36	102A
EA15X37	123A
EA15X38	121
EA15X40	160
EA15X41	160
EA15X43	160
EA15X44	123A
EA15X45	123A
EA15X48	108
EA15X49	108
EA15X50	108
EA15X51	108
EA15X52	123A
EA15X53	121
EA15X54	108
EA15X55	108
EA15X56	123A
EA15X57	126
EA15X58	123A
EA15X59	123A
EA15X63	123A
EA15X66	160
EA15X67	102A
EA15X68	123A
EA15X69	106
EA15X70	106
EA15X71	106
EA15X72	123A
EA15X73	123A
EA15X75	123A
EA15X76	123A
EA15X77	123A
EA15X83	123A
EA15X84	123A
EA15X85	123A
EA15X86	123A
EA15X88	121
EA15X89	123A
EA15X91	123A
EA15X94	108
EA15X96	123A
EA15X98	123A
EA15X99	152
EA15X100	130
EA15X101	123A
EA15X102	128
EA15X103	123A
EA15X111	123A
EA15X112	123A
EA15X113	108
EA15X121	175
EA15X123	181
EA15X124	180
EA15X130	229
EA15X131	108
EA15X132	108
EA15X133	126A
EA15X134	107
EA15X135	107
EA15X136	123A
EA15X137	123A
EA15X138	85
EA15X139	131
EA15X140	126A
EA15X141	126A

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To Be Replaced	ECG Replacement
EA15X142	123A
EA15X143	123A
EA15X144	128
EA15X152	199
EA15X152(Diode)	177
EA15X153	123A
EA15X154	131
EA15X157	123A
EA15X160	186
EA15X161	199
EA15X162	123A
EA15X163	123A
EA15X164	102A
EA15X165	312
EA15X167	123A
EA15X168	123A
EA15X169	312
EA15X173	121
EA15X176	229
EA15X180	123A
EA15X184	172A
EA15X185	294
EA15X189	123A
EA15X190	229
EA15X191	102A
EA15X192	312
EA15X193	312
EA15X194	129
EA15X203	102A
EA15X207	102A
EA15X212	102A
EA15X213	199
EA15X227	102A
EA15X231	312
EA15X233	159
EA15X234	188
EA15X235	189
EA15X237	123A
EA15X238(2 Gate)	220
EA15X238(D,S,G1,G2)	222
EA15X238(1 Gate)	312
EA15X239	107
EA15X240	123A
EA15X241	199
EA15X242	290A
EA15X243	185
EA15X244	184
EA15X245	199
EA15X246	85
EA15X247	172A
EA15X248	186
EA15X249	289A
EA15X250	293
EA15X251	85
EA15X252	229
EA15X253	123A
EA15X256	289A
EA15X257	159
EA15X258	199
EA15X259	199
EA15X260	159
EA15X261	128
EA15X262	152
EA15X264	199
EA15X265	289A
EA15X266	172A
EA15X267	289A
EA15X268	294
EA15X269	184
EA15X270	185
EA15X271	152
EA15X272	123A
EA15X273	193
EA15X274	192
EA15X278	297
EA15X288	199
EA15X325	85
EA15X326	158
EA15X327	152
EA15X328	153
EA15X329	266
EA15X330	123A
EA15X331	123A
EA15X332	265
EA15X333	152
EA15X334	153
EA15X335	85
EA15X336	199
EA15X337	123A
EA15X338	229
EA15X339	229
EA15X340	199
EA15X341	159
EA15X342	123AP
EA15X343	289A
EA15X344	297
EA15X345	298
EA15X346	123AP
EA15X347	299
EA15X349	192
EA15X350	85
EA15X351	229
EA15X352	199
EA15X353	199
EA15X354	199
EA15X355	199
EA15X356	278
EA15X357	294
EA15X359	382
EA15X360	184
EA15X361	199
EA15X362	295
EA15X363	235
EA15X364	85
EA15X365	123AP
EA15X366	312
EA15X367	123A
EA15X368	107
EA15X369	85
EA15X370	123A
EA15X371	123A
EA15X372	235
EA15X373	123A
EA15X374	85
EA15X375	102A
EA15X376	229
EA15X377	199
EA15X378	297
EA15X379	123A
EA15X380	306
EA15X381	235
EA15X382	199
EA15X383	373#
EA15X384	229
EA15X385	290A
EA15X385(FET)	312
EA15X385(Transistor)	294
EA15X386	199
EA15X388	123A
EA15X389	128
EA15X390	129
EA15X391	235
EA15X392	236
EA15X393	229
EA15X394	312
EA15X395	290A
EA15X396	294
EA15X397	293
EA15X398	306
EA15X399	199
EA15X400	312
EA15X401	312
EA15X402	222
EA15X403(ECB)	159
EA15X404	85
EA15X405	222
EA15X406	186A
EA15X407	152
EA15X408	297
EA15X409	295
EA15X410	235
EA15X411	152
EA15X412	123A
EA15X413	293
EA15X414	235
EA15X415	316
EA15X416	152
EA15X417	222
EA15X418	123AP
EA15X419	123AP
EA15X420	294
EA15X421	199
EA15X422	123A
EA15X423	152
EA15X424	297
EA15X425	298
EA15X427	123AP
EA15X428	289A
EA15X429	236
EA15X430	295
EA15X431	108
EA15X432	108
EA15X433(ECB)	159
EA15X434	85
EA15X436	294
EA15X437	229
EA15X438	186
EA15X439	295
EA15X440	235
EA15X441	85
EA15X442	331
EA15X443	193
EA15X446	312
EA15X448	229
EA15X450	229
EA15X452	199
EA15X455	373
EA15X456	293
EA15X457	85
EA15X459	199
EA15X460	85
EA15X461	107
EA15X462	85
EA15X463	85
EA15X464	184
EA15X465	159
EA15X466	290A
EA15X467	85
EA15X468	158
EA15X469	199
EA15X470	229
EA15X471(ECB)	159
EA15X472	229
EA15X473	123AP
EA15X474	123AP
EA15X475	123AP
EA15X478(ECB)	199
EA15X479	289A
EA15X482	229
EA15X483	229
EA15X484	297
EA15X486	123AP
EA15X487	123AP
EA15X488	85
EA15X489	295
EA15X490	236
EA15X492	290A
EA15X494	289A
EA15X495	85
EA15X498	382
EA15X499	229
EA15X500	289A
EA15X501	85
EA15X503	85
EA15X504	293
EA15X505	294
EA15X506	290A
EA15X507	261
EA15X509	289A
EA15X510	152
EA15X512	123AP
EA15X513	192
EA15X514	123A
EA15X515	152
EA15X520	85
EA15X524	199
EA15X525	152
EA15X1014	123AP
EA15X1117	123AP
EA15X1133	85
EA15X1422	107
EA15X1423	107
EA15X1424	85
EA15X1425	107
EA15X1427	85
EA15X1710	152
EA15X2015	108
EA15X2024	107
EA15X2025	107
EA15X2110(CBE)	123AP
EA15X2112(CBE)	123AP
EA15X3990	289A
EA15X4064	107
EA15X4152	107
EA15X4335	85
EA15X4531	192
EA15X4532	123A
EA15X4533	289A
EA15X4632	159
EA15X4633	290A
EA15X4634	159
EA15X4810	85
EA15X4811	85
EA15X4812	85
EA15X5939	123AP
EA15X6840	102A
EA15X7112	123A
EA15X7113	108
EA15X7114	108
EA15X7115	123A
EA15X7117	107
EA15X7118	123AP
EA15X7119	123A
EA15X7120	123A
EA15X7125	107
EA15X7136	108
EA15X7140	108
EA15X7141	107
EA15X7173	319P
EA15X7174	319P
EA15X7175	123A
EA15X7176	123A
EA15X7177	108
EA15X7178	319P
EA15X7179	319P
EA15X7215	107
EA15X7228	108
EA15X7231	107
EA15X7232	123A
EA15X7233	229
EA15X7234	229
EA15X7235	229
EA15X7236	229
EA15X7241	108
EA15X7242	229
EA15X7243	108
EA15X7244	229
EA15X7245	199
EA15X7262	123AP
EA15X7263	107
EA15X7264	229
EA15X7513	123A
EA15X7514	123A
EA15X7516	289A
EA15X7517	123A
EA15X7519	192
EA15X7520	123A
EA15X7583	199
EA15X7585	108
EA15X7586	123A
EA15X7587	108
EA15X7588	123AP
EA15X7589	123AP
EA15X7590	123A
EA15X7592	294
EA15X7635	128
EA15X7637	123A
EA15X7638	123A
EA15X7639	294
EA15X7640	108
EA15X7642	123AP
EA15X7643	123AP
EA15X7722	108
EA15X7732	159
EA15X7737	159
EA15X8118	153
EA15X8119	152
EA15X8122	189
EA15X8124	152
EA15X8126	152
EA15X8130	153
EA15X8442	102A
EA15X8443	103A
EA15X8444	102A
EA15X8450	102A
EA15X8502	123AP
EA15X8511	123AP
EA15X8514	293
EA15X8515	123AP
EA15X8516	108
EA15X8517	293
EA15X8518	123AP
EA15X8519	123AP
EA15X8520	85
EA15X8521	297
EA15X8522	298
EA15X8523	123AP
EA15X8524	159
EA15X8525	152
EA15X8529	123A
EA15X8531	123AP
EA15X8576	123AP
EA15X8589	108
EA15X8601	123AP
EA15X8602	123AP
EA15X8605	185
EA15X8608	108
EA15X8609	108
EA15X8610	108
EA15Y386	199
EA15Y395	290A
EA16X1	109
EA16X2	116
EA16X4	141A
EA16X5	109
EA16X6	141A
EA16X8	116
EA16X9	109
EA16X11	109
EA16X20	177
EA16X21	116
EA16X22	109
EA16X27	109
EA16X29	142A
EA16X30	116
EA16X33	116
EA16X34	116
EA16X35	1003
EA16X36	116
EA16X38	5080A
EA16X39	177
EA16X47	5015A
EA16X47(Diode)	109
EA16X47(Zener)	138A
EA16X48	109
EA16X49	177
EA16X50	5018A
EA16X53	139A
EA16X54	116
EA16X55	116
EA16X57	5080A
EA16X59	177
EA16X60	177
EA16X61	177
EA16X62	139A
EA16X65	116
EA16X67	116
EA16X68	601
EA16X69	601
EA16X71	116
EA16X73	601
EA16X74	139A
EA16X75	177
EA16X76	610
EA16X77	142A
EA16X80	137A
EA16X81	143A
EA16X84	177
EA16X88	138A
EA16X89	5067A
EA16X90	614
EA16X91	519
EA16X92	116
EA16X93	5020A
EA16X94	177
EA16X95	177
EA16X96	145A
EA16X97	109
EA16X100	177
EA16X101	177
EA16X104	5010A
EA16X105	177
EA16X106	612
EA16X107	600
EA16X109	140A
EA16X110	177
EA16X114	136A
EA16X116	601
EA16X117	613
EA16X118	136A
EA16X122	519
EA16X123	5071A
EA16X124	145A
EA16X125	138A
EA16X126	5069A
EA16X127	614
EA16X129	109
EA16X130	614
EA16X134	177
EA16X135	519
EA16X136	135A
EA16X137	5018A
EA16X138	116
EA16X139	109
EA16X140	109
EA16X144	5009A
EA16X146	177
EA16X147	614
EA16X148	109
EA16X149	156
EA16X150	140A
EA16X151	605A
EA16X152	519
EA16X154	5011A
EA16X157	140A
EA16X161	5016A
EA16X162	142A
EA16X163	5012A
EA16X164	5075A
EA16X165	136A
EA16X166	610
EA16X171	177
EA16X172	177
EA16X173	5016A
EA16X175	139A
EA16X176	610
EA16X177	614
EA16X181	109
EA16X182	177
EA16X183	600
EA16X184	5019A
EA16X185	5013A
EA16X186	616
EA16X187	116
EA16X188	136A
EA16X189	140A
EA16X190	5019A
EA16X191	136A
EA16X192	611
EA16X193	607
EA16X193(Zener)	5000A
EA16X193(Varistor)	607
EA16X203	3024
EA16X205	3012A
EA16X207	3007
EA16X213	3007
EA16X228	3007
EA16X230	3074
EA16X231	3156
EA16X241	137A
EA16X314	139A
EA16X400	5010A
EA16X402	5073A
EA16X403	109
EA16X404	116
EA16X405	116
EA16X406	135A
EA16X407	139A
EA16X408	139A
EA16X409	116
EA16X410	177
EA16X411	5002A
EA16X412	5014A
EA16X413	177
EA16X414	109
EA16X415	139A
EA16X417	5012A
EA16X421	5013A
EA16X424	5019A
EA16X425	177
EA16X426	5016A
EA16X427	611
EA16X428	109
EA16X429	519
EA16X430	116
EA16X431	601
EA16X433	109
EA16X435	5071A
EA16X436	116
EA16X438	5016A
EA16X439	519
EA16X440	116
EA16X441	110MP
EA16X442	177
EA16X443	5074A
EA16X445	177
EA16X446	177
EA16X447	5011A
EA16X448	605A
EA16X450	5011A
EA16X453	601
EA16X454	5019A
EA16X455	5019A
EA16X459	614
EA16X460	5018A
EA16X462	5009A
EA16X463	611
EA16X464	125
EA16X466	5022A
EA16X473	5024A
EA16X474	5024A
EA16X475	5011A
EA16X476	5304
EA16X477	519
EA16X483	5014A
EA16X485	116
EA16X495	5020A
EA16X496	5071A
EA16X498	614
EA16X499	5005A
EA16X500	5011T1
EA16X506	116
EA16X508	5045A
EA18X364	123A
EA33A8396	1155
EA33C8390	1466
EA33X0367	1003
EA33X3537	1624
EA33X8345	1624
EA33X8350	1005
EA33X8351	1027
EA33X8352	1019
EA33X8353	1003
EA33X8354	1003
EA33X8356	1005
EA33X8357	1006
EA33X8362	1180
EA33X8363	1180
EA33X8364	799
EA33X8366	1027
EA33X8367	1003
EA33X8368	1036
EA33X8371	1124
EA33X8372	1142
EA33X8373	789
EA33X8374	1179
EA33X8375	801
EA33X8376	1010
EA33X8377	1135
EA33X8378	722
EA33X8380	1055
EA33X8381	1181
EA33X8383	1301
EA33X8384	1193
EA33X8385	7473
EA33X8387	1185
EA33X8388	1167
EA33X8389	1155
EA33X8390	1475
EA33X8391	1140
EA33X8392	1192
EA33X8394	1192
EA33X8395	1249
EA33X8396	1155
EA33X8397	1248
EA33X8398	1193
EA33X8399	9946
EA33X8450	2060
EA33X8465	2061§
EA33X8468	955M
EA33X8469	923D
EA33X8479	941M
EA33X8491	2061§
EA33X8500	1100
EA33X8501	1272
EA33X8504	1228
EA33X8505	1465
EA33X8508	1249
EA33X8509	1192
EA33X8510	1234
EA33X8511	801
EA33X8515	1466
EA33X8516	1463
EA33X8521	1515
EA33X8522	1439
EA33X8526	1624
EA33X8528	1463
EA33X8529	1153
EA33X8530	1530
EA33X8531	4011B
EA33X8533	824
EA33X8534	1470
EA33X8535	1226
EA33X8537	1624
EA33X8538	1154
EA33X8539	1248
EA33X8540	1381
EA33X8541	1563
EA33X8542	1294
EA33X8545	1286
EA33X8546	1624
EA33X8547	1423
EA33X8548	823
EA33X8550	1505
EA33X8551	1465
EA33X8558	1497
EA33X8559	1465
EA33X8564	1624
EA33X8566	1475
EA33X8567	1192
EA33X8568	1215
EA33X8569	1654
EA33X8572	1687
EA33X8573	1557
EA33X8576	1619
EA33X8577	1226
EA33X8578	1516
EA33X8579	1512
EA33X8581	1561
EA33X8582	1248
EA33X8583	1563
EA33X8584	2061§
EA33X8585	1052
EA33X8586	1155
EA33X8588	1155
EA33X8591	1248
EA33X8598	1659
EA33X8599	1606
EA33X8600	2061§
EA33X8605	74LS00
EA33X8607	1248
EA33X8700	1512
EA33X8702	778A
EA33X8703	746
EA33X8704	1475
EA33X8705	1248
EA33X8706	1634
EA33X8707	1379
EA33X8708	1170
EA33X8709	1634
EA33X8710	1637
EA33X8717	1557
EA33X8722	1571
EA33X8765	860
EA33X8814	1624
EA33X9559	1465
EA50X12	153 + 152(CP)
EA54X14	116
EA57X1	116
EA57X3	116
EA57X4	116
EA57X8	116
EA57X10	116
EA57X11	116
EA57X14	116
EA57X16	5304
EA57X17	5304
EA75X1	116
EA100	125
EA1072	116
EA1080	123A
EA1081	102A
EA1082	121
EA1123	109
EA1128	123A
EA1129	123A
EA1135	123A
EA1145	123A
EA1318	142A
EA1337	160
EA1338	160
EA1339	160
EA1340	160
EA1341	121
EA1342	160
EA1343	108
EA1344	123A
EA1345	123A
EA1346	102A
EA1405	177
EA1406	123A
EA1407	123A
EA1408	123A
EA1448	116
EA1451	123A
EA1452	123A
EA1499	123A
EA1549	128
EA1562	108
EA1563	108
EA1564	123A
EA1578	123A
EA1581	123A
EA1628	123A
EA1629	123A
EA1630	123A
EA1638	123A
EA1661	177
EA1672	116
EA1684	128
EA1695	123A
EA1696	123A
EA1697	123A
EA1698	128
EA1700	121
EA1703	123A
EA1716	123A
EA1718	123A
EA1733	108
EA1735	123A
EA1740	130
EA1760	717
EA1793	108
EA1872	123A
EA1873	128
EA2131	107
EA2132	107
EA2133	126A
EA2134	102A
EA2135	102A
EA2136	158
EA2137	110MP
EA2140	116
EA2176	102A
EA2271	123A
EA2429	199
EA2488	186
EA2489	123A
EA2490	123A
EA2491	126A
EA2493	108
EA2494	107
EA2495	108
EA2496	107
EA2497	126A
EA2498	126A
EA2499	116
EA2500	142A
EA2501	116
EA2502	109
EA2600	108
EA2601	108
EA2602	108
EA2603	108
EA2604	108
EA2605	108
EA2606	110MP
EA2607	177
EA2608	136A
EA2608(Diode)	177
EA2738	199
EA2739	123A
EA2740	123A
EA2741	116
EA2770	123A
EA2771	199
EA2812	107
EA3127	109
EA3149	123A
EA3212	131
EA3239	131
EA3278	312
EA3282	1003
EA3406	108
EA3407	172A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
EA3447	177
EA3674	186
EA3713	229
EA3714	159
EA3715	153
EA3716	152
EA3718	109
EA3719	142A
EA3763	199
EA3827	116
EA3866	139A
EA3989	116
EA3990	192
EA4025	199
EA4026	199
EA4055	152
EA4057	116
EA4085	152
EA4112	123A
EA4147	153
EA5711	116
EA6801	1000
EA7314	159
EA7316A	2060
EA7316B	2060
EAA00-17400	261
EAA00-17500	85
EAB00-09500	290A
EAC00-00600	116
EACT0-00400	519
EAD00-1040	5009A
EAD00-10400	5009A
EAD00-15100	145A
EAD00-17200	5088A
EAE00-12600	5313
EAI-380	184
EAOX12	153 + 152(CP)
EAQ00-07500	7406
EAQ00-11100	955M
EAQ00-12200	74LS04
EAQ00-12700	74LS74A
EAQ00-12900	74LS123
EAQ00-13100	74LS174
EAQ00-15200	7407
EAQ00-17200	74LS14
EAQ00-17600	74LS32
EAQ00-19300	74LS374
EAQ00-21500	74LS139
EAQ00-22600	74LS373
EAQ00-22900	74LS155
EAQ00-23600	74LS257
EAQ00-24700	74LS156
EAS00-00700	960
EAS00-05800	834
EAX012	153 + 152(CP)
EB0001	102A
EB0003	102A
EB1(Elcom)	166
EB2(Elcom)	168
EB3(Elcom)	166
EB4(Elcom)	167
EB6(Elcom)	168
EB7(Elcom)	169
EB9(Elcom)	166
EB10(Elcom)	167
EB11(Elcom)	168
EB12(Elcom)	169
EB13(Elcom)	170
EB301GN	9301
EB301GP	9301
EB302GN	9302
EB302GP	9302
EB303GN	9303
EB303GP	9303
EB304GN	9304
EB304GP	9304
EB306GN	9306
EB306GP	9306
EB307GN	9307
EB307GP	9307
EB311GN	9311
EB311GP	9311
EB312GN	9312
EB312GP	9312
EB321GN	9321
EB321GP	9321
EB322GN	9322
EB322GP	9322
EB323GN	9323
EB323GP	9323
EB324GN	9324
EB324GP	9324
EB325GN	9325
EB325GP	9325
EB326GN	9326
EB326GP	9326
EB331GN	9331
EB331GP	9331
EB332GN	9332
EB332GP	9332
EB333GN	9333
EB333GP	9333
EB335GN	9335
EB335GP	9335
EB342GN	9342
EB342GP	9342
EB343GN	9343
EB343GP	9343
EB347GN	9347
EB347GP	9347
EB361GN	9361
EB361GP	9361
EB363GN	9363
EB363GP	9363
EB367GN	9367
EB367GP	9367
EB368GN	9368
EB368GP	9368
EB370GN	9370
EB370GP	9370
EB371GN	9371
EB371GP	9371
EB372GN	9372
EB372GP	9372
EB375GN	9375
EB375GP	9375
EB380GN	9380
EB380GP	9380
EB382GN	9382
EB382GP	9382
EB383GN	9383
EB383GP	9383
EB390GN	9390
EB390GP	9390
EB391GN	9391
EB391GP	9391
EB392GN	9392
EB392GP	9392
EB393GN	9393
EB393GP	9393
EB394GN	9394
EB394GP	9394
EB-134144	194
EC100	125
EC103A	5402
EC103B	5404
EC103D	5405
EC103M	5406
EC103Y	5400
EC106A1	5454
EC106A2	5454
EC106B1	5455
EC106B2	5455
EC106D1	5457
EC106D2	5457
EC106F1	5453
EC106F2	5453
EC/106K	2040
EC106Y1	5452
EC106Y2	5452
EC107A1	5413
EC107A2	5413
EC107B1	5414
EC107B2	5414
EC107D1	5457
EC107D2	5457
EC107F1	5412
EC107F2	5412
EC107Y1	5411
EC107Y2	5411
EC401	116
EC402	116
EC961	130
EC3045	288
ECC-01262	9932
ECC-01263	9945
ECC-01264	9946
ECC-01265	9962
ECC-01266	9951
ECC-01267	9930
ECC376	5645
ECC-A1202	A40240
ECC-A1210	A40240
ECC-A1225	A40240
ECC-A2402	A40240
ECC-A2410	A40240
ECC-A2425	A40240
ECC-D1202	B40240
ECC-D1210	B40240
ECC-D1225	B40240
ECC-D2402	B40240
ECC-D2410	B40240
ECC-D2425	B40240
ECD4001B	4001B
ECD4002B	4002B
ECD4007UB	4007
ECD4011B	4011B
ECD4012B	4012B
ECD4013B	4013B
ECD4014B	4014B
ECD4015B	4015B
ECD4016B	4016B
ECD4017B	4017B
ECD4018B	4018B
ECD4020B	4020B
ECD4021B	4021B
ECD4022B	4022B
ECD4023B	4023B
ECD4024B	4024B
ECD4027B	4027B
ECD4028B	4028B
ECD4029B	4029B
ECD4030B	4030B
ECD4040B	4040B
ECD4042B	4042B
ECD4043B	4043B
ECD4046B	980
ECD4048B	4048B
ECD4050B	4050B
ECD4051B	4051B
ECG122	5483
ECG132	312
ECG133	312
ECG733	804
ECR-600-2	116
ED0031	580
ED0035	5012A
ED0036	5012A
ED0039	145A
ED0056	580
ED0059	116
ED0061D	5010A
ED0067	5629
ED0084A	5012A
ED0084B	5012A
ED0084C	5012A
ED0084D	5012A
ED0109E	5013A
ED0111	5004A
ED0120	116
ED0147	5004A
ED0173	125
ED0214F	5013A
ED2(Elcom)	112
ED3(Elcom)	112
ED-4	116
ED4(Elcom)	109
ED-5	116
ED-6	116
ED6(Elcom)	109
ED6.2EB	137A
ED7	116
ED7(Elcom)	112
ED8(Elcom)	156
ED9(Elcom)	109
ED10(Elcom)	110MP
ED11(Elcom)	110MP
ED12(Elcom)	109
ED21(Elcom)	177
ED23(Elcom)	506
ED24(Elcom)	173BP§
ED29(Elcom)	156
ED31(Elcom)	177
ED32(Elcom)	177
ED46	109
ED-46	109
ED51	160
ED52	100
ED53	100
ED54B	100
ED55	102A
ED56	102A
ED57	102A
ED60	109
ED-60	109
ED123	3020
ED150Z	123A
ED201	3050
ED592K	229
ED592M	108
ED730	3041
ED1402	123A
ED-1402	123A
ED1402A	123A
ED1402A/09-305066	123A
ED1402B	123A
ED1402C	123AP
ED1402C/30	123A
ED1402C/30V	123A
ED1402D	123AP
ED1402D/30V	123A
ED1402E	123AP
ED1403D	123A
ED1403D/30V	123A
ED1502	233
ED1502A	233
ED1502B	233
ED1502C	233
ED-1502C	229
ED1502D	233
ED1502E(EBC)	229
ED1502F	229
ED1502R	233
ED1602	159
ED1602A	159
ED1602B	159
ED1602C(ECB)	159
ED1602D	159
ED1602D(ECB)	159
ED1602D/30V	159
ED1602DE	159
ED1602E	159
ED1702	123AP
ED1702C	293
ED1702D	123AP
ED1702K	123AP
ED1702L	123A
ED1702L/09-305068	123A
ED1702M	123AP
ED1702N	123AP
ED1802	159
ED1802-0	159
ED1802C	294
ED1802L	288
ED1802M	159
ED1802N	294
ED1804	116
ED1892	116
ED2106	116
ED2107	116
ED2108	116
ED2109	116
ED2110	116
ED2842	116
ED2843	116
ED2844	116
ED2845	116
ED2846	116
ED2847	125
ED2848	125
ED2849	125
ED2910	125
ED2911	125
ED2912	125
ED2913	125
ED2914	116
ED2915	116
ED2916	116
ED2917	116
ED2918	116
ED2919	116
ED2920	116
ED2921	116
ED2922	125
ED2923	125
ED2924	125
ED3000	116
ED3000A	116
ED3000B	116
ED3001	116
ED3001A	116
ED3001B	116
ED3002	116
ED3002A	116
ED3002B	116
ED3003	116
ED3003A	116
ED3003B	116
ED3003S	116
ED3004	116
ED3004A	116
ED3004B	116
ED3005	116
ED3005A	116
ED3005B	116
ED3006	116
ED3006A	116
ED3006B	116
ED3007	125
ED3007A	125
ED3007B	125
ED3008	125
ED3008A	125
ED3008B	125
ED3009	125
ED3009A	125
ED3009B	125
ED3010	125
ED3010A	125
ED3010B	125
ED17004	102A
ED17006	121
ED17010	128
ED219464	109
ED223547	116
ED224548	116
ED224550	116
ED306937	5024A
ED329128	116
ED329130	116
ED490511	605A
ED491130	5073A
ED494583	116
ED498150	5078A
ED511097	116
ED511918	5081A
ED514721	177
ED515790	177
ED516420	177
ED536062	177
ED560913	177
ED624903	519
ED698826	3007
EDC TR11-1	199
EDC TR11-4	128
EDC TR11-5	128
EDC-Q10-1	123A
EDG-0001	109
EDG-0003	109
EDG-0006	109
EDG-1	109
EDG-3	109
EDG-6	109
EDH6023	519
EDi7002	121
EDJ-363	116
EDMF-15B	503
EDMF-25b	504
EDMF-25B	504
EDMF25B	504
EDO 219	123A
EDS-0001	177
EDS-0002	116
EDS-0004	116
EDS-0014	177
EDS-0017	116
EDS-0024	116
EDS-0038	601
EDS-0042	614
EDS-1	507
EDS-4	116
E-DS17	116(2)
EDS-17	116
E-DS18	116(2)
EDS-24	116
EDS-25	177
EDS-100	123A
E-DS135D	116
E-DS442	177
E-DS442-VG1	177
E-DS442VG1	177
E-DS442YG1	177
EDZ-0041	5072A
EDZ-0042	139A
EDZ-0045	139A
EDZ-2	138A
EDZ-19	136A
EDZ-20	5071A
EDZ-23	139A
EDZ-24	5072A
EE100	102
EER600-2	117A
EF1(Elcom)	312
EF2(Elcom)	312
EF3	312
EF4(Elcom)	222
EF5(Elcom)	222
EF100	125
EF200	525
EF2114	2114
EF2114-20	2114
EF2114-25	2114
EF2114-30	2114
EF2114-40	2114
EF2114P-20	2114
EF2114P-25	2114
EF2114P-30	2114
EF6810	6810
EF6810C	6810
EF6810P	6810
EG100	116
EG100H	116
EGA01-11	5074A
EGE06-02	5543#
EGE06-04	5545#
EGE06-06	5547#
EGE06-08	5548#
EGE16-02	5543◆
EGE16-04	5545◆
EGE16-06	5547◆
EGE16-08	5548◆
EGG06-02	5567◆
EGG06-04	5568◆
EGG06-06	5568◆
EGG06-08	5569◆
EGH16-06	5577#
EGH16-08	5579#
EGH16-10	5579#
EGH16-12	5579#
E-GZA5R1Z	5010A
EH-1	552
EH-1A	552
EH-1Z	552
EH2C11	116(3)
EH16X20	177
E-HA12413	1557
EI306941	1331
EI307200	1489
EI517342	1011
EI650586	788
EICM-0037	1052
EICM-0060	1155
EICM-14	1103
EK03	585
EK04	585
EK-04	116
EK13	586
EK14	586
EK136	102A
EK159	100
EI3-006-02	159
EL75	229
EL131	312
EL214	128
EL232	123A
EL264	129
EL274(BEC)	395◆
EL401	172A
EL403	123AP
EL-403	289A
EL434	107
EL504	49
EL554	50
EL614	194
EL694	288
ELA1101P	3111
ELA1131P	3113
ELA2101P	3112
ELA2131P	3114
E-LA4192	1667
EM01	116
EM01A	116
EM01Z	116
EM-1	116
EM1J2	116
EM1Y	116
EM-1Z	116
EM1Z	116
EM-1ZS	116
EM1ZV	116
EM2B	125
EM9-8	914
EM401	116
EM402	116
EM403	116
EM404	116
EM405	116
EM406	116
EM407	116
EM408	116
EM410	116
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ENB151D-07A	1V095
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ER7(Elcom)	500A
ER9(Elcom)	513
ER10(ELCOM)	5892
ER10R(ELCOM)	5893
ER11	116
ER11(ELCOM)	5896
ER11R(ELCOM)	5897
ER12	116
ER12(ELCOM)	5896
ER12R(ELCOM)	5897
ER13(ELCOM)	5900
ER13R(ELCOM)	5901
ER14(ELCOM)	5900
ER14R(ELCOM)	5901
ER15(ELCOM)	5904
ER15R(ELCOM)	5905
ER15X4	160
ER15X5	160
ER15X6	160
ER15X7	102A
ER15X9	102A
ER15X10	121
ER15X11	160
ER15X12	160
ER15X13	160
ER15X14	160
ER15X15	160
ER15X16	160
ER15X17	102A
ER15X18	102A
ER15X19	160
ER15X20	160
ER15X21	160
ER15X22	102A
ER15X23	102A
ER15X24	160
ER15X25	160
ER15X26	160
ER16(ELCOM)	5904
ER17(ELCOM)	5908
ER17R(ELCOM)	5909
ER18(ELCOM)	5910
ER18R(ELCOM)	5911
ER20(Elcom)	5980
ER20R(Elcom)	5981
ER21	116
ER21(Elcom)	5986
ER21R(ELCOM)	5983
ER22	116
ER22(Elcom)	5986
ER22R(Elcom)	5987
ER23(ELCOM)	5988
ER23R(ELCOM)	5989
ER24(Elcom)	5990
ER24R(Elcom)	5991
ER25(ELCOM)	5992
ER25R(Elcom)	5995
ER26(Elcom)	5994
ER26R(Elcom)	5995
ER27(Elcom)	5998
ER28(Elcom)	6002
ER28R(Elcom)	6003
ER31	116
ER32(Elcom)	500A
ER33(Elcom)	504
ER34(Elcom)	505
ER41	116
ER42	116
ER51	116
ER57X2	116
ER57X3	116
ER57X4	116
ER61	116
ER62	116
ER81	125
ER101	116
ER102	117A
ER102D	116
ER103D	116
ER103E	116
ER104D	116
ER105D	116
ER106D	116
ER107D	125
ER108D	125
ER181	116
ER182	116
ER183	116
ER184	116
ER185	116
ER186	125
ER187	125
ER201	116
ER301	116
ER308	125
ER310	125
ER381	116
ER401	116
ER501	116
ER601	116
ER801	125
ER824-06	506
ER1001	125
ER1400	2800
ER1400PC	2800
ER5100	128
ERA01-35RC	143A
ERA81-004	585
ERB01-01	116
ERB01-02	116
ERB01-05	135A
ERB01-011Z	5074A
ERB01-10	525
ERB-07RE	5071A
ERB11-01	116
ERB12-01	116
ERB12-01R	116
ERB12-01RK	116
ERB12-02	125
ERB-12-02	116
ERB12-02RK	116
ERB12-02V	125
ERB12-04	125
ERB12-04RK	125
ERB12-06	116
ERB12-10	125
ERB15	116
ERB15-01	125
ERB16-08	506
ERB16-12	506
ERB22-15	116
ERB24	552
ERB24(GE)	116
ERB24-01A	506
ERB24-02B	506
ERB24-02D	552
ERB24-04	552
ERB24-04A	552
ERB24-04B	506
ERB24-04C	552
ERB24-04CV	552
ERB24-04D	552
ERB24-06	552
ERB-24-06A	552
ERB24-06B	552
ERB24-06C	552
ERB24-06D	552
ERB26-20	525
ERB26-20L	525
ERB26-20M	525
ERB26-20MV	525
ERB28-02	552
ERB28-04	552
ERB28-04CV	552
ERB28-04D	552
ERB28-04DV	552
ERB28-06DV	552
ERB29-02	552
ERB29-04	552
ERB30-13	558
ERB30-15	558
ERB35-02	587
ERB43	552
ERB43-02	552
ERB43-04	552
ERB44-04	552
ERB44-06	552
ERB81	586
ERB81-004	586
ERB1201	116
ERB2404C	552
ERB2404D	552
ERB2406A	552
ERB2406C	552
ERB2406D	552
ERB2802	552
ERB4302	552
ERB81004	586
ERC01-02	125
ERC01-02L	125
ERC01-02L12	125
ERC01-06	125
ERC01-10	156
ERC01-12	125
ERC04-02	125
ERC04-04	125
ERC04-04F	125
ERC04-06	125
ERC04-10	125
ERC05-10	125
ERC06	125
ERC0410	125
ERC0508	125
ERC0510	125
ERC0510V	125
ERC20-02	581
ERC20-04	581
ERC24-04	552
ERC24-06S	552
ERC24-10	552
ERC25-04	552
ERC25-06	552
ERC26-13	506
ERC26-13L	525
ERC26-15S	506
ERC26-15T	506
ERC27-13	506
ERC27-15	506
ERC35-02	588
ERC44-04	552
ERC46-02	580
ERC46-04	580
ERC47-02	580
ERC47-04	580
ERC81-004	586
ERC81-004L	586
ERC81004	586
ERC81004L7	586
ERCC4-06	125
ERD-02	506
ERD02-06	125
ERD02-10	156
ERD03-02	156
ERD-04	506
ERD-06	506
ERD24-005	5819
ERD24-01	5819
ERD24-02	5819
ERD24-04	5821
ERD24-06D	552
ERD28-04	580
ERD28-04S	580
ERD28-06	580
ERD28-08	506
ERD28-08S	506
ERD28-045	580
ERD29-02	580
ERD29-04	580
ERD29-04H2	580
ERD29-06	580
ERD29-08	506

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
ERD29-08J	506
ERD47-02	580
ERD51-01	5874‡
ERD51-03	5878‡
ERD51-06	5882‡
ERD51-09	5890‡
ERD74-005	5818
ERD74-01	5818
ERD74-02	5818
ERD74-04	5820
ERD75-005	5818‡
ERD75-01	5818‡
ERD75-02	5818‡
ERD81-004	6084
ERD300	116
ERD400	116
ERD700	125
ERD800	125
ERD900	125
ERD1000	125
ERE24-005	6007
ERE24-01	6007
ERE24-02	6007
ERE24-04	6009
ERE51-01	5982‡
ERE51-03	5990‡
ERE51-06	5994‡
ERE51-09	6002‡
ERE74-005	6006
ERE74-01	6006
ERE74-02	6006
ERE74-04	6008
ERE75-005	6006‡
ERE75-01	6006‡
ERE75-02	6006‡
ERE81-004	6094
ERG01-01	5992‡
ERG01-03	5992‡
ERG01-06	5994‡
ERG01-09	6002‡
ERG24-005	6007
ERG24-01	6007
ERG24-02	6007
ERG24-04	6009
ERG74-005	6006
ERG74-01	6006
ERG74-02	6006
ERG74-04	6008
ERG75-005	6006‡
ERG75-01	6006‡
ERG75-02	6006‡
ERG81-004	6094
ERG81A-004	6094
ERM12-02	125
ERS120	396
ERS140	396
ERS160	396
ERS180	396
ERS200	396
ERS225	396
ERS250	396
ERS275	396
ERS301	396
ERS325	396
ERS350	396
ERS375	396
ERS401	396
ERS425	396
ERS450	396
ERV-02F2150	116
ERZ08A3K101	601
ERZ-08D3K121	5097A
ERZ15A3S251	601
ERZ15A32S251	601
ERZ15D3K471	601
ERZ-C05DK22	1V014
ERZ-C05DK27	1V017
ERZ-C05DK33	1V020
ERZ-C05DK56	1V035
ERZ-C05DK82	1V050
ERZ-C05DK101	1V060
ERZ-C05DK121	1V075
ERZ-C05DK151	1V095
ERZ-C05DK201	1V130
ERZ-C05DK220	1V014
ERZ-C05DK241	1V150
ERZ-C05DK270	1V017
ERZ-C05DK330	1V020
ERZ-C05DK390	1V025
ERZ-C05DK391	1V250
ERZ-C05DK431	1V275
ERZ-C05DK470	1V030
ERZ-C05DK471	1V300
ERZ-C05DK560	1V035
ERZ-C05DK680	1V040
ERZ-C05DK820	1V050
ERZ-C07DK101	1V060
ERZ-C07DK121	1V075
ERZ-C07DK151	1V095
ERZ-C07DK201	1V130
ERZ-C07DK241	1V150
ERZ-C07DK391	1V250
ERZ-C07DK431	1V275
ERZ-C07DK471	1V300
ERZ-C10DK101	2V060
ERZ-C10DK121	2V075
ERZ-C10DK151	2V095
ERZ-C10DK201	2V130
ERZ-C10DK220	2V014
ERZ-C10DK241	2V150
ERZC10DK241U	2V150
ERZ-C10DK270	2V017
ERZ-C10DK330	2V020
ERZ-C10DK390	2V075
ERZ-C10DK391	2V250
ERZ-C10DK421	2V300
ERZ-C10DK431	2V275
ERZ-C10DK470	2V030
ERZ-C10DK560	2V035
ERZ-C10DK680	2V040
ERZ-C10DK681	2V420
ERZ-C10DK781	2V480
ERZ-C10DK820	2V050
ERZC10ZK241U	2V150
ERZ-C14DK101	2V060
ERZ-C14DK121	2V075
ERZ-C14DK151	2V095
ERZ-C14DK201	2V130
ERZ-C14DK220	2V014
ERZ-C14DK241	2V150
ERZ-C14DK270	2V017
ERZ-C14DK330	2V020
ERZ-C14DK390	2V025
ERZ-C14DK391	2V150
ERZ-C14DK431	2V275
ERZ-C14DK470	2V030
ERZ-C14DK471	2V300
ERZ-C14DK560	2V035
ERZ-C14DK680	2V040
ERZ-C14DK681	2V420
ERZ-C14DK781	2V480
ERZ-C14DK820	2V050
ERZ-C20DK201	524V13
ERZ-C20DK241	524V15
ERZ-C20DK391	524V25
ERZ-C20DK431	524V27
ERZ-C20DK471	524V30
ERZ-C20DK621	524V42
ERZ-C20DK781	524V48
ES01	552
ES01A	552
ES01F	558
ES01Z	552
ES1	552
ES-1	552
ES1(Elcom)	160
ES1(Diode)	552
ES1A	552
ES1F	558
ES1Z	552
ES2(Elcom)	102A
ES3	126A
ES3(Elcom)	102A
ES4(Elcom)	158
ES5	101
ES5(Elcom)	103A
ES6(Elcom)	103A
ES7	104
ES7(Elcom)	267
ES8(Elcom)	160
ES9	104
ES9(Elcom)	104
ES10	105
ES10(Elcom)	105
ES11(Elcom)	160
ES13	104
ES13(Elcom)	104
ES14	126A
ES14(Elcom)	160
ES15(Elcom)	160
ES15X1	123A
ES15X2	108
ES15X3	108
ES15X4	102A
ES15X6	108
ES15X7	123A
ES15X8	102A
ES15X9	159
ES15X10	108
ES15X11	123A
ES15X12	152
ES15X14	123A
ES15X16	123A
ES15X17	121
ES15X18	108
ES15X19	108
ES15X20	123A
ES15X22	233
ES15X23	123A
ES15X24	123A
ES15X30	108
ES15X31	102A
ES15X32	102A
ES15X37	123A
ES15X42	123A
ES15X43	121
ES15X45	104
ES15X48	103A
ES15X49	102A
ES15X50	102A
ES15X51	104
ES15X52	127
ES15X53	102A
ES15X54	127
ES15X55	102A
ES15X56	161
ES15X57	161
ES15X58	123A
ES15X59	154
ES15X60	108
ES15X61	126A
ES15X62	123A
ES15X63	102A
ES15X64	123A
ES15X65	161
ES15X66	107
ES15X67	107
ES15X68	123A
ES15X69	108
ES15X70	123A
ES15X71	103A
ES15X72	102A
ES15X73	126A
ES15X74	103A
ES15X75	158
ES15X76	123A
ES15X77	127
ES15X78	104
ES15X79	161
ES15X80	107
ES15X81	107
ES15X82	107
ES15X83	123A
ES15X84	123A
ES15X85	123A
ES15X86	152
ES15X87	161
ES15X88	161
ES15X89	154
ES15X90	290A
ES15X91	228A
ES15X92	312
ES15X93	128
ES15X94	165
ES15X95	124
ES15X96	161
ES15X97	107
ES15X98	175
ES15X99	158
ES15X100	102A
ES15X101	159
ES15X102	107
ES15X104	161
ES15X105	161
ES15X106	233
ES15X107	159
ES15X122	161
ES15X123	161
ES15X125	241
ES15X126	163A
ES15X127	233
ES15X128	159
ES16(Elcom)	130
ES16X2	109
ES16X3	109
ES16X5	109
ES16X6	109
ES16X7	109
ES16X12	109
ES16X13	116
ES16X14	109
ES16X16	506
ES16X20	506
ES16X21	110MP
ES16X23	177
ES16X24	177
ES16X25	116
ES16X27	519
ES16X28	506
ES16X29	5080A
ES16X30	177
ES16X31	506
ES16X32	177
ES16X33	156
ES16X40	177
ES16X41	5079A
ES16X58	5024A
ES16X70	110MP
ES16X103	109
ES17(Elcom)	102A
ES18	121
ES18(Elcom)	104
ES19	102A
ES19(Elcom)	160
ES20(Elcom)	123A
ES21	105
ES21(Elcom)	121
ES22(Elcom)	128
ES23	102A
ES23(Elcom)	160
ES24(Elcom)	124
ES25	100
ES25(Elcom)	160
ES26	100
ES26(Elcom)	102A
ES27(Elcom)	179
ES28(Elcom)	155
ES29(Elcom)	131
ES30	103A + 158(CP)
ES31(Elcom)	130
ES32(Elcom)	154
ES33(Elcom)	162
ES34(Elcom)	159
ES35(Elcom)	130MP
ES36(Elcom)	175
ES37(Elcom)	158
ES38(Elcom)	103A
ES39(Elcom)	157
ES40(Elcom)	194
ES41	126A
ES41(Elcom)	160
ES42(Elcom)	127
ES43(Elcom)	181
ES44(Elcom)	175
ES45(Elcom)	175
ES46	123
ES46(Elcom)	123A
ES47(Elcom)	6400B
ES47X1	116
ES-48	124
ES49(Elcom)	218
ES50(Elcom)	131
ES51(Elcom)	129
ES51X65	128
ES53(Elcom)	123A
ES54(Elcom)	161
ES55(Elcom)	162
ES56(Elcom)	128
ES57(Elcom)	128
ES57X1	116
ES57X2	116
ES57X4	116
ES57X5	116
ES57X6	113A
ES57X7	138A
ES57X8	506
ES57X9	506
ES57X11	505
ES57X12	177
ES57X13	503
ES57X21	503
ES58(Elcom)	184
ES59(Elcom)	179
ES60(Elcom)	185
ES61(Elcom)	226
ES62(Elcom)	128
ES63(Elcom)	176
ES64(Elcom)	219
ES65(Elcom)	159
ES66(Elcom)	182
ES67(Elcom)	183
ES68(Elcom)	185
ES69(Elcom)	390
ES71(Elcom)	162
ES72(ELCOM)	311
ES73(Elcom)	161
ES74(Elcom)	180
ES75(Elcom)	172A
ES75X1	712
ES76(Elcom)	171
ES80(Elcom)	152
ES81	189
ES81(Elcom)	153
ES82(Elcom)	188
ES83(Elcom)	189
ES84	163A
ES84(Elcom)	163A
ES84X1	1008
ES84X2	1018
ES84X3	712
ES85(Elcom)	123A
ES86(Elcom)	161
ES-88	195A
ES89	171
ES89(Elcom)	171
ES90	219
ES90(Elcom)	219
ES91(Elcom)	176
ES92	257
ES93	258
ES94	225
ES94(Elcom)	225
ES95	165
ES95(Elcom)	165
ES96	191
ES96(Elcom)	191
ES97	194
ES97(Elcom)	194
ES103	196
ES104	197
ES105	253
ES106	254
ES107	232
ES108	243
ES109	244
ES112	234
ES113	241
ES114	242
ES501	105
ES501(Elcom)	105
ES503	121
ES503(Elcom)	104
ES1513	503
ES1627	177
ES3110	126A
ES3111	126A
ES3112	126A
ES3113	126A
ES3114	126A
ES3115	126A
ES3116	126A
ES3120	102A
ES3121	102A
ES3122	102A
ES3123	102A
ES3124	102A
ES3125	102A
ES3126	102A
ES3266	108
ES4053	722
ES10110	131
ES10186	107
ES10187	108
ES10188	107
ES10189	109
ES10222	123A
ES10223	123A
ES10224	109
ES10225	109
ES10231	199
ES10232	123A
ES10233	116
ES10234	142A
ES15046	107
ES15047	107
ES15049	199
ES15050	123A
ES15051	187
ES15052	199
ES15054	109
ES15056	116
ES15057	177
ES15226	128
ES15227	186
ES-923933-1	149A
ESA06	168
ESA-06	168
ESA10-99	116
ESA-10C	116
ESA-10N	116
ESA10N	116
ESA213	126A
ESA233	126A
ESAB33-02CS	6240
ESAB82-004	6085
ESAB82-4	6085
ESAC25-02C	6240
ESAC25-02N	6244
ESAC31-01C	6240
ESAC31-01N	6244
ESAC31-02C	6240
ESAC31-02N	6244
ESAC33-02C	6240
ESAC33-02CS	6240
ESAC33-02N	6244
ESAC75-005	6206
ESAC75-01	6206
ESAC75-02	6206
ESAC82-004	6085
ESAC82-4	6085
ESAC83-004	6090#
ESAC83-4	6090#
ESAD25-02C	6246#
ESAD33-02C	6246#
ESAD33-02CS	6246#
ESAD75-005	6206
ESAD75-01	6206
ESAD75-02	6206
ESAD83-004	6090#
ESAD83-4	6090#
ESB714E1H	204
ESB744C	202
ESD918964P	128
ESGB01-08	544
ESGB01-09	544
ESK1/02	116
ESK1/06	116
ESKE40C500	116
ESKE125C500	125
ESM113	243
ESM114	243
ESM117	245
ESM118	245
ESM160	244
ESM161	246
ESM162	246
ESO1	552
ESO1A	552
ESO1F	558
ESP11-40	513
ESP11-45	513
ESPA05-30	527
ESPA91	568
ESPA94	568
ESPA97	568
ESPA98	568
ESQ-141	236
ESSB-01-IR50	519
ET1	160
ET2	160
ET3	102
ET4	102
ET5	102
ET6	104
ET7	105
ET8	101
ET9	101
ET10	103
ET11	103
ET12	126A
ET15X1	102A
ET15X2	107
ET15X3	107
ET15X4	121
ET15X5	121
ET15X7	108
ET15X8	128
ET15X9	108
ET15X10	123A
ET15X11	123A
ET15X12	123A
ET15X13	123A
ET15X14	123A
ET15X15	123A
ET15X16	123A
ET15X17	121
ET15X18	108
ET15X19	108
ET15X20	123A
ET15X21	108
ET15X23	108
ET15X24	123A
ET15X25	102A
ET15X26	127
ET15X27	123A
ET15X29	160
ET15X30	108
ET15X31	102A
ET15X32	102A
ET15X33	129
ET15X34	154
ET15X36	128
ET15X37	123A
ET15X38	129
ET15X39	129
ET15X40	127
ET15X41	123A
ET15X42	123A
ET15X43	121
ET15X45	123A
ET16X1	109
ET16X6	112
ET16X7	113A
ET16X10	113A
ET16X11	113A
ET16X13	112
ET16X14	112
ET16X15	142A
ET16X16	117A
ET16X17	136A
ET16X19	109
ET16X20	109
ET16X21	109
ET41X27	358A
ET41X37	109
ET41X47	358A
ET51X25	116
ET52X25	116
ET55-25	116
ET55X25	116
ET57X25	116
ET57X26	120
ET57X29	116
ET57X30	116
ET57X31	119
ET57X32	118
ET57X33	116
ET57X35	116
ET57X39	506
ET57X40	506
ET58X32	118
ET132	2306#
ET200	116
ET206	2311#
ET400	116
ET600	116
ET1511	102A
ET5063	98
ET5251	97
ET5252	97
ET5253	97
ET234843	123A
ET234854	289A
ET238894	123A
ET305221	85
ET307193	184
ET329218	289A
ET350335	234
ET352146	289A
ET368021	123A
ET379262	199
ET379462	199
ET380834	199
ET392927	210
ET398711	199
ET398777	199
ET412626	123A
ET453611	186A
ET491051	312
ET495371	186
ET517263	199
ET517375	235
ET517994	199
ET539122	294
ET618873	107
E-TA7343P	1657
E-TA7343PS	1657
ETD-1N60	109
ETD1S2788	177
ETD-10D1	116
ETD-10D2	116
ETDCDG21	177
ETD-HZ7C	5071A
ETD-RD9.1FB	139A
ETD-RD75	138A
ETD-SD46	109
ETD-SG9150	177
ETD-V06C	116
ETI-21	1002
ETI-22	801
ETI-23	1155
ETP2008	154
ETP3114	154
ETP3923	154
ETP5092	396
ETS-003	130
ETS-005	390
ETS014A	123AP
ETS-017	175
ETS-068	123A
ETS-069	129
ETS-070	128
ETS-071	129
ETTB-2SB176	102A
ETTB-2SB176A	102A
ETTB-2SB176B	102A
ETTB-2SB176R	102A
ETTB-75LB	102A
ETTB-367B	131
ETTC-2SC490	175
ETTC-458LG	123A
ETTC-930D	229
ETTC-945	199
ETTC-CD8000	123A
ETTC-CD12000	123A
ETTC-CD13000	123A
ETT-CDC-12000	123A
ETTD-235	152
ETX18	123A
EU01	552
EU-01	552
EU01A	552
EU-01A	552
EU01Z	552
EU-01Z	552
EU02	552
EU02A	552
EU02Z	552
EU-1	552
EU1A	552
EU-1A	552
EU-1AV	552
EU-1V	552
EU1Z	552
EU-2	552
EU2	552
EU2A	552
EU2V	552
EU2Z	552
EU15X1	108
EU15X2	108
EU15X3	108
EU15X6	108
EU15X27	128
EU15X34	128
EU16X1	109
EU16X2	109
EU16X4	112
EU16X8	114
EU16X11	177
EU16X14	112
EU16X19	110MP
EU16X20	552
EU57X31	119
EU57X32	118
EU57X38	120
EU57X40	116
EUO1	552
EUO1A	552
EUO1Z	552
EUZ-82	5072A
EVD10E1	116
EVR4	136A
EVR4A	136A
EVR4B	136A
EVR5	137A
EVR5A	137A
EVR5B	137A
EVR9	139A
EVR9A	139A
EVR9B	139A
EVR11	141A
EVR11A	141A
EVR11B	141A
EVR12	142A
EVR12A	142A
EVR12B	142A
EVR15	145A
EVR15A	145A
EVR15B	145A
EVR27	146A
EVR27A	146A
EVR27B	146A
EVR56	148A
EVR56A	148A
EVR56B	148A
EVR82	150A
EVR82A	150A
EVR82B	150A
EVR110	151A
EVR110A	151A
EVR110B	151A
EVS-K112C	113A
EW5X182	187A
EW14X18	605A
EW14X232	2V150
EW15X1	55
EW15X3(BCE)	85
EW15X6	290A
EW15X18	293
EW15X19	107
EW15X20	382
EW15X21	85
EW15X22	290A
EW15X23	85
EW15X24	379
EW15X25	85
EW15X26	153
EW15X27	290A
EW15X30	85
EW15X32	85
EW15X42	85
EW15X44	2409
EW15X49	2409
EW15X51	399
EW15X55	159
EW15X57	123AP
EW15X58	152
EW15X59	153
EW15X64	198

Fairchild "F" branded with part nbr is often mistaken as part of the nbr. Try locating nbr elsewhere by omitting "F".

Ex: FPN3645 - Not Found
PN3645 = ECG159

♦, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
EW15X66	85
EW15X67	89
EW15X69	328
EW15X71	373#
EW15X72	374◆
EW15X75	293
EW15X76	152
EW15X77	186A
EW15X78	107
EW15X79	85
EW15X81(CEB)	229
EW15X82(CEB)	229
EW15X83	2406
EW15X85	2408
EW15X86	2430
EW15X87	22
EW15X88	21
EW15X89	85
EW15X93	289A
EW15X94	290A
EW15X105	290A
EW15X107	298
EW15X108	56
EW15X109	21
EW15X112	294
EW15X113	312
EW15X114	153
EW15X115	199
EW15X116	373#
EW15X117	289A
EW15X118	234
EW15X119	187A
EW15X120	85
EW15X121	153
EW15X124	458
EW15X126(ECB)	46
EW15X128	85
EW15X129	234
EW15X130	85
EW15X132	290A
EW15X136	293
EW15X139	184◆
EW15X140	21
EW15X141	289A
EW15X142	157#
EW15X143	85
EW15X144	290A
EW15X146	19
EW15X148	290A
EW15X149	17
EW15X150	290A
EW15X151	21
EW15X152	21
EW15X154	15
EW15X156	2357◆
EW15X158	16
EW15X160	18
EW15X163	85
EW15X164	253
EW15X166	187A
EW15X167	19
EW15X168	19
EW15X169	55
EW15X170	390
EW15X171	85
EW15X172	16
EW15X173	16◆
EW15X174	18
EW15X175	29
EW15X176(BCE)	85
EW15X177	290A
EW15X178	19
EW15X181	87
EW15X183(BCE)	85
EW15X184	16
EW15X185	85
EW15X187	15
EW15X188	85◆
EW15X190	19
EW15X193(ECB)	288
EW15X196	373
EW15X197	152
EW15X199	18
EW15X200	294
EW15X202	153
EW15X203	373#
EW15X204	20
EW15X207	239
EW15X208	36
EW15X212	290A
EW15X215	19
EW15X217	293
EW15X218	379
EW15X223	290A
EW15X224	107
EW15X225	152
EW15X226	85
EW15X231	107
EW15X232	382
EW15X233	294
EW15X234	289A
EW15X237	153
EW15X238	373
EW15X240	290A
EW15X241	196
EW15X242	399
EW15X243	319P
EW15X244(SGD)	459
EW15X245	290A
EW15X250	2408
EW15X254	85
EW15X255	2407
EW15X257	374
EW15X258	12
EW15X260	19
EW15X262	377#
EW15X263	91
EW15X265	2408
EW15X267	2357
EW15X268	13
EW15X269	2358
EW15X271	21
EW15X272	21
EW15X276	17
EW15X277	21
EW15X279	19
EW15X281	21
EW15X282	373#
EW15X284	2406
EW15X286	16◆
EW15X289	18
EW15X301	19
EW15X302	19
EW15X304	399
EW15X305	399
EW15X306	198
EW15X307	85
EW15X308	85
EW15X310	198◆
EW15X312	152
EW15X313	375
EW15X316	16◆
EW15X317	18
EW15X320	377#
EW15X322	21
EW15X323	91
EW15X324	54
EW15X325	90
EW15X326	298
EW15X327	399
EW15X328	152
EW15X329	19
EW15X330	389
EW15X331	162
EW15X341	12
EW15X342	16
EW15X343	15
EW15X346	54
EW15X351	2409
EW15X353	2407
EW15X354	186A
EW15X355	293
EW15X356	198
EW15X358	376
EW15X359	399◆
EW15X361	165
EW15X363	293
EW15X370	2356◆
EW15X372	2355◆
EW15X373	2359◆
EW15X374	19
EW15X375	19
EW15X376	185
EW15X377	378#
EW15X378	51#
EW15X379	22
EW15X391	17
EW15X393	16
EW15X397	2407
EW15X398	2429
EW15X400	91
EW15X401	289A
EW15X402	2406
EW15X404	2428
EW15X405	2430
EW15X406	377#
EW15X407	55#
EW15X410	234
EW15X411	199
EW15X412	31
EW15X413	377#
EW15X415	91
EW15X416	85
EW15X417	91
EW15X428	16
EW15X429	290A
EW15X436	185
EW15X437	85
EW15X438	172A
EW15X440	16
EW15X448(GSD)	451
EW15X449	107
EW15X450	85
EW15X451	85
EW15X453	373#
EW15X457	19
EW15X458	21
EW15X460	2416
EW15X463	13
EW15X465	91
EW15X466	85
EW15X469	234
EW15X471	2402
EW15X472	2406
EW15X473	2410
EW15X475	2407
EW15X476	2407
EW15X477	2411
EW15X479	2417
EW15X482	152
EW15X484	290A
EW15X486	2419
EW15X487	290A
EW15X490	293
EW15X491	373#
EW15X496	31
EW15X497	37
EW15X498	17
EW15X499	55#
EW15X500	90
EW15X501	375
EW15X504	199
EW15X505	36
EW15X507	458
EW15X511	55#
EW15X512	2357
EW15X513	21
EW15X514	129
EW15X515	2358
EW15X516	85
EW15X517	2418
EW15X525	2357
EW15X526	2356
EW15X528	2358
EW15X529	2359
EW15X532	2428
EW15X535	19
EW15X536	382
EW15X541	2407
EW15X547	294
EW15X553	373#
EW15X626	2360
EW15X627	2355
EW16X9	555
EW16X10	519
EW16X11	552
EW16X12	552
EW16X13	5013A
EW16X14	148A
EW16X15	519
EW16X17	614
EW16X19	601
EW16X21	5015A
EW16X22	116
EW16X30	519
EW16X36	552
EW16X45	109
EW16X49	519
EW16X51	519
EW16X52	5024A
EW16X54	615A
EW16X59	116
EW16X61	5012A
EW16X62	109
EW16X65	519
EW16X66	519
EW16X68	145A
EW16X69	5020A
EW16X70	5014A
EW16X71	552
EW16X80	5022A
EW16X81	5019T1
EW16X82	5002A
EW16X88	5014A
EW16X91	605A
EW16X92	116
EW16X93	125
EW16X95	5018A
EW16X98	116
EW16X100	3007
EW16X102	519
EW16X103	615A
EW16X106	519
EW16X108	125(4)
EW16X109	519
EW16X110	519
EW16X111	519
EW16X112	116
EW16X113	143A
EW16X114	5016A
EW16X119	519
EW16X121	552
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EW16X126	552
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EW16X146	519
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EW16X155	5010A
EW16X157	5022A
EW16X159	5016A
EW16X160	5024A
EW16X161	5024A
EW16X165	605A
EW16X166	5024A
EW16X169	519
EW16X175	552
EW16X176	605A
EW16X179	586
EW16X185	5021A
EW16X187	5013A
EW16X188	5010A
EW16X189	109
EW16X192	5020A
EW16X193	519
EW16X194	109
EW16X196	552
EW16X197	5007A
EW16X200	116
EW16X202	125
EW16X204	5011A
EW16X205	5018A
EW16X206	5025A
EW16X209	156(4)
EW16X218	109
EW16X221	552
EW16X224	5011A
EW16X225	5004A
EW16X226	519
EW16X231	590
EW16X232	591
EW16X251	5014A
EW16X257	519
EW16X258	5077A
EW16X263	5013A
EW16X264	5016A
EW16X267	605A
EW16X298	5014A
EW16X303	519
EW16X304	605A
EW16X305	519
EW16X306	116
EW16X307	5014A
EW16X308	552
EW16X309	552
EW16X310	5020A
EW16X311	109
EW16X312	552
EW16X313	125
EW16X315	5023A
EW16X316	5021A
EW16X322	5010A
EW16X325	519
EW16X332	580
EW16X336	519
EW16X338	125
EW16X359	519
EW16X366	5011A
EW16X368	5023A
EW16X369	5022A
EW16X371	590
EW16X377	5314
EW16X379	586
EW16X382	605A
EW16X386	519
EW16X388	590
EW16X389	591
EW16X391	5013A
EW16X403	5332
EW16X404	125
EW16X408	580
EW16X417	5012A
EW16X429	5021A
EW16X430	5031A
EW16X432	5014A
EW16X437	605A
EW16X449	5025A
EW16X453	590
EW16X455	116
EW16X466	5027A
EW16X477	5332
EW16X497	177
EW41X130	3022
EW82X153	1314
EW84X7	4068B
EW84X8	4011B
EW84X12	615A
EW84X15	1657
EW84X18	1515
EW84X30	4071B
EW84X33	778A
EW84X39	1268
EW84X40	9401
EW84X41	1223
EW84X42	9200
EW84X43	1270
EW84X44	9400
EW84X46	1267
EW84X48	1265
EW84X49	1266
EW84X50	1269
EW84X51	1408
EW84X52	1123
EW84X55	1263
EW84X56	1168
EW84X57	712
EW84X60	1714S
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EW84X71	1660
EW84X84	4011B
EW84X89	1412
EW84X90	1419
EW84X92	1427
EW84X93	9402
EW84X94	1428
EW84X95	1421
EW84X96	1425
EW84X97	1405
EW84X100	1591
EW84X114	712
EW84X115	1522
EW84X133	1409
EW84X136	1600
EW84X137	1554
EW84X138	1705
EW84X147	1400
EW84X148	1621
EW84X150	1422
EW84X151	1702
EW84X152	1703
EW84X154	1701
EW84X155	1613
EW84X156	834
EW84X158	1717
EW84X169	4013B
EW84X170	4027B
EW84X171	4081B
EW84X172	40097B
EW84X173	712
EW84X174	1440
EW84X175	9403
EW84X176	1930
EW84X180	2207
EW84X182	1709
EW84X188	778A
EW84X192	778A
EW84X194	1452
EW84X196	943M
EW84X198	1558
EW84X205	1636
EW84X207	977
EW84X210	4514B
EW84X215	962
EW84X216	962
EW84X217	1234
EW84X220	1402
EW84X223	1715
EW84X224	928S
EW84X226	1529
EW84X232	928M
EW84X233	928M
EW84X239	1689
EW84X249	943M
EW84X252	1630
EW84X253	4528B
EW84X256	1930
EW84X259	966
EW84X260	4011B
EW84X261	4049
EW84X262	4050B
EW84X268	712
EW84X269	1539
EW84X270	1416
EW84X275	1679
EW84X277	981
EW84X286	615A
EW84X294	1706
EW84X295	1686
EW84X296	1628
EW84X310	1471
EW84X312	1712
EW84X314	1711
EW84X315	1688
EW84X328	1705
EW84X341	4066B
EW84X360	928M
EW84X361	1717
EW84X372	834
EW84X375	1713
EW84X393	1682
EW84X394	1415
EW84X396	1437
EW84X410	1435
EW84X413	4042B
EW84X414	4013B
EW84X415	4539B
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EW84X417	1710
EW84X419	4528B
EW84X422	1551
EW84X423	1663
EW84X424	1295
EW84X425	1726
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EW84X427	1546
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EW84X453	960
EW84X455	972
EW84X457	1683
EW84X460	4011B
EW84X465	4053B
EW84X480	1744
EW84X483	778A
EW84X486	1609
EW84X487	1135
EW84X488	778A
EW84X490	1716
EW84X496	4066B
EW84X500	4066B
EW84X513	40097B
EW84X521	4027B
EW84X525	960
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EW84X528	969
EW84X542	977
EW84X546	4011B
EW84X549	858M
EW84X553	4053B
EW84X554	74LS123
EW84X557	74LS74A
EW84X559	74LS393
EW84X564	1716
EW84X567	7407
EW84X568	74LS04
EW84X580	4066B
EW84X582	7406
EW84X585	1448
EW84X621	40097B
EW84X677	778A
EW84X678	74LS107
EW84X679	74LS74A
EW84X680	858M
EW84X685	1718
EW84X687	4516B
EW84X720	1902
EW84X747	966
EW84X751	4001B
EW84X756	4069
EW84X783	1740
EW84X785	941M
EW84X793	1217
EW84X828	1427
EW84X863	4013B
EW84X865	778A
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EW84X899	1545
EW84X900	1547
EW84X901	712
EW84X1009	1727
EW162	108
EW163	107
EW164	107
EW165	107
EW165V	123A
EW166	109
EW167	109
EW168	110MP
EW169	156
EW169B	116(2)
EW181	123A
EW182	123A
EW183	153
EW183B	175
EW212	161
EWQ202	159
EWS-78	199
EWX192	778A
EX0011CE	5024A
EX0011GE	5024A
EX0019TA	5022A
EX0021TA	5020A
EX0038CE	142A
EX0042CE	148A
EX0046TA	5015A
EX0047CE	142A
EX0048CE	5013A
EX0061CE	142A
EX0065CE	5025A
EX0074CE	5161A
EX0084CE	5093A
EX0088CE	5014A
EX0089CE	5016A
EX0091CE	5030A
EX0092CE3.9V	5007A
EX0103CE	5011A
EX0106CE	5047A
EX0112CE	5077A
EX0113CE15V	5025A
EX0114CE9.1V	5018A
EX0130CE	5029A
EX0131CE	5010A
EX0136CE	5006A
EX0137CE	5009A
EX0137TA	5009A
EX0161CE	5015A
EX0163CE	5095A
EX0192CE	137A
EX0193CE	5074A
EX0217CE	5024A
EX0D43TA5.6V	5011A
EX15X25	102A
EX39-X	705A
EX42-X	714
EX46-X	713
EX48-X	715
EX62-X	790
EX215-X	513
EX4035	722
EX4053	722
EX-141216	128
EXRS-110A	B40240
EXRS-110C	B40240
EXRS-210A	B40240
EXRS-210C	B40240
EXT95423C	1548
EXT95427C	1553
EYP-1BS163	8167
EYP-2AS103	8103
EYP-2AS109	8108
EYP-2AS129	8125
EYP-2AS163	8167
EYP-2AU163	8167
EYV320D010JB	601
EYV-320D1R2J	177
EYV320D1R2J3	601
EYV-420D1R5JA	116
EYV420D1R5JB	109
EYZP-307-900	5529
EYZP-384	177
EYZP-546	159
EYZP-623	159
EYZP-632	123A
EYZP-791	123A
EYZP-808	234
EZ3(Elcom)	5066A
EZ3-7(Elcom)	5120A
EZ3-12(Elcom)	5127A
EZ3-14(Elcom)	5129A
EZ3-15(Elcom)	5130A
EZ3-16(Elcom)	5131A
EZ3-20(Elcom)	5135A
EZ3-30(Elcom)	5141A
EZ4(Elcom)	5067A
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EZ5R6(Elcom)	136A
EZ6(Elcom)	5071A
EZ7(Elcom)	138A
EZ8(Elcom)	5072A
EZ9(Elcom)	139A
EZ10(Elcom)	140A
EZ10-7(Elcom)	5181A
EZ10-8(Elcom)	5183A
EZ10-10(Elcom)	5186A
EZ10-12(Elcom)	5188A
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EZ10-28(Elcom)	5201A
EZ11(Elcom)	5074A
EZ12(Elcom)	142A
EZ13(Elcom)	143A
EZ14(Elcom)	144A
EZ15(Elcom)	145A
EZ16(Elcom)	5075A
EZ16X88	5071A
EZ16X102	137A
EZ18(Elcom)	5077A
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EZ39(Elcom)	5086A
EZ47(Elcom)	5088A
EZ56(Elcom)	5090A
EZ62(Elcom)	149A
EZ68(Elcom)	5092A
EZ82(Elcom)	150A
EZ110(Elcom)	151A
EZ150	145A
EZR-0045	139A
EZT308	904
F0010	452
F0010(HEP)	312
F0015	312
F0015(HEP)	312
F0021	312
F0021(HEP)	312
F0082M	725
F04S060	5712
F-05	116
F018T060	5710
F018T080	5710
F018T120	5710
F025T060	5710
F025T080	5710
F025T0120	5710
F031(RadShk)	177
F040H060	5711
F040H080	5711
F040H120	5711
F040S120	5712
F040T060	5710
F040T080	5710
F040T120	5710
F045H060	5711
F045H080	5711
F045H120	5711
F045S060	5712
F045S080	5712
F045S120	5712
F045T060	5710
F045T080	5710
F045T120	5710
F046(RadShk)	177
F060(RadShk)	177
F060H060	5720
F060H080	5721
F060H120	5721
F060S060	5722
F060S080	5722
F060S120	5722
F060T060	5720
F060T080	5720
F060T120	5720
F084(RadShk)	177
F095D060	6230
F095D080	6230
F095D120	6230
F095H060	5721
F095H080	5721
F095H120	5721
F095S060	5722
F095S080	5722
F095S120	5722
F095T060	5720
F095T080	5720
F095T120	5720
F0R1B(GAK)	5402
F0R2D	5400
F1	116
F1R3D	5455
F1R3G	5457
F2	116
F3	116
F4	116
F4-005	725
F5	116
F5F1	3029A
F6	116
F6-2	355
F6-9	353
F6-16	354
F6-23	356
F6-30	352
F6G3R	6061
F8	125
F8(Transistor)	2825
F9L37CP	74LS37
F9LS21	74LS21
F9LS21CD	74LS21
F9LS21CP	74LS21
F9LS37	74LS37
F9LS37CD	74LS37
F9LS40	74LS40
F9LS40CD	74LS40
F9LS40CP	74LS40
F9LS54	74LS54
F9LS54CD	74LS54
F9LS54CP	74LS54
F9LS55	74LS55
F9LS55CD	74LS55
F9LS55CP	74LS55
F9LS90	74LS90
F9LS90CD	74LS90
F9LS90CP	74LS90
F9LS112	74LS112A
F9LS112CD	74LS112A
F9LS112CP	74LS112A
F9LS125	74LS125A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
F9LS125CD	74LS125A
F9LS125CP	74LS125A
F9LS132	74LS132
F9LS132CD	74LS132
F9LS132CP	74LS132
F9LS133	74LS133
F9LS133D	74LS133
F9LS133DC	74LS133
F9LS133P	74LS133
F9LS133PC	74LS133
F9LS139	74LS139
F9LS139CD	74LS139
F9LS139CP	74LS139
F9LS155	74LS155
F9LS155CD	74LS155
F9LS155CP	74LS155
F9LS160	74LS160A
F9LS160CD	74LS160A
F9LS160CP	74LS160A
F9LS162	74LS162A
F9LS162CD	74LS162A
F9LS162CP	74LS162A
F9LS170	74LS170
F9LS170CD	74LS170
F9LS170CP	74LS170
F9LS181	74LS181
F9LS181D	74LS181
F9LS181DC	74LS181
F9LS181P	74LS181
F9LS181PC	74LS181
F9LS190	74LS190
F9LS190CD	74LS190
F9LS190CP	74LS190
F9LS192	74LS192
F9LS192CD	74LS192
F9LS192CP	74LS192
F9LS194	74LS194A
F9LS194D	74LS194A
F9LS194DC	74LS194A
F9LS194P	74LS194A
F9LS194PC	74LS194A
F9LS258	74LS258
F9LS258CD	74LS258
F9LS258CP	74LS258
F9LS279	74LS279
F9LS279CD	74LS279
F9LS279CP	74LS279
F9LS295A	74LS295A
F9LS295AD	74LS295A
F9LS295ADC	74LS295A
F9LS295AP	74LS295A
F9LS295APC	74LS295A
F9LS366	74LS366A
F9LS366CD	74LS366A
F9LS366CP	74LS366A
F9LS368	74LS368
F9LS368CD	74LS368
F9LS368CP	74LS368
F9LS670	74LS670
F9LS670CD	74LS670
F9LS670CP	74LS670
F10	125
F11	239
F11(SCR)	5481
F11P(Quasar)	239
F11Q	239
F11Q(Quasar)	239
F12(SCR)	5482
F13(SCR)	5483
F14(SCR)	5483
F14a	116
F14A	116
F-14A	125
F14AP	125
F14A-P	116
F14B	125
F-14C	116
F14C	125
F14D	125
F14E	125
F14F	125
F14H	125
F14J	125
F15(SCR)	5485
F16(SCR)	5485
F16H1	137A
F16K3	2117
F16K3D	2117
F16K3DC	2117
F16K3P	2117
F16K3PC	2117
F16K4	2117
F16K4D	2117
F16K4DC	2117
F16K4P	2117
F16K4PC	2117
F16K5	2117
F16K5D	2117
F16K5DC	2117
F16K5P	2117
F16K5PC	2117
F17(SCR)	5485
F18(SCR)	5485
F19(SCR)	5487
F20(SCR)	5481
F20-1001	108
F20-1002	108
F20-1003	108
F20-1004	108
F20-1005	108
F20-1006	102A
F20-1007	102A
F20-1008	102A
F20-1009	102A
F20-1010	109
F20-1012	109
F20-1013	109
F20-1014	109
F20-1015	116
F20-1016	116
F21(SCR)	5501
F22(SCR)	5502
F23(SCR)	5504
F24(SCR)	5504
F24T-011-015	229
F24T-016-024	108
F25(SCR)	5507
F26(SCR)	5507
F27(SCR)	5507
F28(SCR)	5507
F29(SCR)	5509
F30(SCR)	5501
F31(SCR)	5541
F31A(SCR)	5541
F32	5522
F32(SCR)	5542
F32A(SCR)	5542
F33(SCR)	5543
F33A(SCR)	5543
F34	5524
F34(SCR)	5543
F34A(SCR)	5543
F35(SCR)	5545
F35A(SCR)	5545
F36	5527
F36(SCR)	5545
F36A(SCR)	5545
F37(SCR)	5545
F37A(SCR)	5545
F38(SCR)	5545
F38A(SCR)	5545
F39(SCR)	5547
F39A(SCR)	5547
F40(SCR)	5541
F40A(SCR)	5541
F55(SCR)	5521
F56(SCR)	5521
F57(SCR)	5522
F58(SCR)	5524
F59(SCR)	5524
F60(SCR)	5527
F61(SCR)	5527
F62(SCR)	5527
F63(SCR)	5501
F64(SCR)	5501
F65(SCR)	5502
F66(SCR)	5504
F67(SCR)	5504
F67F	121
F68(SCR)	5507
F69(SCR)	5507
F70(SCR)	5507
F71(SCR)	5521
F72(SCR)	5521
F73(SCR)	5522
F74(SCR)	5524
F74LS13	74LS13
F74LS13D	74LS13
F74LS13DC	74LS13
F74LS13P	74LS13
F74LS13PC	74LS13
F74LS15	74LS15
F74LS15D	74LS15
F74LS15DC	74LS15
F74LS15P	74LS15
F74LS15PC	74LS15
F74LS21	74LS21
F74LS21D	74LS21
F74LS21DC	74LS21
F74LS21P	74LS21
F74LS21PC	74LS21
F74LS22	74LS22
F74LS22D	74LS22
F74LS22DC	74LS22
F74LS22P	74LS22
F74LS22PC	74LS22
F74LS26	74LS26
F74LS26D	74LS26
F74LS26DC	74LS26
F74LS26P	74LS26
F74LS26PC	74LS26
F74LS28	74LS28
F74LS28D	74LS28
F74LS28DC	74LS28
F74LS28P	74LS28
F74LS28PC	74LS28
F74LS33	74LS33
F74LS33D	74LS33
F74LS33DC	74LS33
F74LS33P	74LS33
F74LS33PC	74LS33
F74LS37	74LS37
F74LS37D	74LS37
F74LS37DC	74LS37
F74LS37P	74LS37
F74LS37PC	74LS37
F74LS40	74LS40
F74LS40D	74LS40
F74LS40DC	74LS40
F74LS40P	74LS40
F74LS40PC	74LS40
F74LS49P	74LS49
F74LS54	74LS54
F74LS54D	74LS54
F74LS54DC	74LS54
F74LS54P	74LS54
F74LS54PC	74LS54
F74LS55	74LS55
F74LS55D	74LS55
F74LS55DC	74LS55
F74LS55P	74LS55
F74LS55PC	74LS55
F74LS76	74LS76A
F74LS76D	74LS76A
F74LS76DC	74LS76A
F74LS76P	74LS76A
F74LS76PC	74LS76A
F74LS90	74LS90
F74LS90D	74LS90
F74LS90DC	74LS90
F74LS90P	74LS90
F74LS90PC	74LS90
F74LS95B	74LS95B
F74LS95BD	74LS95B
F74LS95BDC	74LS95B
F74LS95BP	74LS95B
F74LS95BPC	74LS95B
F74LS112	74LS112A
F74LS112D	74LS112A
F74LS112DC	74LS112A
F74LS112P	74LS112A
F74LS112PC	74LS112A
F74LS125	74LS125A
F74LS125D	74LS125A
F74LS125DC	74LS125A
F74LS125P	74LS125A
F74LS125PC	74LS125A
F74LS132	74LS132
F74LS132D	74LS132
F74LS132DC	74LS132
F74LS132P	74LS132
F74LS132PC	74LS132
F74LS133	74LS133
F74LS133D	74LS133
F74LS133DC	74LS133
F74LS133P	74LS133
F74LS133PC	74LS133
F74LS139	74LS139
F74LS139D	74LS139
F74LS139DC	74LS139
F74LS139P	74LS139
F74LS139PC	74LS139
F74LS145	74LS145
F74LS145D	74LS145
F74LS145DC	74LS145
F74LS145P	74LS145
F74LS155	74LS155
F74LS155D	74LS155
F74LS155DC	74LS155
F74LS155P	74LS155
F74LS155PC	74LS155
F74LS160	74LS160A
F74LS160D	74LS160A
F74LS160DC	74LS160A
F74LS160P	74LS160A
F74LS160PC	74LS160A
F74LS162	74LS162A
F74LS162D	74LS162A
F74LS162DC	74LS162A
F74LS162P	74LS162A
F74LS162PC	74LS162A
F74LS165	74LS165
F74LS165D	74LS165
F74LS165DC	74LS165
F74LS165P	74LS165
F74LS165PC	74LS165
F74LS168	74LS168A
F74LS168D	74LS168A
F74LS168DC	74LS168A
F74LS168P	74LS168A
F74LS168PC	74LS168A
F74LS169	74LS169A
F74LS169D	74LS169A
F74LS169DC	74LS169A
F74LS169P	74LS169A
F74LS169PC	74LS169A
F74LS170	74LS170
F74LS170D	74LS170
F74LS170DC	74LS170
F74LS170P	74LS170
F74LS170PC	74LS170
F74LS181	74LS181
F74LS181D	74LS181
F74LS181DC	74LS181
F74LS181P	74LS181
F74LS181PC	74LS181
F74LS190	74LS190
F74LS190D	74LS190
F74LS190DC	74LS190
F74LS190P	74LS190
F74LS190PC	74LS190
F74LS192	74LS192
F74LS192D	74LS192
F74LS192DC	74LS192
F74LS192P	74LS192
F74LS192PC	74LS192
F74LS194A	74LS194A
F74LS194AD	74LS194A
F74LS194ADC	74LS194A
F74LS194AP	74LS194A
F74LS194APC	74LS194A
F74LS245	74LS245
F74LS245DC	74LS245
F74LS245PC	74LS245
F74LS248P	74LS248
F74LS249P	74LS249
F74LS251	74LS251
F74LS251DC	74LS251
F74LS251PC	74LS251
F74LS258	74LS258
F74LS258D	74LS258
F74LS258DC	74LS258
F74LS258P	74LS258
F74LS258PC	74LS258
F74LS260	74LS260
F74LS260D	74LS260
F74LS260DC	74LS260
F74LS260P	74LS260
F74LS260PC	74LS260
F74LS279	74LS279
F74LS279D	74LS279
F74LS279DC	74LS279
F74LS279P	74LS279
F74LS279PC	74LS279
F74LS295A	74LS295A
F74LS295AD	74LS295A
F74LS295ADC	74LS295A
F74LS295AP	74LS295A
F74LS295APC	74LS295A
F74LS299	74LS299
F74LS299D	74LS299
F74LS299DC	74LS299
F74LS299P	74LS299
F74LS299PC	74LS299
F74LS352	74LS352
F74LS352D	74LS352
F74LS352DC	74LS352
F74LS352P	74LS352
F74LS352PC	74LS352
F74LS353	74LS353
F74LS353D	74LS353
F74LS353DC	74LS353
F74LS353P	74LS353
F74LS353PC	74LS353
F74LS366	74LS366A
F74LS366D	74LS366A
F74LS366DC	74LS366A
F74LS366P	74LS366A
F74LS366PC	74LS366A
F74LS368	74LS368
F74LS368D	74LS368
F74LS368DC	74LS368
F74LS368P	74LS368
F74LS368PC	74LS366A
F74LS373	74LS373
F74LS373D	74LS373
F74LS373DC	74LS373
F74LS373P	74LS373
F74LS373PC	74LS373
F74LS378	74LS378
F74LS378D	74LS378
F74LS378DC	74LS378
F74LS378P	74LS378
F74LS378PC	74LS378
F74LS379	74LS379
F74LS379D	74LS379
F74LS379DC	74LS379
F74LS379P	74LS379
F74LS379PC	74LS379
F74LS390	74LS390
F74LS390D	74LS390
F74LS390DC	74LS390
F74LS390P	74LS390
F74LS390PC	74LS390
F74LS393	74LS393
F74LS393D	74LS393
F74LS393DC	74LS393
F74LS393P	74LS393
F74LS393PC	74LS393
F74LS395	74LS395A
F74LS395D	74LS395A
F74LS395DC	74LS395A
F74LS395P	74LS395A
F74LS395PC	74LS395A
F74LS490	74LS490
F74LS490D	74LS490
F74LS490DC	74LS490
F74LS490P	74LS490
F74LS490PC	74LS490
F74LS540	74LS540
F74LS540D	74LS540
F74LS540DC	74LS540
F74LS540P	74LS540
F74LS540PC	74LS540
F74LS541	74LS541
F74LS541D	74LS541
F74LS541DC	74LS541
F74LS541P	74LS541
F74LS541PC	74LS541
F74LS670	74LS670
F74LS670D	74LS670
F74LS670DC	74LS670
F74LS670P	74LS670
F74LS670PC	74LS670
F74S138PC	74S138
F75(SCR)	5524
F76(SCR)	5527
F77(SCR)	5527
F78(SCR)	5501
F78L05AC	977
F78L05AV	977
F78L05AWC	977
F78L06	988
F78L06AC	988
F78L06C	988
F78L062AC	988
F78L62AC	988
F78L62AWC	988
F78L62WV	988
F79(SCR)	5502
F80(SCR)	5504
F81(SCR)	5507
F82(SCR)	5507
F83(SCR)	5509
F84(SCR)	5541
F84A(SCR)	5541
F85(SCR)	5542
F85A(SCR)	5542
F86(SCR)	5543
F86A(SCR)	5543
F87(SCR)	5545
F87A(SCR)	5545
F88(SCR)	5545
F88-9779F	736
F88A(SCR)	5545
F89(SCR)	5547
F89A(SCR)	5547
F96N	108
F98(SCR)	5524
F99(SCR)	5527
F100(SCR)	5483
F101(SCR)	5401
F102(SCR)	5402
F102A(SCR)	5402
F103(SCR)	5404
F104(SCR)	5404
F105(SCR)	5405
F106(SCR)	5405
F107(SCR)	5405
F108(SCR)	5405
F109(SCR)	5406
F110(SCR)	5406
F114E	552
F121-433804	123A
F131(SCR)	5541
F132(SCR)	5541
F133(SCR)	5542
F134(SCR)	5543
F135(SCR)	5543
F136	109
F136(SCR)	5545
F137(SCR)	5545
F138(SCR)	5547
F139(SCR)	5529
F140(SCR)	5501
F141(SCR)	5501
F142(SCR)	5502
F143(SCR)	5504
F144(SCR)	5504
F145(SCR)	5507
F146(SCR)	5507
F147(SCR)	5507
F148(SCR)	5509
F149(SCR)	5529
F161-249-1001	949
F200(SCR)	5487
F201(SCR)	5487
F205(SCR)	5509
F206(SCR)	5529
F207(SCR)	5531
F208(SCR)	5531
F209	159
F210(SCR)	5547
F210A(SCR)	5547
F211	5547
F211(SCR)	5547
F211A	5547
F211A(SCR)	5547
F215(SCR)	5529
F215-1001	108
F215-1002	108
F215-1003	108
F215-1004	108
F215-1005	108
F215-1006	102A
F215-1007	102A
F215-1008	102A
F215-1009	102A
F215-1010	109
F215-1012	109
F215-1013	109
F215-1014	109
F215-1016	116
F215-1017	116
F216(SCR)	5529
F217(SCR)	5547
F218(SCR)	5547
F221(SCR)	5481
F222	123A
F222(SCR)	5481
F223(SCR)	5482
F224(SCR)	5483
F225(SCR)	5483
F226(SCR)	5485
F227(SCR)	5485
F228(SCR)	5487
F229(SCR)	5404
F230(SCR)	5521
F231(SCR)	5521
F232(SCR)	5522
F233(SCR)	5524
F234(SCR)	5524
F235(SCR)	5527
F236(SCR)	5527
F237(SCR)	5527
F238(SCR)	5541
F239(SCR)	5541
F240(SCR)	5542
F241(SCR)	5543
F242(SCR)	5543
F243(SCR)	5545
F244(SCR)	5545
F245(SCR)	5545
F248	314
F248A	314
F250(SCR)	5481
F251(SCR)	5481
F252(SCR)	5482
F253(SCR)	5483
F254(SCR)	5483
F255(SCR)	5485
F256(SCR)	5485
F257(SCR)	5485
F258(SCR)	5485
F259(SCR)	5487
F260(SCR)	5481
F261(SCR)	5481
F262(SCR)	5482
F263(SCR)	5483
F264(SCR)	5483
F265(SCR)	5485
F266	5485
F266(SCR)	5485
F267	5485
F267(SCR)	5485
F268	5485
F268(SCR)	5485
F269(SCR)	5487
F280(SCR)	5521
F281(SCR)	5521
F282(SCR)	5522
F283(SCR)	5524
F284(SCR)	5524
F285(SCR)	5527
F286(SCR)	5527
F287(SCR)	5527
F288(SCR)	5527
F289(SCR)	5529
F290(SCR)	5541
F291(SCR)	5541
F292(SCR)	5542
F293(SCR)	5543
F294(SCR)	5543
F295(SCR)	5545
F295-02(Zenith)	177
F295-03(Zenith)	552
F296(SCR)	5545
F297(SCR)	5545
F298(SCR)	5545
F299(SCR)	5547
F302-1	123A
F302-2	123A
F302-1532	123A
F302-2532	123A
F306-001	123A
F306-022	123A
F318-1	128
F321A(SCR)	5481
F322A(SCR)	5481
F323A(SCR)	5482
F324(Europe)	395
F324A(SCR)	5483
F325A(SCR)	5483
F326A(SCR)	5485
F327A(SCR)	5485
F328A(SCR)	5485
F329A(SCR)	5487
F330A(SCR)	5487
F366	123A
F380(SCR)	5491
F381(SCR)	5491
F382(SCR)	5492
F382A(SCR)	5492
F383(SCR)	5494
F383A(SCR)	5494
F384(SCR)	5494
F384A(SCR)	5494
F385(SCR)	5496
F385A(SCR)	5496
F386(SCR)	5496
F388	5547 ◆
F388(SCR)	5547
F388A(SCR)	5547
F422(Europe)	399
F431(SCR)	5529
F432(SCR)	5529
F433(SCR)	5545
F434(SCR)	5531
F438(SCR)	5531
F439(SCR)	5531
F442-41	725
F501	161
F501(ZENITH)	161
F501(SCR)	5504
F501-16	161
F502	161
F502(SCR)	5507
F502(ZENITH)	161
F503(SCR)	5507
F504(SCR)	5509
F505(SCR)	5501
F506(SCR)	5502
F507(SCR)	5504
F508(SCR)	5507
F509(SCR)	5507
F521(SCR)	5401
F522(SCR)	5402
F523	161
F523(SCR)	5404
F524(SCR)	5405
F525(SCR)	5405
F526(SCR)	5406
F527(SCR)	5406
F531	123A
F545(SCR)	5482
F546(SCR)	5483
F547(SCR)	5487
F549-1	159
F567	5492
F572(SCR)	5404
F572-1	123A
F585-34	263
F587	123A
F609	5514
F610(Varactor)	614
F610(Rectifier)	5515
F611	5515
F612	5589 ◆
F613(SCR)	5504
F614(SCR)	5507
F615(SCR)	5507
F616(SCR)	5509
F617	5589 ◆
F618(SCR)	5543
F619(SCR)	5545
F620(SCR)	5545
F622	5589 ◆
F623	5517
F624	5518
F625	5518
F625-1	128
F627	5543
F628	5545
F629	5545
F630	5547
F631	5547
F632	5587 ◆
F633	5587 ◆
F634	5587 ◆
F635	5587 ◆
F636	5587 ◆
F649	5589 ◆
F650	5589 ◆
F651	5589 ◆
F656(SCR)	5402
F656(GAK)	5401
F657(SCR)	5402
F657(GAK)	5402
F658(GAK)	5404
F658(SCR)	5404
F659(GAK)	5405
F664S	5402
F665(SCR)	5481
F666(SCR)	5482
F667(SCR)	5483
F668(SCR)	5485
F674S	5402
F676S	5402
F699	159
F733DC	927D
F733HC	927
F733PC	927D
F752(SCR)	5524
F753(SCR)	5527
F754(SCR)	5527
F755(SCR)	5529
F756(SCR)	5529
F757PC	722
F767PC	722
F822	108
F903-10G	5312
F903-11G	5312
F903-12G	5313
F903-13G	5314
F903-14G	5314
F903-15G	5315
F903-16G	5315
F903-18G	5316
F903-20G	5312
F903-21G	5312
F903-22G	5313
F903-23G	5314
F903-24G	5314
F903-25G	5315
F903-26G	5315
F903-28G	5316
F903-40G	5312
F903-41G	5312
F903-42G	5313
F903-43G	5314
F903-44G	5314
F903-45G	5315
F903-46G	5315
F903-48G	5316
F903B-10	5312
F903B-10/20	166
F903B-10G	166
F903B-11	5312
F903B-11/21	166
F903B-11G	166
F903B-12	5313
F903B-12/22	167
F903B-12G	167
F903B-13G	168
F903B-14	5314
F903B-14/24	168
F903B-14G	168
F903B-15G	169
F903B-16	5315
F903B-16/26	169
F903B-16G	169
F903B-18	5316
F903B-18/28	170
F903B-18G	170
F903B-20	5312
F903B-20G	166
F903B-21	5312
F903B-21G	166
F903B-22	5313
F903B-22G	167
F903B-23G	168
F903B-24	5314
F903B-24G	168
F903B-26	5315
F903B-26G	169
F903B-28	5316
F903B-28G	170
F903B-100/200	170
F903C-10G	166
F903C-11G	166
F903C-12G	167
F903C-13G	168
F903C-14G	168
F903C-15G	169
F903C-16G	169
F903C-18G	170
F903C-20G	166
F903C-21G	166
F903C-22G	167
F903C-23G	168
F903C24G	168
F903C-25G	169
F903C-26G	169

Fairchild "F" branded with part nbr is often mistaken as part of the nbr. Try locating nbr elsewhere by omitting "F".

Ex: FPN3645 - Not Found
PN3645 = ECG159

To Be Replaced	ECG Replacement
F903C-28G	170
F941(SCR)	5454
F942(SCR)	5455
F944(GAK)	5402
F945(GAK)	5404
F946(KAG)	5402
F947(KAG)	5404
F948(KAG)	5405
F949(KAG)	5405
F954	5570◆
F955	5572◆
F956	5572◆
F957	5572◆
F958	5572◆
F959	5574◆
F960	5574◆
F978	5584◆
F979	5584◆
F980	5584◆
F981	5584◆
F982	5584◆
F983	5584◆
F988	5580◆
F989	5582◆
F990	5582◆
F991	5582◆
F992	5582◆
F993	5584◆
F994	5584◆
F1035	326
F1035(HEP)	326
F1036	460
F1082	5570◆
F1083	5572◆
F1084	5572◆
F1085	5572◆
F1086	5572◆
F1087	5574◆
F1088	5574◆
F1089(SCR)	5483
F1090(SCR)	5485
F1091(SCR)	5485
F1092(SCR)	5487
F1093	5584◆
F1094	5472
F1095	5474
F1096	5474
F1097	5476
F1098	5584◆
F1099	5454
F1099(SCR)	5454
F1100	5455
F1100(SCR)	5455
F1101	5580◆
F1102	5582◆
F1103	5582◆
F1104	5582◆
F1105	5582◆
F1106	5584◆
F1107	5584◆
F1108	5584◆
F1109	5584◆
F1110(SCR)	5401
F1110(GAK)	5401
F1111(GAK)	5402
F1112(GAK)	5404
F1112(SCR)	5404
F1113(GAK)	5405
F1114(GAK)	5405
F1139	5457
F1139(SCR)	5457
F1140	5457
F1140(SCR)	5457
F1142	5587
F1143	5587
F1144	5587
F1145	5587
F1146	5587
F1147	5589
F1148	5589
F1149	5589
F1168A	230
F1169	5402
F1170	5404
F1171	5405
F1172	5405
F1177(SCR)	5402
F1178(SCR)	5404
F1179	5548◆
F1180	5548◆
F1271	5400
F1422	230
F1422A	230
F1422B	230
F1422C	230
F1422D	230
F1427-100	5454
F1427-200	5455
F1427-300	5457
F1428-200	5463
F1428-400	5465
F1462	312
F1463	312
F1659C	123AP
F1826-0044	725
F2004	454
F2004(HEP)	221
F2005	220
F2005(HEP)	220
F2007(HEP)	222
F2102F	2102
F2102FC	2102
F2102FDC	2102
F2102FPC	2102
F2114-3	2114
F2114C-3	2114
F2114DC-3	2114
F2114PC-3	2114
F2427	108
F2443	123A
F2448	123A
F2450	108
F2560-1	729
F2561	312
F2584	123A
F2629	312
F2633	108
F2634	108
F2636	108
F2708D	2708
F2716D	2716
F2732	2732
F2732D	2732
F3519	123A
F3528(RAM)	2128
F3528DC-25	2128
F3528DC-35	2128
F3528PC-25	2128
F3528PC-35	2128
F3530	108
F3532	123A
F3535	161
F3539-2DC	3539
F3539-2PC	3539
F3539CN	3539
F3539DC	3539
F3539PC	3539
F3549	129
F3559	159
F3560	128
F3561	128
F3565	128
F3569	123A
F3570	159
F3571	123A
F3574	161
F3589	128
F3590	159
F3597	159
F4000PC	4000
F4001B	4001B
F4001BDC	4001B
F4001BPC	4001B
F4001PC	4001B
F4002BDC	4002B
F4002BPC	4002B
F4002PC	4002B
F4006	4006B
F4006B	4006B
F4006BC	4006B
F4006BDC	4006B
F4006BPC	4006B
F4007UB	4007
F4007UBPC	4007
F4008	4008B
F4008B	4008B
F4008BDC	4008B
F4008BPC	4008B
F4011	4011B
F4011B	4011B
F4011BDC	4011B
F4011BPC	4011B
F4011PC	4011B
F4012B	4012B
F4012BDC	4012B
F4012BPC	4012B
F4012PC	4012B
F4013	4013B
F4013B	4013B
F4013BDC	4013B
F4013BPC	4013B
F4013PC	4013B
F4014	4014B
F4014B	4014B
F4014BDC	4014B
F4014BPC	4014B
F4014PC	4014B
F4015	4015B
F4015B	4015B
F4015BDC	4015B
F4015BPC	4015B
F4015PC	4015B
F4016	4016B
F4016B	4016B
F4016BDC	4016B
F4016BPC	4016B
F4016PC	4016B
F4017	4017B
F4017B	4017B
F4017BDC	4017B
F4017BPC	4017B
F4017PC	4017B
F4018	4018B
F4018B	4018B
F4018BDC	4018B
F4018BPC	4018B
F4019	4019B
F4019B	4019B
F4019BDC	4019B
F4019BPC	4019B
F4019PC	4019B
F4020	4020B
F4020B	4020B
F4020BDC	4020B
F4020BPC	4020B
F4020PC	4020B
F4021	4021B
F4021B	4021B
F4021BDC	4021B
F4021BPC	4021B
F4021DC	4021B
F4021PC	4021B
F4022	4022B
F4022B	4022B
F4022BDC	4022B
F4022BPC	4022B
F4023B	4023B
F4023BDC	4023B
F4023BPC	4023B
F4023PC	4023B
F4024B	4024B
F4024BDC	4024B
F4024BPC	4024B
F4024PC	4024B
F4025B	4025B
F4025BDC	4025B
F4025BPC	4025B
F4025PC	4025B
F4027B	4027B
F4027BDC	4027B
F4027BPC	4027B
F4027PC	4027B
F4028B	4028B
F4028BDC	4028B
F4028BPC	4028B
F4028PC	4028B
F4029	4029B
F4029B	4029B
F4029BDC	4029B
F4029BPC	4029B
F4029PC	4029B
F4030B	4030B
F4030BDC	4030B
F4030BPC	4030B
F4030PC	4030B
F4031B	4031B
F4031BDC	4031B
F4031BPC	4031B
F4034	4034B
F4034B	4034B
F4034BDC	4034B
F4034BPC	4034B
F4035	4035B
F4035B	4035B
F4035BDC	4035B
F4035BPC	4035B
F4040B	4040B
F4040BDC	4040B
F4040BPC	4040B
F4040PC	4040B
F4041BDC	4041
F4041BPC	4041
F4042B	4042B
F4042BDC	4042B
F4042BPC	4042B
F4042DC	4042B
F4042PC	4042B
F4043	4043B
F4043B	4043B
F4043BDC	4043B
F4043BPC	4043B
F4044	4044B
F4044B	4044B
F4044BDC	4044B
F4044BPC	4044B
F4045B	4045B
F4045BDC	4045B
F4045BPC	4045B
F4046	980
F4046B	4046B
F4046BDC	4046B
F4046BPC	4046B
F4047BDC	4047B
F4047BPC	4047B
F4049B	4049
F4049BDC	4049
F4049BPC	4049
F4049PC	4049
F4050B	4050B
F4050BDC	4050B
F4050BPC	4050B
F4050PC	4050B
F4051B	4051B
F4051BDC	4051B
F4051BPC	4051B
F4051PC	4051B
F4052B	4052B
F4052BPC	4052B
F4053B	4053B
F4053BDC	4053B
F4053BPC	4053B
F4055B	4055B
F4055BDC	4055B
F4055BPC	4055B
F4055PC	4055B
F4066	4066B
F4066B	4066B
F4066BDC	4066B
F4066BPC	4066B
F4067B	4067B
F4067BDC	4067B
F4067BPC	4067B
F4068B	4068B
F4068BDC	4068B
F4068BPC	4068B
F4068PC	4068B
F4069DC	4069
F4069PC	4069
F4070BDC	4070B
F4070BPC	4070B
F4071B	4071B
F4071BDC	4071B
F4071BPC	4071B
F4071PC	4071B
F4072	4072B
F4072B	4072B
F4072BDC	4072B
F4072BPC	4072B
F4073	4073B
F4073B	4073B
F4073BDC	4073B
F4073BPC	4073B
F4075	4075B
F4075B	4075B
F4075BDC	4075B
F4075BPC	4075B
F4076	4076B
F4076B	4076B
F4076BDC	4076B
F4076BPC	4076B
F4077B	4077B
F4077BDC	4077B
F4077BPC	4077B
F4077PC	4077B
F4078B	4078B
F4078BDC	4078B
F4078PC	4078B
F4081B	4081B
F4081BDC	4081B
F4081BPC	4081B
F4081PC	4081B
F4082	4082B
F4082B	4082B
F4082BDC	4082B
F4082BPC	4082B
F4085B	4085B
F4085BDC	4085B
F4085BPC	4085B
F4085PC	4085B
F4086B	4086B
F4086BDC	4086B
F4086BPC	4086B
F4086PC	4086B
F4093DC	4093B
F4093PC	4093B
F4099B	4099B
F4099BDC	4099B
F4099BPC	4099B
F4099PC	4099B
F4117-1	949
F4470-13	128
F4510	4510B
F4510B	4510B
F4510BDC	4510B
F4510BPC	4510B
F4511	4511B
F4511BDC	4511B
F4511BPC	4511B
F4511DC	4511B
F4511PC	4511B
F4512	4512B
F4512B	4512B
F4512BDC	4512B
F4512BPC	4512B
F4512DC	4512B
F4512PC	4512B
F4514	4514B
F4514B	4514B
F4514BDC	4514B
F4514BPC	4514B
F4515	4515B
F4515B	4515B
F4515BDC	4515B
F4515BPC	4515B
F4516	4516B
F4516B	4516B
F4516BDC	4516B
F4516BPC	4516B
F4518B	4518B
F4518BDC	4518B
F4518BPC	4518B
F4518PC	4518B
F4520B	4520B
F4520BDC	4520B
F4520BPC	4520B
F4520PC	4520B
F4521B	4521B
F4521BDC	4521B
F4521BPC	4521B
F4522B	4522B
F4522BDC	4522B
F4522BPC	4522B
F4522PC	4522B
F4526B	4526B
F4526BDC	4526B
F4526BPC	4526B
F4527B	4527B
F4527BDC	4527B
F4527BPC	4527B
F4527PC	4527B
F4528BDC	4528B
F4528BPC	4528B
F4531BDC	4531B
F4531BPC	4531B
F4532B	4532B
F4532BDC	4532B
F4532BPC	4532B
F4539B	4539B
F4539BDC	4539B
F4539BPC	4539B
F4539PC	4539B
F4555B	4555B
F4555BDC	4555B
F4555BPC	4555B
F4555PC	4555B
F4556B	4556B
F4556BDC	4556B
F4556BPC	4556B
F4583B	4583B
F4583BDC	4583B
F4583BPC	4583B
F4706	108
F4709	128
F4846-1	949
F5404DM	7404
F5885PC	6885
F5886PC	6886
F5887PC	6887
F5888PC	6888
F6800	6800
F6800C	6800
F6800CP	6800
F6802	6802
F6802C	6802
F6802CP	6802
F6809	6809
F6809E	6809
F6809EP	6809E
F6809P	6809
F6810	6810
F6810C	6810
F6810CP	6810
F6821	6821
F6821C	6821
F6821CP	6821
F6821P	6821
F6850	6850
F6850C	6850
F6850CP	6850
F6850P	6850
F7408PC	7408
F-7408PC	7408
F7417PC	7417
F-7417PC	7417
F7430PC	7430
F7474PC	7474
F7493APC	7493A
F8114	5527
F9003DC	7410
F-9003DC	7410
F9014D	123AP
F9301	8301
F9301DC	8301
F9301PC	8301
F9309	8309
F9309DC	8309
F9309PC	8309
F-9311	74154
F9311	74154
F9316PC	74161
F9328	8328
F9328DC	8328
F9328PC	8328
F9370	8370
F9370DC	8370
F9370PC	8370
F9600	123A
F9623	123A
F9623(G.E.)	108
F9625	108
F10124	116
F10148	116
F10180	116
F11034	125
F15810	108
F15835	108
F15840	123A
F15840-1	123A
F15841	108
F20303	109
F21021	2102
F21021C	2102
F21021DC	2102
F21021PC	2102
F21022	2102
F21022C	2102
F21022DC	2102
F21022PC	2102
F21490	159
F34046	4046B
F34046DC	4046B
F34046PC	4046B
F34046PCD	4046B
F35392DC	3539
F35392PC	3539
F40085B	40085B
F40085BDC	40085B
F40085BPC	40085B
F40097	80C97
F40097B	40097B
F40097BDC	40097B
F40097BPC	40097B
F40097DC	80C97
F40097PC	80C97
F40098B	40098B
F40098BDC	40098B
F40098BPC	40098B
F40160B	40160B
F40160BDC	40160B
F40160BPC	40160B
F40161B	40161B
F40161BDC	40161B
F40161BPC	40161B
F40162B	40162B
F40162BDC	40162B
F40162BPC	40162B
F40163B	40163B
F40163BDC	40163B
F40163BPC	40163B
F40174B	40174B
F40174BDC	40174B
F40174BPC	40174B
F40175B	40175B
F40175BDC	40175B
F40175BPC	40175B
F40182	40182B
F40182B	40182B
F40192B	40192B
F40192BDC	40192B
F40192BPC	40192B
F40193B	40193B
F40193BDC	40193B
F40193BPC	40193B
F40194B	40194B
F40194BDC	40194B
F40194BPC	40194B
F40194PC	40194B
F40195B	40195B
F40195BDC	40195B
F40195BPC	40195B
F40273	2104
F40273C	2104
F40273CD	2104
F40273CP	2104
F40274	2104
F40274C	2104
F40274CD	2104
F40274CP	2104
F40275	2104
F40275C	2104
F40275CD	2104
F40275CP	2104
F73216	160
F-74125P	74125
F-74125PC	74125
F74154PC	74154
F74155PC	74155
F74157	74157
F74157DC	74157
F74157PC	74157
F-74164PC	74164
F74173	74173
F74173DC	74173
F74173PC	74173
F-74174PC	74174
F74174PC	74174
F-74175PC	74175
F74290	74290
F74290DC	74290
F74290PC	74290
F74293	74293
F74293DC	74293
F74293PC	74293
F75116	123A
F75450	75450B
F75450APC	75450B
F75450BPC	75450B
F75451	75451B
F75451ATC	75451B
F75451BTC	75451B
F75452	75452B
F75452ATC	75452B
F75452BTC	75452B
F75453	75453B
F75453ATC	75453B
F75453BTC	75453B
F75454	75454B
F75454ATC	75454B
F75454BTC	75454B
F93150PM	74150
F93417	74S387
F93417A	74S387
F93417AD	74S387
F93417ADC	74S387
F93417AP	74S387
F93417APC	74S387
F93417D	74S387
F93417DC	74S387
F93417P	74S387
F93417PC	74S387
F93427A	74S287
F93427AD	74S287
F93427ADC	74S287
F93427AP	74S287
F93427APC	74S287
F93427D	74S287
F93427DC	74S287
F93427P	74S287
F93427PC	74S287
F93436	74S570
F93436D	74S570
F93436DC	74S570
F93436P	74S570
F93436PC	74S570
F93438	74S475
F93438D	74S475
F93438DC	74S475
F93438P	74S475
F93438PC	74S475
F93446	74S571
F93446D	74S571
F93446DC	74S571
F93446P	74S571
F93446PC	74S571
F93448	74S474
F93448D	74S474
F93448DC	74S474
F93448P	74S474
F93448PC	74S474
F93450	74S479
F93450D	74S479
F93450DC	74S479
F93450P	74S479
F93450PC	74S479
F93451	74S478
F93451D	74S478
F93451DC	74S478
F93451P	74S478
F93451PC	74S478
F93452	74S572
F93452D	74S572
F93452DC	74S572
F93452P	74S572
F93452PC	74S572
F93453	74S573
F93453D	74S573
F93453DC	74S573
F93453P	74S573
F93453PC	74S573
F93515D	74S454
F93515DC	74S454
F93515P	74S454
F93515PC	74S454
F115328	123A
F136555	725
F889779F	736
F960159	9601
FA-1(Diode)	109
FA-1(IC)	1236
FA-1(Transistor)	175
FA-1(Sears)	123A
FA-2	614
FA4	116
FA6	116
FA8	125
FA111	177
FA733CK	927
FA733CN	927D
FA-6008T	1041
FA8005	141A
FA8006	141A
FA8007	141A
FA8008	141A
FA8009	145A
FA8010	145A
FA8011	145A
FA8012	145A
FB05	166
FB30G(Diode)	580
FB100	166
FB100-815	77
FB151M	5304
FB152M	5304
FB153M	5304
FB154M	5304
FB155M	5305
FB156M	5306
FB157M	5307
FB-200	168
FB200	168
FB301	5312
FB302	5312
FB303	5313
FB304	5314
FB305	5315
FB306	5316
FB307	5317
FB400	168
FB401	160
FB402	160
FB403	160
FB420	102A
FB421	102A
FB440	160
FB600	169
FB800	170
FB1000	170
FB1001	5322
FB1001L	5312
FB1002	5322
FB1002L	5313
FB1004	5324
FB1004L	5314
FB1006	5326
FB1006L	5315
FB1043	109
FB2500	5322
FB2501	5322
FB2502	5322
FB2504	5324
FB2506	5326
FB3500	5340
FB3501	5340
FB3502	5340
FB6853	123A
FB8056	129P
FB8550	129P
FBC237	123A
FBL00121	6074
FBL00122	6074
FBL00123	6074
FBN-2N1183	176
FBN-35469	175
FBN-35903	175
FBN-36220	130
FBN-36485	130
FBN-36486	175
FBN36487	284
FBN-36488	175

Fairchild "F" branded with part nbr is often mistaken as part of the nbr. Try locating nbr elsewhere by omitting "F".

Ex: FPN3645 - Not Found PN3645 = ECG159

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
FBN-36603	130
FBN-36972	181
FBN-36973	181
FBN-37605	124
FBN-38021	124
FBN-38022	181
FBN-38982	124
FBN-CP2293	102
FBN-CP34634	128
FBN-CP34759	176
FBN-L101	128
FBN-L103	129
FBN-L108	124
FBN-L109	128
FBN-L113	128
FBN-L115	128
FBN-L148	128
FBP-00-024	5547
FBPC601	5312
FBPC602	5312
FBPC603	5313
FBPC604	5314
FBPC605	5315
FBPC606	5316
FBPC607	5317
FBT00045	923
FBT00047	1916
FBT00048	1919
FBT00071	923
FBT-00-015	912
FBT00131	1920
FBTX070	128
FC52	614
FC-52	614
FC-52M	614
FC55	611
FC56	616
FC57	616
FC74LS93	74LS93
FC81	613
FC82	610
FC5006	108
FC8092CN	8092
FC8123CN	8123
FC8219CN	8219
FC8223CN	8223§
FC8520CN	8520
FC8542CN	8542
FC8546CN	8546
FC8550	294
FC8552CN	8552
FC8553CN	8553
FC8554CN	8554
FC8555CN	8555
FC8556CN	8556
FC8613CN	8613
FC8853CN	8853
FC9015	159
FCD0003PC	177
FCD0014NCS	177
FCD0070ANC	614
FCD810	3040
FCD810A	3040
FCD810B	3040
FCD810C	3040
FCD810D	3040
FCD820	3040
FCD820A	3040
FCD820B	3040
FCD820C	3040
FCD820D	3040
FCD825	3041
FCD825A	3041
FCD825B	3041
FCD825C	3041
FCD825D	3041
FCD830	3040
FCD830A	3040
FCD830B	3040
FCD830C	3040
FCD830D	3040
FCD831	3040
FCD831A	3040
FCD831B	3040
FCD831C	3040
FCD831D	3040
FCD836	3040
FCD836C	3040
FCD836D	3040
FCD850	3084
FCD850C	3084
FCD850D	3084
FCD855	3083
FCD855C	3083
FCD860	3084
FCD860C	3084
FCD860D	3084
FCD865	3084
FCD865C	3084
FCD865D	3084
FCD880	3086
FCD885	3086
FCD8550D	3083
FCS1168E	108
FCS1168E641	108
FCS1168F813	123A
FCS1168G	123A
FCS1168G704	123A
FCS1170F	159
FCS1225E	108
FCS1227E	108
FCS1227E814	108
FCS1227F	108
FCS1227F743	108
FCS1227G	108
FCS1227G810	108
FCS1229	128
FCS1229F	123A
FCS1229G	123A
FCS1676BL	128
FCS1677LC	129
FCS1795D	129
FCS3716	284
FCS8050C	289A
FCS8550	290A
FCS8550C	290A
FCS9011	289A
FCS9011A	123AP
FCS9011D	289A
FCS9011E	85
FCS9011F	85
FCS9011G	85
FCS9011H	85
FCS9011I	289A
FCS9012	290A
FCS9012D	290A
FCS9012E	290A
FCS9012F	290A
FCS-9012F	159
FCS-9012G	159
FCS9012G	290A
FCS9012H	290A
FCS9012HE	159
FCS9012HG	159
FCS-9012-HH	159
FCS9012I	290A
FCS9013	85
FCS9013C	85
FCS-9013F	123AP
FCS9013F	85
FCS-9013G	123AP
FCS9013G	85
FCS9013H	85
FCS9013HG	123AP
FCS9013HH	123AP
FCS9014(EBC)	199
FCS9014A(EBC)	199
FCS9014B(EBC)	199
FCS9014C	199
FCS9014C(EBC)	199
FCS9014D(EBC)	123AP
FCS9015	159
FCS9015B	159
FCS9015C	159
FCS9015D	159
FCS9016	108
FCS9016D	108
FCS9016E	108
FCS9016F	108
FCS9016G	108
FCS9016H	108
FCS9016I	108
FCS9018	108
FCS9018D	108
FCS9018E	108
FCS9018F	108
FCS9018G	108
FCS9018H	108
FCS9018I	108
FCS9066	108
FD01880	519
FD06193	519
FD3	116
FD6	519
FD100	519
FD111	519
FD200	177
FD222	177
FD333	519◆
FD777	519
FD-1029-BG	102
FD-1029-BP	179◆
FD-1029-CH	5200A
FD-1029-CK	179
FD-1029-DF	116
FD-1029-DG	116
FD-1029-DL	5194A
FD-1029-DT	5187A
FD-1029-EA	5198A
FD-1029-EE	102
FD1029EE	102
FD-1029-EM	179
FD-1029-EP	5019A
FD-1029-ES	5087A
FD-1029ET	121
FD-1029-ET	121
FD-1029-EY	101
FD-1029-FB	109
FD-1029-FE	5005A
FD-1029-FF	103A
FD-1029-FG	213◆
FD-1029-FH	5010A
FD-1029-FJ	5874
FD-1029-FL	5022A
FD-1029-FM	5031A
FD-1029-FR	5194A
FD-1029-FS	5192A
FD-1029-FT	5203A
FD-1029-FY	128
FD-1029-GA	142A
FD-1029-GB	6400B
FD-1029-GC	5021A
FD-1029-GE	128
FD-1029-GG	5183A
FD-1029-GJ	5025A
FD-1029-GK	147A
FD-1029-GM	128
FD-1029-GP	519
FD-1029-GT	139A
FD-1029-GW	137A
FD-1029-GY	5009A
FD-1029-HA	5013A
FD-1029-HB	5014A
FD-1029-HC	5018A
FD-1029-HD	5024A
FD-1029-HE	5071A
FD-1029-HF	5079A
FD-1029-HH	5982
FD-1029-HJ	5281A
FD-1029-HL	129
FD-1029-HN	519
FD-1029-HP	129
FD-1029-HU	5010A
FD-1029-HW	5102A
FD-1029-HY	179
FD-1029-JA	123A
FD-1029-JB	159
FD-1029-JD	5408
FD-1029-JE	5882
FD-1029-JH	71
FD-1029-JK	5214A
FD-1029-JN	128
FD-1029-JP	129
FD-1029-JS	6400B◆
FD-1029-JT	5080A
FD-1029-JU	5408
FD-1029-JW	5521
FD-1029-KC	5016A
FD-1029-KE	109
FD-1029-KG	5072A
FD-1029-KH	5027A
FD-1029-KK	5006A
FD-1029-KM	101
FD-1029-KN	5011A
FD-1029-KP	128
FD-1029-KS	5030A
FD-1029-KT	5408
FD-1029-KW	135A
FD-1029-KY	5260A
FD-1029-LA	5002A
FD-1029-LC	5197A
FD-1029-LD	5066A
FD-1029-LE	5000A
FD-1029-LJ	136A
FD-1029-LK	143A
FD-1029-LL	123A
FD-1029-LM	5181A
FD-1029-LN	5282A
FD-1029-LP	5198A
FD-1029-LS	5818
FD-1029-LT	5276A
FD-1029-LU	284
FD-1029-LW	219
FD-1029-MA	5550
FD-1029-MB	159
FD-1029-MC	177
FD-1029-ME	552
FD-1029-MG	5215A
FD-1029-MK	5042A
FD-1029-ML	129
FD-1029-MM	128
FD-1029-MN	137A
FD-1029-MP	140A
FD-1029-MR	145A
FD-1029-MS	5077A
FD-1029-MT	5033A
FD-1029-NB	5801
FD-1029-NC	284
FD-1029-NE	5820
FD-1029-NG	123A
FD-1029-NK	5188A
FD-1029-NM	5220A
FD-1029-NN	5088A
FD-1029-NS	192
FD-1029-NT	285
FD-1029-NW	130
FD-1029-NY	82
FD-1029-PA	128
FD-1029-PB	369
FD-1029-PC	181
FD-1029-PE	128
FD-1029-PL	327
FD-1029-PN	3043
FD-1029-PP	123AP
FD-1029-PR	137A
FD-1029-PS	397
FD-1029-PT	123A
FD-1029-PU	159
FD-1029-PY	159
FD-1029-RB	129
FD-1029-RG	5463
FD-1029-RT	123A
FD-1029-RU	5008A
FD-1029-RW	519
FD-1029-SC	311
FD-1029-SL	552
FD-1029-SN	125
FD-1029-TC	5015A
FD-1029-TE	5005A
FD-1029-WC	5069A
FD-1029-WE	123AP
FD-1029-WG	159
FD-1029-WH	524V25
FD-1029-WK	377
FD-1029-WN	5010A
FD-1029-WP	285
FD-1029-YC	5007A
FD-1029-YD	123AP
FD-1029-YE	159
FD-1073-AP	716
FD-1073-AY	923
FD-1073-BF	7400
FD-1073-BG	7402
FD-1073-BH	7403
FD-1073-BJ	7404
FD-1073-BK	7406
FD-1073-BL	7407
FD-1073-BM	7408
FD-1073-BN	7410
FD-1073-BP	7413
FD-1073-BR	7420
FD-1073-BS	7430
FD-1073-BT	7437
FD-1073-BU	7440
FD-1073-BW	7451
FD-1073-BY	7454
FD-1073-CA	7486
FD-1073-CB	7442
FD-1073-CC	7447
FD-1073-CD	7474
FD-1073-CE	7475
FD-1073-CF	7476
FD-1073-CG	7493A
FD-1073-CH	7496
FD-1073-CJ	74121
FD-1073-CK	74123
FD-1073-CL	74151
FD-1073-CM	74153
FD-1073-CN	74154
FD-1073-CP	74180
FD-1073-CR	7490
FD-1073-CT	941
FD-1073-CW	7489
FD-1073-DA	7425
FD-1073-DB	7432
FD-1073-DC	7485
FD-1073-DE	74150
FD-1073-DF	74155
FD-1073-DH	74160
FD-1073-DJ	74161
FD-1073-DK	74163
FD-1073-DL	74175
FD-1073-DM	74177
FD-1073-DP	74180
FD-1073-DR	74191
FD1073-DY	955M
FD-1073-EB	7426
FD-1073-EC	924
FD-1073-ED	922
FD-1073-EE	74126
FD-1073-EF	778A
FD-1073-EG	941M
FD-1073-EH	75188
FD-1073-EM	910D
FD-1073-EN	911D
FD-1073-EY	75453B
FD-1073-FA	74128
FD-1073-FB	74174
FD-1073-FH	834
FD-1073-FL	7427
FD-1073-FN	74193
FD-1073-FP	919D
FD-1073-FT	956
FD-1073-FW	74125
FD-1073-FY	7409
FD-1073-GB	923D
FD-1079-AC	4049
FD-1079-AE	4001B
FD-1079-AF	4002B
FD-1079-AG	4007
FD-1079-AH	4011B
FD-1079-AJ	4012B
FD-1079-AK	4013B
FD-1079-AL	4016B
FD-1079-AM	4017B
FD-1079-AN	4022B
FD-1079-AP	4023B
FD-1079-AR	4028B
FD-1079-AS	4042B
FD-1079-AT	4049
FD-1079-AU	4050B
FD-1079-AY	4528B
FD-1079-BA	4006B
FD-1079-BB	4051B
FD-1079-BC	8080A
FD-1079-BJ	4585B
FD-1079-BK	4070B
FD-1079-BL	4555B
FD-1079-BM	4512B
FD-1079-BN	4021B
FD-1079-BT	4516B
FD-1079-BU	4020B
FD-1079-BW	4024B
FD-1079-CE	4502B
FD-1079-CF	4515B
FD-1079-CH	4514B
FD-1079-CJ	4043B
FD-1079-CM	4015B
FD-1079-CN	4543B
FD-1079-DB	4001B
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FD-1079-DD	4049
FD-1079-DE	4050B
FD-1079-DF	4002B
FD-1079-DG	4012B
FD-1079-DH	4023B
FD-1079-DJ	4028B
FD-1079-DS	4066B
FD-1080-AA	74S00
FD-1080-AB	74S04
FD-1080-AC	74S11
FD-1080-AD	74S20
FD-1080-AE	74S40
FD-1080-AF	74S51
FD-1080-AG	74S74
FD-1080-AH	74S112
FD-1080-AJ	74S138
FD-1080-AK	74S140
FD-1080-AL	74S151
FD-1080-AN	74S02
FD-1080-AR	74S05
FD-1080-AY	74S08
FD-1080-BA	74S10
FD-1080-BD	74S64
FD-1080-BE	74S153
FD-1080-BF	74S157
FD-1080-BG	74S158
FD-1080-BH	74S174
FD-1080-BJ	74S175
FD-1080-BK	74S194
FD-1080-BP	74S30
FD-1080-BT	74S86
FD-1080-BU	74S133
FD-1080-CA	74S181
FD-1080-CC	74S251
FD-1080-CE	74S258
FD-1080-DG	8212
FD-1081-AA	74LS86
FD-1081-AB	74LS08
FD-1081-AC	74LS139
FD-1081-AD	74LS153
FD-1081-AE	74LS158
FD-1081-AF	74LS175
FD-1081-AG	74LS197
FD-1081-AH	74LS00
FD-1081-AJ	74LS04
FD-1081-AK	74LS10
FD-1081-AL	74LS32
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FD-1081-AN	74LS74A
FD-1081-AP	74LS75
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FD-1081-AT	74LS161A
FD-1081-AU	74LS163A
FD-1081-AY	74LS174
FD-1081-BC	74LS257
FD-1081-BD	74LS258
FD-1081-BE	74LS283
FD-1081-BG	74LS367
FD-1081-BH	74LS670
FD-1081-BK	74LS157
FD-1081-BL	74LS365A
FD-1081-BM	74LS109A
FD-1081-BN	74LS02
FD-1081-BP	74LS20
FD-1081-BR	74LS259
FD-1081-BS	74LS11
FD-1081-BT	74LS38
FD-1081-BW	74LS30
FD-1081-BY	74LS240
FD-1081-CA	74LS244
FD-1081-CC	74LS27
FD-1081-CD	74LS37
FD-1081-CE	74LS85
FD-1081-CF	74LS93
FD-1081-CG	74LS112A
FD-1081-CH	74LS123
FD-1081-CJ	74LS126
FD-1081-CK	74LS164
FD-1081-CM	74LS191
FD-1081-CP	74LS273
FD-1081-CT	74LS374
FD-1081-CU	74LS05
FD-1081-CW	74LS14
FD-1081-CY	74LS221
FD-1081-DA	74LS125A
FD-1081-DB	74LS42
FD-1081-DC	74LS242
FD-1081-DD	74LS368
FD-1081-DE	74LS280
FD-1081-DF	74LS241
FD-1081-DG	74LS279
FD-1081-DH	74LS155
FD-1081-DJ	74LS21
FD-1081-DM	74LS253
FD-1081-DN	74LS160A
FD1599	116
FD1708	177
FD1843	177
FD1980	109
FD3389	116
FD3405	507
FD-4500-11	124
FD4500AL	181
FD6451	177
FD6489	177
FD8050	85
FDH-9	177
FDH694	177
FDH6229	177
FE0654B	451
FE1A	587
FE1B	587
FE1C	587
FE1D	587
FE16A	6240
FE16AN	6244
FE16E	6240
FE16BN	6244
FE16C	6240
FE16CN	6244
FE16D	6240
FE16DN	6244
FE100	312
FE100A	312
FE102	312
FE102A	312
FE104A	312
FE400	312
FE402	312
FE402A	312
FE404A	312
FE654C	457
FE3819	457
FE4302	457
FE9018	108
FEL2113	709
FEN16AT	6244
FEN16BT	6244
FEN16CT	6244
FEN16DT	6244
FEP16AT	6240
FEP16BT	6240
FEP16CT	6240
FEP16DT	6240
FEP16DT-3	6240
FEP30AP	6246#
FEP30BP	6246#
FEP30CP	6246#
FEP30DP	6246#
FF023800	527
FF023900	527
FF274	715
FF400	312
FFA03BOF	5700
FFA03EOF	5700
FFA06BOF	5700
FFA06EOF	5700
FFB03AOF	5703
FFB03DOF	5705
FFB06AOF	5703
FFB06DOF	5705
FFC-4030	OBS-NLA
FG-2N	506
FG-2Na	506
FG-2NA	116
FG2PC	506
FG79	199
FG-12377	177
FGM03-4	500A
FH100	112
FH340M	5424#
FH1121	189◆
FH70401E	748A
FI100	464
FI-1007	159
FI-1008	159
FI-1019	106
FI-1021	234
FI 1023	107
FJH101	7430
FJH111	7420
FJH121	7410
FJH131	7400
FJH141	7440
FJH151	7450
FJH161	7451
FJH171	7453
FJH181	7454
FJH191	7480
FJH201	7482
FJH211	7483
FJH221	7402
FJH231	7401
FJH241	7404
FJH251	7405
FJH261	7442
FJH271	7486
FJH281	74180
FJH291	7403
FJH301	7426
FJH311	7401
FJH321	7405
FJH341	74154
FJH421	7408
FJJ101	7470
FJJ111	7472
FJJ121	7473
FJJ131	7474
FJJ141	7490
FJJ152	7492
FJJ181	7475
FJJ191	7476
FJJ211	7493A
FJJ231	7495
FJJ241	7496
FJJ251	7492
FJJ261	74107
FJK101	74121
FJL101	7441
FJL131	7413
FJY101	7460
FK914	108
FK918	108
FK2369A	108
FK2484	108
FK2894	106
FK3014	108
FK3299	108
FK3300	108
FL274	712
FLC8080TN	8080A
FLC8080TR	8080A
FLC8212TN	8212
FLC8212TR	8212
FLC8216TN	8216
FLC8216TR	8216
FLC8224TN	8224
FLC8224TR	8224
FLC8228TN	8228
FLC8228TR	8228
FLC8255TN	8255
FLC8255TR	8255
FLH101	7400
FLH105	7400◆
FLH111	7410
FLH115	7410◆
FLH121	7420
FLH125	7420◆
FLH131	7430
FLH135	7430◆
FLH141	7440
FLH145	7440◆
FLH151	7450
FLH155	7450◆
FLH161	7451
FLH165	7451◆
FLH171	7453
FLH175	7453◆
FLH181	7454
FLH185	7454◆
FLH191	7402
FLH195	7402◆
FLH195S	7402◆
FLH201	7401
FLH205	7401◆
FLH211	7404
FLH215	7404◆
FLH221	7480
FLH225	7480◆
FLH231	7482
FLH235	7482◆
FLH241	7483
FLH245	7483◆
FLH271	7405
FLH275	7405◆
FLH281	7442
FLH285	7442◆
FLH291	7403
FLH291U	7426
FLH295	7403◆
FLH341	7486
FLH345	7486◆
FLH351	7413
FLH355	7413◆
FLH361	7443
FLH365	7443◆
FLH371	7444
FLH375	7444◆
FLH381	7408
FLH385	7408◆
FLH391	7409
FLH395	7409◆
FLH401	74181
FLH405	74181◆
FLH411	74182
FLH415	74182◆
FLH421	74180
FLH425	74180◆
FLH431	7485
FLH435	7485◆
FLH441	74H87
FLH445	74H87◆
FLH451	74H183
FLH455	74H183◆
FLH481	7406
FLH481T	7416
FLH485	7406◆
FLH485T	7416◆
FLH491	7407
FLH491T	7417
FLH495	7407◆
FLH495T	7417◆
FLH501	7412
FLH505	7412◆
FLH511	7423
FLH515	7423◆
FLH521	7425
FLH525	7425◆
FLH531	7437
FLH535	7437◆
FLH541	7438
FLH545	7438◆
FLH551	7448
FLH555	7448◆
FLH581	7411
FLH601	74132
FLH605	74132◆
FLH611	7422
FLH615	7422◆
FLH621	7427
FLH625	7427◆
FLH631	7432
FLH635	7432◆
FLH661	7428
FLH665	7428◆
FLJ101	7470
FLJ105	7470◆
FLJ111	7472
FLJ115	7472◆
FLJ121	7473
FLJ125	7473◆
FLJ131	7476
FLJ135	7476◆
FLJ141	7474
FLJ145	7474◆
FLJ151	7475
FLJ155	7475◆
FLJ161	7490

Fairchild "F" branded with part nbr is often mistaken as part of the nbr. Try locating nbr elsewhere by omitting "F".

Ex: FPN3645 - Not Found
PN3645 = ECG159

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
FLJ165	7490◆
FLJ171	7492
FLJ175	7492◆
FLJ181	7493A
FLJ185	7493A◆
FLJ191	7495
FLJ195	7495◆
FLJ201	74190
FLJ205	74190◆
FLJ211	74191
FLJ215	74191◆
FLJ221	7491
FLJ225	7491◆
FLJ231	7494
FLJ235	7494◆
FLJ241	74192
FLJ245	74192◆
FLJ251	74193
FLJ255	74193◆
FLJ261	7496
FLJ265	7496◆
FLJ271	74107
FLJ275	74107◆
FLJ311	74198
FLJ315	74198◆
FLJ321	74199
FLJ325	74199◆
FLJ331	7497
FLJ341	74110
FLJ345	74110◆
FLJ351	74111
FLJ355	74111◆
FLJ381	74196
FLJ385	74196◆
FLJ391	74197
FLJ395	74197◆
FLJ401	74160
FLJ405	74160◆
FLJ411	74161
FLJ415	74161◆
FLJ421	74162
FLJ425	74162◆
FLJ431	74163
FLJ435	74163◆
FLJ441	74164
FLJ445	74164◆
FLJ451	74165
FLJ455	74165◆
FLJ461	74166
FLJ465	74166◆
FLJ531	74174
FLJ535	74174◆
FLJ541	74175
FLJ545	74175◆
FLJ561	74195
FLJ565	74195◆
FLK101	74121
FLK105	74121◆
FLK111	74122
FLK115	74122◆
FLK121	74123
FLK125	74123◆
FLL101	74141
FLL111	7445
FLL111T	74145
FLL115	7445◆
FLL115T	74145◆
FLL121	7446
FLL121T	7447
FLL121U	7446
FLL121V	7447
FLL125	7446◆
FLL125T	7447◆
FLL125U	7446◆
FLL125V	7447◆
FLQ101	7489
FLQ105	7489◆
FLQ111	7481
FLQ115	7481◆
FLQ131	74170
FLQ135	74170◆
FLR2000	3030
FLV117	3020
FLV150	3020
FLV315	3024
FLV355	3024
FLV450	3021
FLY101	7460
FLY105	7460◆
FLY111	74150
FLY115	74150◆
FLY121	74151
FLY125	74151◆
FLY131	74153
FLY135	74153◆
FLY141	74154
FLY145	74154◆
FLY151	74155
FLY155	74155◆
FLY161	74156
FLY165	74156◆
FM1	109
FM1-0001	221
FM1-0002	229
FM1-0003	123AP
FM1-0004	123AP
FM1-0005	123AP
FM1-0006	123AP
FM1-0007	123AP
FM1-0008	123AP
FM1-0009	123AP
FM1-0010	123AP
FM1-0011	107
FM1-0012	123AP
FM1-0013	123AP
FM1-0014	123AP
FM1-0015	123AP
FM1-0016	123AP
FM1-0019	297
FM1-0020	298
FM1-0230	123AP
FM1-0231	123AP
FM1-0232	123AP
FM1-0233	123AP
FM1-0234	123AP
FM1-0235	123AP
FM1-0236	123AP
FM1-0237	278
FM1-0238	278
FM1-0239	297
FM1-0240	107
FM1-0241	123A
FM1-0242	123AP
FM1-0243	177
FM1-0244	177
FM1-0247	139A
FM1-0249	116
FM1-0250	1016
FM1J2	116
FM708	108
FM709	108
FM720A	108
FM870	108
FM871	108
FM910	108
FM911	108
FM914	108
FM1613	108
FM1711	108
FM1893	154
FM2368	108
FM2369	108
FM2846	108
FM2894	106
FM3014	108
FM3958	461
FMC70C120B	5574
FMPS5551M	287
FMPSA12	48
FMPSA20	123A
FMT5108	316
FN37F20	6074
FN37F60	6076
FN37F120	6078
FN37R20	6075
FN37R60	6077
FN37R120	6079
FND500	3079
FND507	3078
FND807	3080
FND6710	3074
FND6730	3076
FND6740	3075
FND6750	3077
FO5	116
FOR1B(GAK)	5402
FP08C	5693◆
FP08D	5695◆
FP08E	5695◆
FP08F	5697◆
FP08G	5697◆
FP09C	5679◆
FP09D	5679◆
FP09E	5679◆
FP09F	5679◆
FP09G	5679◆
FP0501	159
FP-2	HiDiv-1
FP-3	HiDiv-2
FP10C	5688
FP10D	5689
FP10E	5689
FP10F	5690
FP10G	5690
FP21C	5679
FP21D	5679
FP21E	5679
FP21F	5679
FP21G	5679
FP50201	234
FP50301	123AP
FP50801	107
FP57204	294
FPA733	159
FPC644	199
FPC828	199
FPC828A	199
FPC829	199
FPC900	199
FPC929	107
FPC945	289A
FPC1317	297
FPC1318	297
FPC1383	293
FPC1384	293
FPC1675	289A
FPE100	3028
FPE8050	293
FPE8550	294
FPL92328	OBS-NLA
FPN3563	108
FPN3567	297
FPN3641	123AP
FPN5855	159
FPN5856	123AP
FPQ2222	2321
FPQ2907	2322
FPR40-1001	123A
FPR40-1003	108
FPR40-1004	102A
FPR40-1005	102A
FPR40-1006	109
FPR50-1001	123A
FPR50-1002	123A
FPR50-1003	108
FPR50-1004	108
FPR50-1005	102A
FPR50-1006	102A
FPR50-1011	116
FPT-400	3036
FPT400	3036
FPT-500	3032
FPT500	3032
FPT510A	3032
FPT570	3036
FPT-570	3036
FQ01C	5683
FQ01D	5685
FQ01E	5685
FQ08C	5683◆
FQ08D	5685◆
FQ08E	5685◆
FQ08F	5687◆
FQ08G	5687◆
FQ09C	5679◆
FQ09D	5679◆
FQ09E	5679◆
FQ09F	5679◆
FQ09G	5679◆
FQ10C	5688
FQ10D	5689
FQ10E	5689
FQ10F	5690
FQ10G	5690
FQ21C	5679
FQ21D	5679
FQ21E	5679
FQ21F	5679
FQ21G	5679
FQO1C	5683
FQO1D	5685
FQO1E	5685
FR01C	5683
FR01D	5685
FR01E	5685
FR08C	5683◆
FR08D	5685◆
FR08E	5685◆
FR08F	5687◆
FR08G	5687◆
FR09C	5679◆
FR09D	5679◆
FR09E	5679◆
FR09F	5679◆
FR09G	5679◆
FR-1	116
FR-1H	116
FR-1H(M)	116
FR1M	116
FR-1M	116
FR1MB	116
FR-1MD	116
FR-1N	116
FR-1P	116
FR-1U	519
FR2	116
FR-2	116
FR2(S1B1)	116
FR2-02	116
FR2-02C	116
FR2-06	125
FR2-0Z	116
FR2-O2	116
FR-2P	116
FR2P	116
FR-10	125
FR10C	5688
FR10D	5689
FR10E	5689
FR10F	5690
FR10G	5690
FR21C	5679
FR21D	5679
FR21E	5679
FR21F	5679
FR21G	5679
FR28A	5818
FR28B	5818
FR28C	5820
FR28D	5820
FR28L	5822
FR28M	5822
FR29A	5819
FR29B	5819
FR29C	5821
FR29D	5821
FR29L	5823
FR29M	5823
FR51A	6007
FR51B	6007
FR51C	6009
FR51D	6009
FR51L	6011
FR51M	6011
FR52A	6006
FR52B	6006
FR52C	6008
FR52D	6008
FR52L	6010
FR52M	6010
FR103	552◆
FR104	552
FR105	552
FR106	506
FR107	506
FR155	580
FR202	116
FR-202	116
FR-1033	118
FRB-564	175
FRH101	116
FRH-101	116
FRL-714D05/1AS-2	F1A005%
FRL-714D05/2AS	F2A005%
FRL-714D12/2AS	F2A012%
FRL2000	3030
FRL4403	3030
FRO1C	5683
FRO1D	5685
FRO1E	5685
FRS3693	229
FS03C	5673
FS03D	5675
FS03E	5675
FS06B	5632
FS06C	5633
FS06D	5635
FS06E	5635
FS07C	5633
FS07D	5635
FS07E	5635
FS07F	5637
FS07G	5637
FS08C	5667A
FS08D	5667A
FS08E	5667A
FS08F	5667A
FS08G	5667A
FS09C	5679◆
FS09D	5679◆
FS09E	5679◆
FS09F	5679◆
FS09G	5679◆
FS10C	5688
FS10D	5689
FS10E	5689
FS10F	5690
FS10G	5690
FS12C	5633
FS12E	5635
FS19	109
FS102	5402
FS152	5404
FS202	5404
FS302	5405
FS340M	5424#
FS402	5405
FS503PA	6158
FS503RA	6158
FS503VA	6158
FS703PA	6158
FS703RA	6158
FS703VA	6158
FS1221	123A
FS1308	107
FS1331	128
FS1682	161
FS1948-008	159
FS1974	123A
FS1978	195A
FS1978(RF Power)	195A
FS1990	234
FS2003-1	130
FS2299	160
FS3266	108
FS3683	108
FS7805M	960
FS-7812	966
FS7812M	966
FS7812T	966
FS7815	968
FS7815T	968
FS7824T	972
FS7915T	969
FS24226	159
FS24954	159
FS27233	128
FS35529	108
FS36999	123A
FS326690	108
FS1948008	159
FSA1169	115
FSA1177	113A
FSA1178	113A
FSA1202	115
FSC9014C	108
FSE1001	108
FSE3001	108
FSE4002	199
FSE5002	108
FSO3C	5673
FSO3D	5675
FSO3E	5675
FSO6B	5632
FSO6C	5633
FSO6D	5635
FSO6E	5635
FSP-1	108
FSP-42	108
FSP-42-1	108
FSP-164	108
FSP-165	108
FSP-166	108
FSP-166-1	108
FSP-215	108
FSP-242-1	108
FSP-270-1	108
FSP-288-1	116
FSP-289-1	108
FSP307566	547
FST2	116

Fairchild "F" branded with part nbr is often mistaken as part of the nbr. Try locating nbr elsewhere by omitting "F".

Ex: FPN3645 - Not Found PN3645 = ECG159

To Be Replaced	ECG Replacement
FST3	116
FT001	128
FT002	128
FT003	128
FT004	128
FT004A	128
FT005	123A
FT006	123A
FT008	123A
FT008A	123A
FT0019H	128
FT0019M	159
FT03C	5673
FT03D	5675
FT03E	5675
FT06B	5632
FT06C	5633
FT06D	5635
FT06E	5635
FT07C	5633
FT07D	5635
FT07E	5635
FT07F	5637
FT07G	5637
FT08C	5667A
FT08D	5667A
FT08E	5667A
FT08F	5667A
FT08G	5667A
FT09C	5679◆
FT09D	5679◆
FT09E	5679◆
FT09F	5679◆
FT09G	5679◆
FT023	123A
FT024	123A
FT025	123A
FT026	123A
FT027	128
FT052	159
FT053	123A
FT0601	222
FT0650	452
FT1	177
FT-1	116
FT1(Sharp)	177
FT-1M	506
FT1M	506
FT1N	116
FT-1P	506
FT10	125
FT10C	5688
FT10D	5689
FT10E	5689
FT10F	5690
FT10G	5690
FT12C	5633
FT12E	5635
FT14A	116
FT34C	154
FT34D	154
FT34Y	312
FT45	161
FT47	198
FT48	198
FT49	198
FT50	198
FT58	154
FT118	161
FT300	124
FT317B	54
FT324	60◆
FT410	283
FT411	94
FT417B	55
FT424	61◆
FT430	53
FT431	53
FT520	171
FT527	235
FT704	464
FT709	108
FT1315	108
FT1324B	108
FT1324C	108
FT1341	159
FT1702	106
FT1746	159
FT3055	331
FT3638	159
FT3641	154
FT3643	123A
FT3811	328◆
FT3812	328◆
FT3813	387◆
FT3853	98◆
FT3862	328◆
FT3863	387◆
FT5712M	2321
FT5713	2321
FT5713M	2321
FT5714M	2322
FT5851	97◆
FTO3C	5673
FTO3D	5675
FTO3E	5675
FTO6B	5632
FTO6C	5633
FTO6D	5635
FTO6E	5635
FTR118	229
FTR129	229
FTR158	229
FTR168	108
FU1K	506
FU-1M	552
FU1M	116
FU-1MA	552
FU1N	552
FU-1N	552
FU-1NA	552
FU1NA	552
FU1U	116
FU5B7709393	909
FU5B7710393	910
FU5B7740393	940§
FU5B7741393	941
FU5B7749393	949
FU5D770331X	703
FU5D770339	703
FU5E7064393	780
FU5F7711393	911
FU5F7715393	915
FU5F7747393	947
FU5R7723393	923
FU5T7725393	925
FU6A7709393	909D
FU6A7710393	910D
FU6A7711393	911D
FU6A7723393	923D
FU6A7739393	725
FU6A7741393	941D
FU6A7742393	979§
FU8B770339X	703
FU9A7723393	923D
FU9A7741393	941D
FU9T7741393	941M
FU10	506
FU12B	5629◆
FU12C	5629◆
FU12D	5629◆
FU12E	5629◆
FU1741	289A
FUA703HCG	703
FUA706BPC	OBS-NLA
FUA-706BPC	OBS-NLA
FUA767PC	722
FUA905C	961
FUA7805C	960
FUA7805UC	960
FUA7806C	961
FUA7806UC	961
FUA7808C	964
FUA7808UC	964
FUA7812C	966
FUA7812UC	966
FUA7815C	968
FUA7815UC	968
FUA7824C	972
FUA7824UC	972
FUA7905UC	961
FUA7906C	963
FUA7906UC	963
FUA7912C	967
FUA7912UC	967
FUA7915C	969
FUA7915UC	969
FUA7924C	971
FUA7924UC	971
FU-IM	552
FuL914-28	9914
FuL923	OBS-NLA
FUN14LH026	720
FV-1	601
FV-11	601
FV-21	138A
FV21	138A
FV-22	137A
FV22	137A
FV23	109
FV-23	109
FV-24	5070A
FV214	605A
FV215	605A
FV914	108
FV918	108
FV1043	610
FV-1043	610
FV1106	610
FV1106A	610
FV2369A	108
FV2484	108
FV2747C	100
FV2894	106
FV3014	108
FV3299	108
FV3300	108
FW-50	166
FW50	166
FW100	116
FW-100	166
FW-200	167
FW200	167
FW-400	168
FW400	116
FW500	116
FW600	116
FW-600	169
FW600A	116
FW-800	170
FW-1000	170
FW5198	159
FWB3001	167
FWB3002	167
FWB3003	168
FWB3004	168
FWB3005	169
FWB3006	169
FWD-300	168
FWD-500	169
FWL50	166
FWL100	166
FWL200	167
FWL300	168
FWL400	168
FWL500	169
FWL600	169
FWL700	170
FWL800	170
FWL1000	170
FWLA50	166
FWLA100	166
FWLA200	167
FWLA300	168
FWLA400	168
FWLA500	169
FWLA600	169
FWLA700	170
FWLA800	170
FWLA1000	170
FWLC50	5309
FWLC100	5309
FWLC200	5309
FWLC300	5310
FWLC400	5310
FWLC500	5310
FWLC600	5310
FWLC800	5311
FWLC1000	5311
FX274	714
FXSE104	394
FZ3.6T5	134A
FZ3.6T10	134A
FZ5.1T5	135A
FZ5.1T10	135A
FZ5.6T5	136A
FZ5.6T10	136A
FZ6.2T10	137A
FZ12A	142A
FZ12T5	142A
FZ12T10	142A
FZ14T5	144A
FZ14T10	144A
FZ15A	145A
FZ15T5	145A
FZ15T10	145A
FZ27A	146A
FZ27T5	146A
FZ27T10	146A
FZ33A	147A
FZ82A	150A
FZ309B	139A
FZ901	135A
FZD6V8	4903
FZD18	4927
FZD27	4935
FZD68	4959
FZL111	9383
G00003A	109
G00004A	110MP
G00009A	109
G0001(HEP)	126A
G0002	160
G0003(HEP)	160
G0004(HEP)	102A
G0005	158
G0006	102
G0007	102A
G0008	126A
G0009(HEP)	126A
G00-003-A	109
G00-004-A	109
G00-008-A	109
G00-009-A	109
G00-012A	177
G00-012-A	177
G00-013-8	109
G00-014-A	177
G003(HEP)	160
G004	102A
G005-036C	123A
G005-036E	123A
G008(HEP)	127
G0010	126A
G0011(HEP)	101
G00-220-A	601
G00-502A	116
G00-534-A	116
G00-534-B	116
G00535	116
G00-535A	116
G00535A	116
G00-535-B	116
G00-536-A	116
G00-536A	116
G00-543-A	116
G00-551-A	116
G00-554-A	116
G00-803-A	177

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
G01	116
G01-012-F	140A
G01-036A	137A
G01-036-G	139A
G01-036-H	139A
G01-037-A	142A
G01-083-A	177
G01-209-B	177
G01-209B	177
G01-217-A	177
G01-406-A	613
G01-803A	177
G01-803-A	177
G01A	112
G02	116
G03-007C	184
G03-017-B	294
G03-017-C	294
G03-017-D	294
G03-404-B	129
G03-404-C	129
G03-406-C	185
G03-407-Y	159
G04-041B	107
G04-701-A	121
G04-704-A	131
G04-711-E	158
G04-711-F	158
G04-711-G	158
G04-711-H	158
G04-711L	158
G05-003-A	233
G05-003-B	233
G05-004A	108
G05-010-A	123A
G05-011-A	123A
G05-012-G	199
G05-015C	123A
G05-015-D	123A
G05-034-D	123A
G05-035-D	123A
G05-035E	123A
G05-035-E	199
G05-036-B	199
G05-036B	85
G05-036C	85
G05-036-C	123A
G05-036D	123A
G05-036-D	199
G05-036-E	123A
G05-036E	123A
G05-036F	199
G05-037-A	229
G05-037B	123A
G05-037-B	229
G05-037-D	229
G05-050-C	107
G05-055-C	289A
G05-055-D	289A
G05-055-E	289A
G05-061-B	199
G05-061-C	199
G05-061-D	199
G05-061E	199
G05-063-R	229
G05-064-A	123A
G05-065-A	229
G05-066A	229
G05-066-A	229
G05-406-C	187A
G05-413A	289A
G05-413B	85
G05-413-B	289A
G05-413-C	289A
G05-413C	85
G05-413-D	289A
G05-413D	85
G05-415-A	293
G05-415-B	293
G05-415-C	293
G05-416-C	186A
G05-706-D	199
G05-706-E	199
G06-061-B	199
G06-714C	186
G06-717-B	184
G06-717-C	184
G06-717-D	184
G06-723D	103A
G08-005L	312
G08-007-B	312
G09-003-C	1103
G09-006-A	1029
G09-006-B	1029
G09-006-C	1029
G09-007-A	1103
G09-007-B	1103
G09-007-C	1103
G09-007-D	1103
G09-008-B	1087
G09-008-C	1087
G09-008-D	1087
G09-008-E	1087
G09-009-A	1006
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G2K	156
G2M	156
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G5.1T20	135A
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G5.6T20	136A
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G7F	109
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G9.1T10	139A
G9.1T20	139A
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GE-5	101
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GE5ZD-3.9	5113A
GE5ZD-4.3	5114A
GE5ZD-4.7	5115A
GE5ZD-5.1	5116A
GE5ZD-5.6	5117A
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GE5ZD-6.2	5119A
GE5ZD-6.8	5120A
GE5ZD-7.5	5121A
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GE5ZD-8.7	5123A
GE5ZD-9.1	5124A
GE5ZD-10	5125A
GE5ZD-11	5126A
GE5ZD-12	5127A
GE5ZD-13	5128A
GE5ZD-14	5129A
GE5ZD-15	5130A
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GE5ZD-19	5134A
GE5ZD-20	5135A
GE5ZD-22	5136A
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GE-8	103
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GE59	103A
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GE-4001	4001B
GE-4002	4002B
GE-4011	4011B
GE-4012	4012B
GE-4013	4013B
GE-4015	4015B
GE-4016	4016B
GE-4017	4017B
GE-4019	4019B
GE-4020	4020B
GE-4021	4021B
GE-4023	4023B
GE-4024	4024B
GE-4025	4025B
GE-4027	4027B
GE-4030	4030B
GE-4040	4040B
GE-4042	4042B
GE-4049	4049
GE-4050	4050B
GE-4051	4051B
GE-4052	4052B
GE-4055	4055B
GE-4518	4518B
GE-5004	5838
GE-5005	5839
GE-5008	5842
GE-5009	5843
GE-5013	5849
GE-5016	5854
GE-5017	5855
GE-5020	5858
GE-5021	5859
GE-5024	5862
GE-5025	5863
GE-5028	5868
GE-5029	5869
GE-5032	5874
GE-5033	5875
GE-5036	5878
GE-5037	5879
GE-5040	5882
GE-5041	5883
GE-5044	5890
GE-5045	5891
GE-5048	5944
GE5060	98
GE5061	98
GE5062	98
GE-5064	5916
GE-5065	5917
GE-5068	5920
GE-5073	5925
GE-5076	5932
GE-5077	5933
GE-5096	5986
GE-5097	5987
GE-5100	5990
GE-5101	5991
GE-5104	5994
GE-5105	5995
GE-5108	6002
GE-5109	6003
GE-5128	6054
GE-5129	6055
GE-5132	6060
GE-5133	6061
GE-5136	6064
GE-5137	6065
GE-5140	6072
GE-5141	6073
GE6060	98
GE6061	98
GE6062	98
GE6063	177
GE6251	98
GE6252	98
GE6253	98
GE6366	116
GE-7400	7400
GE-7402	7402
GE-7404	7404
GE-7406	7406
GE-7408	7408
GE-7410	7410
GE-7413	7413
GE-7420	7420
GE-7427	7427
GE-7432	7432
GE-7441	7441
GE-7447	7447
GE-7448	7448
GE-7451	7451
GE-7473	7473
GE-7474	7474
GE-7475	7475
GE-7476	7476
GE-7485	7485
GE-7486	7486
GE-7490	7490
GE-7492	7492
GE10000	98
GE10001	98
GE10002	98
GE10003	98
GE10004	98
GE10005	98
GE10006	98
GE10007	98
GE10008	98
GE10009	98
GE10015	99
GE10016	99
GE10022	99
GE10023	99
GE-74123	74123
GE-74145	74145
GE-74150	74150
GE-74154	74154
GE-74192	74192
GE-74193	74193
GE-74196	74196
GEB100	5312
GEB101	5312
GEB102	5313
GEB104	5314
GEB106	5315
GEB108	5316
GEBR-206	5313
GEBR-425	5324
GEBR-600	169
GEBR-1000	170
GE-CR1	118
GECR-1	118
GE-CR2	119
GECR-2	119
GECR-3	120
GE-CR3	120
GECR-4	502
GECR-5	503
GECR-6	504
GECR-7	505
GED05B850	109
GE-FET1	312
GE-FET-1	312
GE-FET-2	312
GE-FET-4	222
GE-FET-6	222
GE-FR8	HiDiv-1
GEFR-8	HiDiv-1
GEFR-9	HiDiv-2
GE-FR9	HiDiv-2
GEFR-10	HiDiv-3
GE-IC2	712
GEIC-2	712
GEIC-3	705A
GE-IC3	705A
GE-IC4	714
GEIC-4	714
GEIC-5	713
GE-IC5	713
GE-IC6	715
GEIC-6	715
GE-IC7	720
GEIC-7	720
GEIC-8	718
GE-IC8	718
GE-IC9	722
GEIC-9	722
GEIC-10	708
GE-IC10	708
GEIC-11	709
GE-IC11	709
GE-IC12	703
GEIC-13	731
GEIC-14	721
GEIC-15	723
GEIC-16	737§
GEIC-17	736
GEIC-18	790
GEIC-19	725
GEIC-20	780
GEIC-21	783
GEIC-22	728
GEIC-23	729
GEIC-24	744
GEIC-25	949
GEIC-26	748A
GEIC-27	804
GEIC-28	719
GEIC-29	738
GEIC-30	739
GEIC-31	740A
GEIC-32	743
GEIC-33	791
GEIC-34	799
GEIC-35	801
GEIC-36	1004
GEIC-37	1010
GEIC-38	1006
GEIC-39	1121
GEIC-40	1122
GEIC-41	1080
GEIC-42	1005
GEIC-43	1003
GEIC-44	1053
GEIC-45	1054
GEIC-46	1057
GEIC-47	1055
GEIC-48	1056
GEIC-49	1058
GEIC-50	1060
GEIC-51	1061
GEIC-52	1062
GEIC-53	1063§
GEIC-54	1064
GEIC-55	1065
GEIC-56	1066
GEIC-57	1067
GEIC-58	1068
GEIC-59	1072
GEIC-60	1074
GEIC-61	1181
GEIC-62	1137
GEIC-63	1073
GEIC-64	1069
GEIC-65	1070
GEIC-66	1168
GEIC-67	1071
GEIC-68	1163
GEIC-69	1002
GEIC-70	1227
GEIC-71	1158
GEIC-72	1159
GEIC-73	1094
GEIC-74	1215
GEIC-75	1179
GEIC-76	1217
GEIC-77	1009
GEIC-79	1011
GEIC-80	1180
GEIC-81	726
GEIC-82	1188
GEIC-83	726
GEIC-84	704
GEIC-86	724
GEIC-87	1108
GEIC-88	1061
GEIC-89	710
GEIC-90	1106
GEIC-91	1104
GEIC-92	1100
GEIC-93	1102
GEIC-94	1103
GEIC-95	1101
GEIC-96	1004
GEIC-97	749
GEIC97	1186
GEIC-98	1080
GEIC-99	1109
GEIC-101	1105§
GEIC-102	1022
GEIC-103	1087
GEIC-104	1085
GEIC-105	1128
GEIC-106	1134
GEIC-107	1133
GEIC-109	1131
GEIC-110	1132§
GEIC-111	1130
GEIC114	1236
GEIC-115	748A
GEIC-116	1047
GEIC-118	1046
GEIC-119	1124
GEIC-120	1089*
GEIC-121	1049
GEIC-122	1048
GEIC-123	1050
GEIC-124	1077
GEIC-125	1076
GEIC-126	1091*
GEIC-127	1084
GEIC-128	1142
GEIC-130	1092
GEIC-131	1051
GEIC-132	1079
GEIC-133	1050
GEIC-135	1052
GEIC-136	1078§
GEIC-137	1184
GEIC-138	1140
GEIC-139	1185
GEIC-140	1082
GEIC-142	1086*
GEIC-143	1061
GEIC-147	712
GEIC-148	712
GEIC148	712
GEIC-149	1004
GEIC-150	1213
GEIC-153	1229
GEIC154	1237
GEIC-155	801
GEIC-156	1122
GEIC-157	1094
GEIC-158	1121
GEIC-159	1039
GEIC-160	1041
GEIC-162	1029
GEIC-163	1030§
GEIC-164	1032
GEIC-165	1033
GEIC-166	1034
GEIC-167	1035
GEIC-168	1036
GEIC-169	1043
GEIC-170	1037
GEIC-171	1087
GEIC-172	912
GEIC-173	1171
GEIC-175	1186
GEIC-176	1187
GEIC-178	1205
GEIC-179	1155
GEIC-180	901
GEIC-182	1153
GEIC-183	748A
GEIC-184	1062
GEIC-185	909
GEIC-190	960
GEIC-191	964
GEIC-194	7401
GEIC-196	1160
GEIC-197	1160
GEIC-199	1172
GEIC-201	1093
GEIC-203	1230
GEIC-204	1225
GEIC-205	704
GEIC-207	711
GEIC-208	716
GEIC-209	717
GEIC-210	727
GEIC-212	735
GEIC-213	742
GEIC-214	743
GEIC-215	744
GEIC-216	745
GEIC-217	746
GEIC-218	747
GEIC-219	750
GEIC-220	778A
GEIC-221	779A
GEIC-222	780
GEIC-223	781
GEIC-224	782§
GEIC-225	783
GEIC225	783
GEIC-226	785§
GEIC-227	786
GEIC-228	787
GEIC-229	788
GEIC-230	790
GEIC-231	791
GEIC-232	795
GEIC-233	797
GEIC-234	798
GEIC-235	802
GEIC-236	784
GEIC-237	803
GEIC-238	805
GEIC-239	806
GEIC-240	807
GEIC-241	810A
GEIC-242	812
GEIC-243	814A§
GEIC-244	815
GEIC-245	900
GEIC-246	906
GEIC-247	907
GEIC-248	908
GEIC-249	909
GEIC-250	909D
GEIC-251	910
GEIC-252	910D
GEIC-253	911
GEIC-254	911D
GEIC-255	913§
GEIC-256	914
GEIC-257	916
GEIC-258	917
GEIC-259	923
GEIC-260	923D
GEIC-261	925
GEIC-262	940§
GEIC-263	941
GEIC-264	941D
GEIC-265	941M
GEIC-266	946§
GEIC-267	947
GEIC-268	947
GEIC-269	955M
GEIC-271	1008
GEIC-272	1023
GEIC-273	1031
GEIC-274	1038
GEIC-275	1083
GEIC-276	1107
GEIC-277	OBS-NLA
GEIC-278	1115
GEIC-279	1116
GEIC-280	1117
GEIC-281	1123
GEIC-282	1125
GEIC-283	OBS-NLA
GEIC-284	1136
GEIC-285	1149
GEIC-286	1150
GEIC-287	1154
GEIC-288	903
GEIC-289	904
GEIC-290	905
GEIC-295	1223
GEIC-296	1224
GEIC-300	1161
GEIC-301	1164
GEIC-302	1173
GEIC-303	1182
GEIC-311	1098
GEIC-312	1096
GEIC-313	1126
GEL234	717
GEL234F1	717
GEL234F2	717
GEL239F2	721
GEL277	804
GEL2111	708
GEL2111AL1	708
GEL2111F1	708
GEL2113	709
GEL2113AL1	709
GEL2113F1	709
GEL2114	713
GEL3072F1	790
GE-M100	160
GEMR-1	5874
GEMR-2	5990
GEMR-3	5545
GEMR-4	5494
GEMR-5	5455
GEMR-6	186
GE-MR6	186
GEP2955	332
GEP3055	331
GEPS2001	3040
GER4001	116
GER4002	116
GER4003	116
GER4004	116
GER4005	116
GER4006	125
GER4007	125
GER-A	102A
GER-A-D	160
GES92	123AP
GES93	159
GES97	123AP
GES98	194
GES813	159
GES929	123AP
GES930	123AP
GES2218	123AP
GES2218A	123AP
GES2219	123AP
GES2219A	123AP
GES2221	123AP
GES2221A	123AP
GES2222	123AP
GES2222A	123AP
GES2483	123AP
GES2711	319P
GES2712	319P
GES2904	159
GES2904A	159
GES2905	159
GES2905A	159
GES2906	159
GES2907	159
GES2923	123AP
GES2924	123AP
GES2925	123AP
GES2926	123AP
GES3053	123AP
GES3250	159
GES3250A	159
GES3251	159
GES3251A	159
GES3392	123AP
GES3393	123AP
GES3394	123AP
GES3395	123AP
GES3396	123AP
GES3397	123AP
GES3398	123AP
GES3402	123AP
GES3403	123AP
GES3404	123AP
GES3405	123AP
GES3414	123AP
GES3415	123AP
GES3416	123AP
GES3417	123AP
GES3494	159
GES3495	159
GES3496	159
GES3497	159
GES3499	128P

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
GES3565	123AP
GES3566	123AP
GES3567	123AP
GES3568	123AP
GES3569	123AP
GES3634	288
GES3635	288
GES3636	288
GES3637	288
GES3641	123AP
GES3642	123AP
GES3643	123AP
GES3721	123AP
GES3742	287
GES3743	288
GES3900	123AP
GES3900A	123AP
GES3901	123AP
GES3946	123AP
GES3947	123AP
GES4058	159
GES4059	159
GES4060	159
GES4061	159
GES4062	159
GES4072	108
GES4073	108
GES4121	159
GES4122	159
GES4248	159
GES4249	159
GES4450	123AP
GES4888	288
GES4889	288
GES4926	287
GES4927	287
GES4928	288
GES4929	288
GES4930	288
GES4931	288
GES5128	123AP
GES5129	123AP
GES5305	46
GES5306	46♦
GES5306 (EBC)	172A
GES5307	46
GES5307 (EBC)	172A
GES5308	46♦
GES5308 (EBC)	172A
GES5368	123AP
GES5369	123AP
GES5370	123AP
GES5371	123AP
GES5372	159
GES5373	159
GES5374	159
GES5375	159
GES5400	288
GES5401	288
GES5447	159
GES5448	159
GES5449	123AP
GES5450	123AP
GES5451	123AP
GES5550	287
GES5551	287
GES5810	123AP
GES5811	159
GES5812	123AP
GES5813	159
GES5814	123AP
GES5815	159
GES5816	123AP
GES5817	159
GES5818	123AP
GES5819	159
GES5821	159
GES5823	159
GES5824	123AP
GES5825	123AP
GES5826	123AP
GES5827	123AP
GES5827A	123AP
GES5828	199
GES5828A	199
GES6000	123AP
GES6001	159
GES6002	123AP
GES6003	159
GES6004	123AP
GES6005	159
GES6006	123AP
GES6007	159
GES6010	128P
GES6011	159
GES6012	128P
GES6013	159
GES6014	128P
GES6015	159
GES6016	128P
GES6017	159
GES6218	287
GES6219	287
GES6220	287
GES6221	194
GES6222	123AP
GES6224	123AP
GES6262	159
GES6426	48
GES6427	48
GES6560	123AP
GES6561	123AP
GES6563	159
GES55305	172A
GESS-2AV2	511
GESS-3A3	508
GESS-3AT2	509
GESS-3DB3	510
GESS-6DW4	512
GET103	102A
GET113	102A
GET113A	102A
GET114	102A
GET572	121
GET671	160
GET672	160
GET672A	160
GET673	160
GET691	160
GET692	160
GET693	160
GET706	123A
GET708	123A
GET871	126A
GET872	126A
GET873	126A
GET873A	126A
GET874	126A
GET875	126A
GET880	100
GET881	100
GET882	100
GET883	126A
GET885	126A
GET887	100
GET888	100
GET889	100
GET890	100
GET891	100
GET892	100
GET895	100
GET896	100
GET897	100
GET898	102
GET914	123A
GET929	128
GET930	128
GET2221	123A
GET2222	123A
GET2369	123A
GET3013	123A
GET3014	123A
GET3416	123A
GET3638	159
GET3638A	159
GET3646	123A
GET4870	6401
GET4871	6409
GET5116	160
GET5117	160
GET5172	123A
GET5305	46
GET5306	46♦
GET5307	46
GET5308	46♦
GET5308A	46♦
GET50825-1	OBS-NLA
GETO-50P	158
GEVR-100	977
GEVR-101	960♦
GEVR-102	960
GEVR-106	981
GEVR-107	964♦
GEVR-108	964
GEVR-109	950
GEVR-110	966♦
GEVR-111	966
GEVR-112	1903
GEVR-113	967♦
GEVR-114	967
GE-X1	5483
GE-X3	5521
GE-X4	5916
GE-X5	5453
GE-X8	103
GE-X9	102A
GE-X10	6401
GE-X11	5072A
GE-X12	5673
GE-X13	6408
GE-X16	5485
GE-X16A1938	123A
GE-X17	6402
GE-X18	186
GE-X36	116
GE-X66	109
GEZD-3.3	5066A
GEZD-3.6	134A
GEZD-3.9	5067A
GEZD-4.3	5068A
GEZD-4.7	5069A
GEZD-5.0	135A
GEZD-5.1	135A
GEZD-5.6	136A
GEZD-6.0	5070A
GEZD-6.2	137A
GEZD-6.8	5071A
GEZD-7.5	138A
GEZD-8.2	5072A
GEZD-9.1	139A
GEZD-10	140A
GEZD-10-4	140A
GEZD-11	5074A
GEZD-11.5	141A
GEZD-12	142A
GEZD-13	143A
GEZD-14	144A
GEZD-15	145A
GEZD-16	5075A
GEZD-17	5076A
GEZD-18	5077A
GEZD-19	5078A
GEZD-20	5079A
GEZD-22	5080A
GEZD-24	5081A
GEZD-25	5082A
GE-ZD27	146A
GEZD-27	146A
GEZD-28	5083A
GEZD-30	5084A
GEZD-33	147A
GEZD-36	5085A
GEZD-39	5086A
GEZD-43	5087A
GEZD-47	5088A
GEZD-51	5089A
GEZD-55	148A
GEZD-56	5090A
GEZD-60	5091A
GEZD-62	149A
GEZD-68	5092A
GEZD-75	5093A
GEZD-82	150A
GEZD-87	5094A
GEZD-91	5095A
GEZD-100	5096A
GEZD-110	151A
GEZD-120	5097A
GEZD-130	5098A
GEZD-140	5099A
GEZD-150	5100A
GEZD-160	5101A
GEZD-170	5102A
GEZD-180	5103A
GEZD-190	5104A
GEZD-200	5105A
GF20	102
GF21	102
GF32	102
GF130	160
GFA03	558
GFA03L	558
GFA03R	558
GFB30	580
GFB30B	580
GFB30C	580
GFB30E	580
GFB30G	580
GFB-30G	580
GFB30G-FD1	580
GFB7422-DP	7422
GFB7428-DP	7428
GFB7433-DP	7433
GFB7481A-DP	7481
GFB74110-DP	74110
GFB74111-DP	74111
GFB74125-DP	74125
GFB74126-DP	74126
GFB74128-DP	74128
GFB74132-DP	74132
GFD10	552
GFD10B	552
GFD10C	552
GFD10E	552
GFD10G	552
GFE10	558
GFE10R	558
GFH600-1	3041
GFH600-11	3041
GFH600-111	3041
GFT44	160
GFT45	160
GFT3008/40	102
GGE-51	160
GH-1E	506
GH-1F	551
GH1F	558
GH3F	558
GH-3F	558
GH3H	506
GI08B	116
GI1	100
GI-1N4385	116
GI2	102
GI3	126A
GI4	102
GI5	101
GI6	101
GI8	103
GI9	105
GI10	123A
GI141D(Zenith)	177
GI146D(Zenith)	552
GI210D(Zenith)	552
GI237	125
GI254(Zenith)	116
GI263(Zenith)	552
GI298-03(Zenith)	552
GI-300B	116
GI-300D	116
GI323-04(Zenith)	558
GI339-04(Zenith)	506
GI402D(Zenith)	558
GI411	116
GI420	116
GI501	5802
GI504	5804
GI506	5806
GI508	5808
GI510	5809
GI850	580
GI851	580
GI852	580
GI854	580
GI856	580
GI1001	587
GI1002	587
GI1003	587
GI1004	587
GI2401	6240
GI2401N	6244
GI2401R	6244
GI2402	6240
GI2402N	6244
GI2402R	6244
GI2403	6240
GI2403N	6244
GI2403R	6244
GI2404	6240
GI2404N	6244
GI2404R	6244
GI2711	123A
GI2712	123A
GI2713	123A
GI2714	123A
GI2715	123A
GI2716	123A
GI2921	123A
GI2922	123A
GI2923	123A
GI2924	123A
GI3002	116
GI-3008	116
GI3638	159
GI3638A	159
GI3641	123A
GI3643	123A
GI3644	159
GI3702	159
GI3703	159
GI3704	123A
GI3705	123A
GI3706	123A
GI3707	123A
GI3708	123A
GI3709	123A
GI3710	123A
GI3711	123A
GI3793	161
GI3992-17	116
GI3992-i7	116
GI6506	101
GIE-BY159/1	5304
GI-P100-D	116
GI-TVC3	120
GJ4M	116
GL-3PY1	3011
GL-5AR1	3025
GL-5AR2	3022
GL5NG6	3024
GL-5NG6	3024
GL-5PR6	3022
GL5PR6	3022
GL-5PR6H	3022
GL-5R04A	3065
GL-6P201	3075
GL-8R04	3056
GL-9HD4	3169
GL-9HY2	3168♦
GL-9HY4	3171
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GO5-011-A	123A
GO5-015-D	128
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GO1211	177
GO1803	177
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GO3014	159
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GO5705	152
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GRU-2A	552
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GS2012H	152
GS2013G	152
GS2013-G	54
GS2013H	54
GS2013-H	54
GS2013-I	54
GS2014G	198
GS2014H	198
GS2014I	198
GS2015	379
GS2015D	379
GS2015E	379
GS2016	375
GS2016H	375
GS2017G	376♦
GS2017-G	376
GS2017H	376
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GS2051-G	153
GS2052	153
GS2052D	153
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GS2053-G	55
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GS2053-I	55
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GS9011-G	123AP
GS9011-H	123AP
GS9011I	123AP
GS9011J	123AP
GS9011L	123AP
GS9012G	159
GS9012H	159
GS9012-I	159

♦, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
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GS9014H	123AP
GS9014H/1	123AP
GS9014I	123AP
GS9014-J	123AP
GS9014J	123AP
GS9014-K	123AP
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GS9015I	159
GS9015J	159
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GS9018-G	108
GS9018G	108
GS9018H	108
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GS9019H	123AP
GS9019H/I	123AP
GS9019I	123AP
GS9019J	123AP
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GS9022F	159
GS9022G	159
GS9022H	159
GS9022H/I	159
GS9022I	159
GS9022J	159
GS9023	123AP
GS9023-1	123AP
GS9023-1/H	123AP
GS9023G	123AP
GS9023H	123AP
GS9023I	123AP
GS9023-I/H	123AP
GS9023J	123AP
GS9023K	123AP
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GS9024J	85
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GS9025J	123AP
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GS9027-G	399
GS9027H	399
GS9027-H(EBC)	399
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GS9032H	159
GS9032-I	159
GS9032-J	159
GS9033	123AP
GS9033H	123AP
GS9033-I	123AP
GS9033-J	123AP
GS9034	123AP
GS9034-I	123AP
GS9034-J	123AP
GS9034-K	123AP
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GS9036-E	69
GS9036-F	69
GS9036-G	69
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GSA15E	125
GSA15G	125
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GSA30B	156
GSA30C	156
GSA30E	156
GSA30G	156
GSA30J	156
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GSB10B	125
GSB10C	125
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GSB10G	125
GSB10J	125
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GSM53	116
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GSM483	116
GSR1	125
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H133SD	5652
H133SG	5652
H133SH	5642
H133SS	5652
H142	519
H143HX	5642
H143SC	5652
H143SD	5652
H143SG	5652
H143SH	5642
H143SS	5652
H153HX	5643
H153SH	5643
H153SS	5653
H163HX	5643
H163SH	5643
H163SS	5653
H200	116
H202B1	9672
H203B1	9671
H204B1	9660
H205B1	9673
H212B1	9681
H215B1	9678
H218B1	9680
H219B1	9677
H221(GE)	783
H222B1	9668
H224B1	9661
H254E4(Zenith)	116
H284D4(Zenith)	116
H300	116
H312K4(Zenith)	558
H315F4(Zenith)	116
H316	109
H316-1	548
H386-9	505
H386C1D2Y	505
H386C-12	505
H400	116
H402	541
H402-7	541
H442	108
H445-2	513
H484	513
H496	518
H500	116
H556	548
H569	541
H585	116
H598	503
H598-10	503
H600	116
H614-9	547
H615	113A
H616	116
H617	116
H618	116
H619	116
H620	116
H621	125
H623	177
H625	116
H626	116
H685	548
H685-1	548
H781	116
H783	116
H800	125
H815	506
H816	504
H843-2	547
H844-4	545§
H844-5	545§
H844-6	545§
H844-10	546§
H844-11	546§
H844-13	546§
H852-4	548
H-881	125
H889	177
H890	507
H891	116(3)
H909	177
H931	123A
H932	154
H933	123A
H934	123A
H1000	125
H1567	123A
H7126-3	116
H7337	153
H7618	188
H8287	110MP
H8287-4	110MP
H8513	177
H9423	123A
H9618	123A
H9623	123A
H9625	108
H9696	123A
H75450A	75450B
HA00052	100
HA00053	100
HA-00102	100
HA-00495	159
HA-00496	185
HA-00509	290A
HA00562	290A
HA-00562	290A
HA-00564	234
HA-00610	159
HA-00634	187
HA-00636	187
HA-00643	193
HA-00699	153
HA-00733	294
HA-00844	234
HA-0733	294
HA1-4156-5	948
HA1-4741-5	948
HA1-5064-5	859
HA1-5064A-5	859
HA1-5084-5	859
HA1-5084A-5	859
HA3-4156-5	948
HA3-4741-5	948
HA3-5064-5	859
HA3-5064A-5	859
HA3-5084-5	859
HA3-5084A-5	859
HA7-5062-5	858M
HA7-5062A-5	858M
HA7-5082-5	858M
HA7-5082A-5	858M
HA-12	100
HA12	160
HA-15	126A
HA15	100
HA30	160
HA49	100
HA-49	126A
HA50	116
HA52	126A
HA53	126A
HA54	102A
HA56	102A
HA70	160
HA74LS05P	74LS05
HA100	116
HA-101	126A
HA102	126A
HA103	126A
HA104	126A
HA178M05	960
HA178M06	962
HA178M08	964
HA178M12	966
HA178M15	968
HA178M18	958
HA178M24	972
HA200	116
HA201	126A
HA202	100
HA-234	160
HA235	126A
HA235A	160
HA240	160
HA266	160
HA267	160
HA-268	160
HA-269	126A
HA300	116
HA330	126A
HA342	126A
HA-350	126A
HA-350A	126A
HA-353	126A
HA-353C	126A
HA-354	126A
HA-354B	126A
HA400	116
HA471	126A
HA500	116
HA505	153
HA525	160
HA600	116
HA800	125
HA1000	125
HA1040	160
HA1101	726
HA1102	726
HA1103	704
HA1104	704
HA1108	1061
HA1110	901
HA1115	720
HA1115W	720
HA1117	1122
HA1118	1094
HA1119	1121
HA1124	712
HA1124D	712
HA1124DS	712
HA1124S	712
HA1125	712
HA1125A	712
HA1126	1004
HA1126D	1004
HA1126-D	1004
HA1126DW	1004
HA1126W	1004
HA1127	912
HA1128	712
HA1128E	712
HA1133	730
HA1137	788
HA1137P	788
HA1137W	788
HA1138	1494
HA1138PU	1494
HA1139	1080
HA1139A	1080
HA1140	1186
HA1141	712
HA1144	1213
HA1146	1004
HA1148	1229
HA1151	1237
HA1152	1080
HA1154	712
HA1156	801
HA1156-6C	801
HA1156-6F	801
HA1156-6H2	801
HA1156-6M2	801
HA1156W	801
HA1157	1122
HA1158	1094
HA1158-0	1094
HA1158-O	1094
HA1159	1121
HA1177	1196
HA1196	1484
HA1196U	1484
HA1197	1214
HA1199	1290
HA1199P	1290
HA1199PWE	1290
HA1201	1039
HA1202	1041
HA-1202	1041
HA1203	1042
HA1211	1040
HA1220A	610
HA1224A	611
HA1226A	612
HA1234A	613
HA1238A	614
HA1301	903
HA1302	784
HA1304	941
HA1306	1029
HA1306P	1029
HA1306P-U	1029
HA1306U	1029
HA1306W	1029
HA1306WU	1029
HA1308	1030§
HA1309	1030§
HA1310	1031
HA1311	1032
HA1311W	1032
HA1312	1033
HA1312W	1033
HA1313	1034
HA1314	1035

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
HA1316	1036
HA1318	1038
HA1318P	1038
HA1318P-U	1038
HA1318PU	1038
HA1318Pu	1038
HA1318PU-1	1038
HA1318PU-2	1038
HA1318PU-3	1038
HA1319	1043
HA-1322	1037
HA1322	1037
HA1322A	1037
HA1322C	1037
HA1325	1238§
HA1338	1030§
HA-1339	1169
HA1339	1169
HA1339A	1169
HA1342	1239
HA1342A	1239
HA1350(TRANS)	102A
HA1360	102A
HA1364	1231
HA1366	1260
HA1366R	1261
HA1366W	1260
HA1366WR	1261
HA1368	1283
HA1368G	1283
HA1368R	1284
HA1368RW	1284
HA1374	1397
HA1374A	1397
HA1374AU	1397
HA1374PU	1397
HA1377	1398
HA1377A	1398
HA1377AU	1398
HA1377PU	1398
HA1385A	1429
HA1385GS	1429
HA1388	1399
HA1388AS	1399
HA1388GS	1399
HA1389	1392
HA1389R	1393
HA1389RU	1393
HA1389U	1392
HA1392	1606
HA1393	1602
HA1398	1395
HA1398G	1395
HA1406	1660
HA1406PU	1660
HA1452PU	1480
HA1452W	1480
HA1457	1666
HA1457RW	1666
HA1457W	1666
HA1752	288
HA1920A	610
HA1924A	611
HA1926A	612
HA1934A	613
HA1938A	614
HA2001	312
HA2010	312
HA2190	160
HA2356	160
HA3210	160
HA3480	160
HA3670	160
HA-4156-5	948
HA4400	160
HA-4741-5	948
HA5001	101
HA5002	101
HA5003	101
HA5005	101
HA5009	101
HA5010	103A
HA5012	101
HA5016	103
HA5020	101
HA5021	101
HA5022	101
HA5023	101
HA5024	101
HA5025	101
HA5026	101
HA-5062-5	858M
HA-5062A-5	858M
HA-5064-5	859
HA-5064A-5	859
HA-5082-5	858M
HA-5082A-5	858M
HA-5084-5	859
HA-5084A-5	859
HA7530	129
HA7531	129
HA7630	129
HA7631	129
HA7632	129
HA9048	159
HA9049	159
HA9500	129
HA9501	129
HA9502	129
HA11107	712
HA11112	1189
HA11113	OBS-NLA
HA11115W	720
HA11123	1527
HA11123PU	1527
HA11211	1486
HA11211P	1486
HA11215	1469
HA11215A	1469
HA11215G	1469
HA11219	1543
HA11219GS	1543
HA11220	1405
HA11220GS	1405
HA11221	1492
HA11221M	1492
HA-11223	1482
HA11223	1482
HA11223G	1482
HA11223W	1482
HA11225	1488
HA11225GS	1488
HA11226	2000
HA11227	1565
HA11228	1213
HA11229	1575
HA11229G	1575
HA11235	1550
HA11235GS	1550
HA11238	1669
HA11238GS	1669
HA11238N	1669
HA11244	1544
HA11244GS	1544
HA11247	1296
HA11247GS	1296
HA11251	1490
HA11251GS	1490
HA11401	1401
HA11401GS	1401
HA11409	1593
HA11412	1473
HA11412A	1473
HA11412GS	1473
HA11414	1403
HA11414PU	1403
HA11423	1471
HA11423GS	1471
HA11431	1589
HA11434	1473
HA11434GS	1473
HA11436	1650
HA11436A	1650
HA11436AG	1650
HA11440	1725
HA11440A	1725
HA11440AG	1725
HA11441	1471*
HA11446	1650
HA11480	1650
HA11480A	1650
HA11516	1237
HA11516E	1237
HA11516E1	1237
HA11516J	1237
HA11516J4	1237
HA11580	1196
HA11580C	1196
HA11701	1585
HA11702	1583
HA11703	1595
HA11706	1597
HA11711	1591
HA11714	1600
HA11715	1554
HA11715GS	1554
HA11715PC	1554
HA11747	1706
HA11749	1686
HA11749M	1686
HA12002	1635
HA12003	1226
HA12013	1465
HA12026	1248
HA12402	1624
HA12411	1579
HA12411GS	1579
HA12412	1559
HA12412G	1559
HA12412GS	1559
HA12413	1557
HA12413-03	1557
HA12413G	1557
HA12413GS	1557
HA13102	1398
HA16631P	3470
HA17358	928M
HA17393	943M
HA17458	778A
HA17458GS	778A
HA17458PS	778A
HA17494	1729
HA17555	955M
HA17555GS	955M
HA17555PS	955M
HA17558	778A◆
HA17711	911D
HA17715M	915
HA17723	923D
HA17723G	923D
HA17723M	923
HA17723P	778A
HA-17741	941
HA17741G	941D
HA17741GS	941M
HA17741M	941
HA17741PS	941M
HA17747G	947D
HA17747M	947
HA17747P	947D
HA17805	960
HA17805P	960
HA17806	962
HA17806P	962
HA17808	964
HA17808P	964
HA17812	966
HA17812P	966
HA17815	968
HA17815P	968
HA17818	958
HA17818P	958
HA17824	972
HA17824P	972
HA17901G	834
HA17901P	834
HA17902G	987
HA17902P	987
HA17904	928M
HA17904PS	928M
HA78012AP	966
HAM-1	102A
HAR10	116
HAR15	116
HAR20	116
HAW1183B	176
HAW1183C	176
HB-00054	102A
HB-00056	102A
HB-00156	102A
HB-00171	102A
HB-00172	102A
HB-00173	102A
HB-00175	102A
HB-00176	102A
HB-00178	102A
HB-00186	102A
HB-00187	102A
HB-00324	158
HB-00405	158
HB-00561	298
HB-00564	187
HB2	116
HB3	116
HB32	102A
HB33	102A
HB54	102A
HB55	102A
HB56	102A
HB75	102A
HB75C	102A
HB77	102A
HB77B	102A
HB77C	102A
HB-85	102A
HB156	102A
HB156C	102A
HB171	102A
HB-172	102A
HB172	102A
HB-173	102A
HB-175	102A
HB175	102A
HB176	102A
HB178	102A
HB186	102A
HB187	102A
HB263	102A
HB270	102A
HB324	158
HB365	158
HB367	131
HB415	158
HB422	126A
HB459	102A
HB461	176
HB475	158
HB-475	158
HB8030	152
HBF4000	4000
HBF4000AE	4000
HBF4000AF	4000
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HBF4001AE	4001B
HBF4001AF	4001B
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HBF4002AE	4002B
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HBF4066	4066B
HC-000381	107
HC-00176	102A
HC-00184	313
HC-00227	123A
HC-00268	128
HC-00372	123A
HC-00373	199
HC-00380	107
HC-00381	107
HC-00394	229
HC-00461	229
HC-00496	184
HC-00509	128
HC-00535	229
HC-00536	199
HC-00537	123A
HC-00668	108
HC-00693	123A
HC-00711	199
HC-00730	101
HC-00732	199
HC-00735	123A
HC-00772	108
HC-00784	107
HC-00828	123A
HC-00829	107
HC00838	123A
HC-00839	108
HC-00871	123A
HC-00900	199
HC-00920	107
HC-00921	123A
HC-00923	199
HC-00924	123A
HC-00929	229
HC-00930	107
HC00930	229
HC-00945	123A
HC-01000	199
HC-01047	107
HC-01096	186
HC-01098	186
HC-01209	128
HC-01226	186
HC-01317	128
HC-01318	128
HC-01327	199
HC-01335	199
HC-01359	107
HC-01390	289A
HC-01417	107
HC-01449	295
HC-01674	229
HC-01675	229
HC-01820	123A
HC-01830	108
HC-09123	108
HC-2	558
HC2	558
HC-8	541
HC-10	541
HC-12	548
HC-23G	601
HC-30	116
HC30	156
HC39	156
HC50	156
HC-56	123A
HC67	116
HC68	116
HC69	116
HC71	116
HC72	125
HC73	125
HC80	116
HC206	108
HC371	123A
HC372	123A
HC373	123A
HC380	107
HC381	107
HC394	107
HC454	107
HC458	123A
HC460	107
HC461	107
HC495	152
HC500	116
HC515	124
HC535	107
HC535A	107
HC535B	107
HC537	107
HC539	123A
HC545	107
HC561	123A
HC645	108
HC668	108
HC670	116
HC680	116
HC700	116
HC710	116
HC720	125
HC730	125
HC772	108
HC784	107
HC829	108
HC-1449	295
HC7084	614
HC14070B	4070B
HC-50102	5402
HC100603	1019
HC1000100A	955M
HC1000109	703
HC1000109-0	703
HC1000111-0	703
HC1000114-0	726
HC1000117-0	718
HC1000217	941
HC1000217-0	941D
HC1000403	1005
HC1000417	799
HC1000503	1019
HC1000505	1085
HC1000603	1019
HC1000703	1027
HC1001001	1043
HC10001200	1170
HC10002050	1100
HC10003090	778A
HC10004010	801
HC10006060	1127
HC10006170	801
HC10008060	1254
HC10012030	1006
HC10015050	748A
HC10016050	130
HC10022010	1192
HC10023010	1239
HC10028030	1441
HC10034050	1192
HC10035030	1331
HC10051060	960
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HCF4001BE	4001B
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HCPL8100	3096
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HD-00471	289A
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HD14012B	4012B
HD14012BP	4012B
HD14013B	4013B
HD14013BP	4013B
HD14014B	4014B
HD14014BP	4014B
HD14015B	4015B
HD14015BP	4015B
HD14016B	4016B
HD14017B	4017B
HD14017BP	4017B
HD14018B	4018B
HD14018BP	4018B
HD14020B	4020B
HD14020BP	4020B
HD14021B	4021B
HD14021BP	4021B
HD14022B	4022B
HD14022BP	4022B
HD14023B	4023B
HD14023BP	4023B
HD14024B	4024B
HD14024BP	4024B
HD14025B	4025B
HD14025BP	4025B
HD14027B	4027B
HD14027BP	4027B
HD14028B	4028B
HD14028BP	4028B
HD14032B	4032B
HD14032BP	4032B
HD14034B	4034B
HD14034BP	4034B
HD14035B	4035B
HD14035BP	4035B
HD14038	4038B
HD14038BP	4038B
HD14040B	4040B
HD14040BP	4040B
HD14042B	4042B
HD14042BP	4042B
HD14043B	4043B
HD14043BP	4043B
HD14044B	4044B
HD14044BP	4044B
HD14049	4049
HD14049B	4049
HD14049P	4049
HD14050	4050B
HD14050B	4050B
HD14050P	4050B
HD14051B	4051B
HD14052B	4052B
HD14052BP	4052B
HD14053B	4053B
HD14053BP	4053B
HD14066B	4066B
HD14066BCP	4066B
HD14066BP	4066B
HD14066P	4066B
HD14068	4068B
HD14068B	4068B
HD14068P	4068B
HD14069	4069
HD14069B	4069
HD14069P	4069
HD14069UBP	4069
HD14070	4070B
HD14070B	4070B
HD14070BP	4070B
HD14070P	4070B
HD14071	4071B
HD14071B	4071B
HD14071P	4071B
HD14072	4072B
HD14072B	4072B
HD14072P	4072B
HD14073	4073B
HD14073B	4073B
HD14073P	4073B
HD14075B	4075B
HD14075P	4075B
HD14075BP	40175B
HD14076	4076B
HD14076P	4076B
HD14077	4077B
HD14077B	4077B
HD14077P	4077B
HD14078	4078B
HD14078B	4078B
HD14078P	4078B
HD14081	4081B
HD14081B	4081B
HD14081BP	4081B
HD14081P	4081B
HD14082	4082B
HD14082B	4082B
HD14082P	4082B
HD14093	4093B
HD14093BP	4093B
HD14093P	4093B
HD14094B	4094B
HD14094BP	4094B
HD14099	4099B
HD14099P	4099B
HD14160	40160B
HD14160P	40160B
HD14161	40161B
HD14161P	40161B
HD14162	40162B
HD14162P	40162B
HD14163	40163B
HD14163P	40163B
HD14174	40174B
HD14174B	40174B
HD14174P	40174B
HD14175	40175B
HD14175B	40175B
HD14175BP	40175B
HD14175P	40175B
HD14194	40194B
HD14194B	40194B
HD14194P	40194B
HD14501	4501
HD14501P	4501
HD14502	4502B
HD14502P	4502B
HD14503	40097B
HD14503B	40097B
HD14503BP	40097B
HD14506B	4506B
HD14506BP	4506B
HD14508	4508B
HD14508BP	4508B
HD14508P	4508B
HD14510	4510B
HD14510P	4510B
HD14511	4511B
HD14511B	4511B
HD14511P	4511B
HD14512	4512B
HD14512P	4512B
HD14514	4514B
HD14514P	4514B
HD14515	4515B
HD14515B	4515B
HD14515P	4515B
HD14516	4516B
HD14516B	4516B
HD14516P	4516B
HD14517B	4517B
HD14517BP	4517B
HD14518	4518B
HD14518P	4518B
HD14520	4520B
HD14520B	4520B
HD14520P	4520B

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
HD14522	4522B
HD14522P	4522B
HD14526B	4526B
HD14526BP	4526B
HD14527	4527B
HD14527P	4527B
HD14532B	4532B
HD14532BP	4532B
HD14539	4539B
HD14539P	4539B
HD14541B	4541B
HD14541BP	4541B
HD14547B	4547B
HD14555	4555B
HD14555B	4555B
HD14555P	4555B
HD14558B	4558B
HD14558BP	4558B
HD14566B	4566B
HD14568B	4568B
HD14568BP	4568B
HD14569B	4568B
HD14569BP	4569B
HD14583	4583B
HD14584BP	40106B
HD14585B	4585B
HD14585BP	4585B
HD17301	992
HD-20008	506
HD38991	2061§
HD38991A	2061§
HD42851	1254
HD42853	1253
HD46800	6800
HD46800P	6800
HD46802	6802
HD46802P	6802
HD46810	6810
HD46810P	6810
HD74107	74107
HD74107P	74107
HD74121	74121
HD74121P	74121
HD74123P	74123
HD74125	74125
HD74125P	74125
HD74126	74126
HD74126P	74126
HD74132	74132
HD74132P	74132
HD74145P	74145
HD74150	74150
HD74150P	74150
HD74151A	74151
HD74151AP	74151
HD74155	74155
HD74155P	74155
HD74156	74156
HD74156P	74156
HD74160	74160
HD74160P	74160
HD74161	74161
HD74161P	74161
HD74162	74162
HD74162P	74162
HD74163	74163
HD74163P	74163
HD74164	74164
HD74164P	74164
HD74166	74166
HD74166P	74166
HD74174	74174
HD74174P	74174
HD74175	74175
HD74175P	74175
HD74177P	74177
HD74180	74180
HD74180P	74180
HD74190	74190
HD74190P	74190
HD74191	74191
HD74191P	74191
HD74192	74192
HD74192P	74192
HD74193	74193
HD74193P	74193
HD74194	74S194
HD74194P	74S194
HD74198	74198
HD74198P	74198
HD74199	74199
HD74199P	74199
HD74293	74293
HD75188	75188
HD75188P	75188
HD75189	75189
HD75189P	75189
HD75450A	75450B
HD75450AP	75450B
HD75451A	75451B
HD75451AP	75451B
HD75452	75452B
HD75452P	75452B
HD75453	75453B
HD75453P	75453B
HD75454	75454B
HD75454P	75454B
HD200207	116
HD200301	116
HD472114-3	2114
HD472114-4	2114
HD472114P-3	2114
HD472114P-4	2114
HD-1000101	109
HD1000101-0	109
HD1000105	110MP
HD1000105-0	110MP
HD1000301	109
HD1000302	109
HD1000303	110MP
HD1000309	138A
HD-2000106	177
HD2000110	116
HD2000110-0	116
HD2000206	177
HD2000301	116
HD2000301-0	116
HD2000307	116
HD-2000308	116
HD2000413	116
HD2000501	116
HD2000510	116
HD2000610	116
HD2000703	116
HD2000710	113A
HD2000803	116(2)
HD2000903	116
HD2001105	177
HD2001310	116
HD2414800A	552
HD3000101-0	142A
HD3000113	5074A
HD3000201-0	5084A
HD-3000301	116
HD3000309	138A
HD3000309-0	138A
HD3000401	139A
HD-3000409	138A
HD3001009	5074A
HD3001109-0	144A
HD3001809	5074A
HD3002109	144A
HD3002409	142A
HD3003109	5072A
HD3003309	5010A
HD3033090	5011A
HD4000109	109
HD4000909	614
HD10000101	109
HD10000302	109
HD10001010	109
HD10001050	109
HD20000703	116
HD20000903	116
HD20001050	177
HD20001090	116
HD20001100	116
HD20001101	116
HD20001200	552
HD20001210	519
HD20001990	116
HD20002060	601
HD20003010	116
HD20003210	519
HD20005010	116
HD20005060	112
HD20005100	156
HD20006100	116(2)
HD20007030	116
HD20007100	116(2)
HD20007290	5809
HD20010060	552
HD20011050	177
HD20017090	139A
HD20022100	125
HD20023100	116
HD30000109-0	5074A
HD30001090	5074A
HD30001200	140A
HD30006060	140A
HD30007060	139A
HD30008010	5011A
HD30010090	5074A
HD30011090	144A
HD30015010	5014A
HD30017090	139A
HD30019090	138A
HD30021090	144A
HD30023090	5014A
HD30029090	5018A
HD30030010	5014A
HD30036090	137A
HD30042090	136A
HD30072090	5019A
HD30079090	5020A
HD40001060	614
HD40001330	612
HD40002060	611
HD40009090	614
HD40010090	614
HD40011090	614
HDI74C00	74C00
HDI74C04	74C04
HDI74C20	74C20
HDI74C76	74C76
HDI-4555-9	4555B
HDSP-3530	3062
HDSP3530	3062
HDSP-3531	3053
HDSP3531	3053
HDSP-4031	3055
HDSP4031	3055
HDSP-4820	3115
HDSP-4830	3115
HDSP-4840	3116
HE-00829	107
HE-00930	199
HE-1N34	109
HE-1N34A	109
HE-1N60	109
HE-1N60P	109
HE-1S188	109
HE-1S426	109
HE-1S446	109
HE-7	138A
HE-7A	138A
HE-56-56	519
HE-56-655	116
HE-234-264	552
HE-234-266	142A
HE-234-267	116
HE-234-271	297
HE-234-272	298
HE-234-273	171
HE-234-274	159
HE-234-275	123AP
HE-234-276	51
HE-234-290	123AP
HE-234-299	519
HE-234-353	553
HE-234-521	506
HE-234-522	123AP
HE-234-523	123AP
HE-234-526	558
HE-417-875	123AP
HE-442-627	977
HE-442-665	1917
HE-443-72	7417
HE-443-728	74LS00
HE-443-730	74LS74A
HE-443-732	74LS30
HE-443-752	74LS175
HE-443-754	74LS240
HE-443-755	74LS04
HE-443-757	74LS161A
HE-443-769	74LS164
HE-443-779	74LS02
HE-443-780	74LS08
HE-443-791	74LS244
HE-443-794	75188
HE-443-795	75189
HE-443-799	74LS157
HE-443-800	74LS27
HE-443-802	74LS257
HE-443-805	74LS273
HE-443-811	74LS125A
HE-443-816	74LS09
HE-443-837	74LS373
HE-443-839	74LS243
HE-443-857	74LS367
HE-443-863	74LS374
HE-443-864	74LS11
HE-443-872	74LS14
HE-443-875	74LS32
HE-443-877	74LS138
HE-443-879	74LS174
HE-443-885	74LS245
HE-443-891	74LS86
HE-443-892	74LS166
HE-443-915	74S86
HE-443-967	7406
HE-443-970	2164
HE-443-973	74LS393
HE-443-983	74S175
HE-443-991	4050B
HE-443-999	74LS624
HE-443-1001	74LS280
HE-443-1020	7407
HE-443-1021	8255
HE-443-1024	74LS368
HE-443-1034	74LS38
HE-443-1036	74LS156
HE-443-1040	96LS02
HE-443-1053	74S174
HE-443-1058	74LS541
HE-443-1112	9602
HE-443-1173	74LS670
HE-444-228	74S287
HE721C05	F1C005
HE721C12	F1C012
HE721C24	F1C024
HE-1002	109
HE-1024	109
HE4050P	4050B
HE9016H	108
HE-10001	109
HE-10002	109
HE-10003	109
HE-10024	109
HE-10025	109
HE-10027	109
HE-10030	177
HE-10040	109
HE-10041	612
HE-10044	110MP
HE-10045	110MP
HE-20011	116
HE-20049	138A
HE-20063	519
HE10001030	506
HEF4000BD	4000
HEF4000BP	4000
HEF4001BD	4001B
HEF4001BP	4001B
HEF4002BD	4002B
HEF4002P	4002B
HEF4006B	4006B
HEF4006BD	4006B
HEF4006BP	4006B
HEF4006P	4006B
HEF4007UBD	4007
HEF4007UBP	4007
HEF4008B	4008B
HEF4008BD	4008B
HEF4008BP	4008B
HEF4008P	4008B
HEF4011BD	4011B
HEF4011BP	4011B
HEF4011P	4011B
HEF4012BD	4012B
HEF4012BP	4012B
HEF4012P	4012B
HEF4013BD	4013B
HEF4013BP	4013B
HEF4013P	4013B
HEF4014B	4014B
HEF4014BP	4014B
HEF4014P	4014B
HEF4015BD	4514B
HEF4015BP	4514B
HEF4015P	4015B
HEF4016BD	4016B
HEF4016BP	4016B
HEF4017BD	4017B
HEF4017BP	4017B
HEF4017P	4017B
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HEF4022BP	4022B
HEF4022P	4022B
HEF4023BD	4023B
HEF4023BF	4023B
HEF4023BP	4023B
HEF4023P	4023B
HEF4024BD	4024B
HEF4024BP	4024B
HEF4024P	4024B
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HEF4025BP	4025B
HEF4025P	4025B
HEF4027BD	4027B
HEF4027BP	4027B
HEF4027P	4027B
HEF4028B	4028B
HEF4028BD	4028B
HEF4028BP	4028B
HEF4028P#1	4028B
HEF4028P#2	4028B
HEF4029B	4029B
HEF4029BP	4029B
HEF4029P	4029B
HEF4030BP	4030B
HEF4030P	4030B
HEF4035B	4035B
HEF4035BD	4035B
HEF4035BP	4035B
HEF4035P	4035B
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HEF4040BP	4040B
HEF4040P	4040B
HEF4041BD	4041
HEF4041BP	4041
HEF4042BD	4042B
HEF4042BP	4042B
HEF4042P	4042B
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HEF4043BP	4043B
HEF4043P	4043B
HEF4044B	4044B
HEF4044BD	4044B
HEF4044BP	4044B
HEF4044P	4044B
HEF4047B	4047B
HEF4047BD	4047B
HEF4047BP	4047B
HEF4049B	4049
HEF4049BD	4049
HEF4049BP	4049
HEF4050BD	4050B
HEF4050BP	4050B
HEF4051BD	4051B
HEF4051BP	4051B
HEF4052BD	4052B
HEF4052BP	4052B
HEF4053BD	4053B
HEF4053BP	4053B
HEF4066BC	4066B
HEF4066BD	4066B
HEF4068BD	4068B
HEF4068BP	4068B
HEF4068P	4068B
HEF4069P	4069
HEF4069UBD	4069
HEF4070BD	4070B
HEF4070BP	4070B
HEF4070P	4070B
HEF4071BD	4071B
HEF4071BP	4071B
HEF4071P	4071B
HEF4072BD	4072B
HEF4072BP	4072B
HEF4073B	4073B
HEF4073BD	4073B
HEF4073BP	4073B
HEF4073P	4073B
HEF4075B	4075B
HEF4075BD	4075B
HEF4075BP	4075B
HEF4076BD	4076B
HEF4076BP	4076B
HEF4076P	4076B
HEF4077B	4077B
HEF4077BD	4077B
HEF4077BP	4077B
HEF4077P	4077B
HEF4078BD	4078B
HEF4078BP	4078B
HEF4078P	4078B
HEF4081BD	4081B
HEF4081BP	4081B
HEF4081P	4081B
HEF4082BD	4082B
HEF4082BP	4082B
HEF4082P	4082B
HEF4085BD	4085B
HEF4085BP	4085B
HEF4085P	4085B
HEF4086B	4086B
HEF4086BD	4086B
HEF4086BP	4086B
HEF4086P	4086B
HEF4093BP	4093B
HEF4502BD	4502B
HEF4502BP	4502B
HEF4508BD	4508B
HEF4508BP	4508B
HEF4510B	4510B
HEF4510BD	4510B
HEF4510BP	4510B
HEF4511B	4511B
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HEF4511BP	4511B
HEF4512BD	4512B
HEF4512BP	4512B
HEF4515BD	4515B
HEF4515BP	4515B
HEF4516B	4516B
HEF4516BD	4516B
HEF4516BP	4516B
HEF4518BD	4518B
HEF4518BP	4518B
HEF4518P	4518B
HEF4520BD	4520B
HEF4520P	4520B
HEF4522BD	4522B
HEF4522BP	4522B
HEF4528B	4528B
HEF4528BD	4528B
HEF4528BP	4528B
HEF4531B	4531B
HEF4531BD	4531B
HEF4531BP	4531B
HEF4539BD	4539B
HEF4539BP	4539B
HEF4555BD	4555B
HEF4555BP	4555B
HEF4556B	4556B
HEF4556BP	4556B
HEF4585BD	4585B
HEF4585BP	4585B
HEF40097BD	40097B
HEF40097BP	40097B
HEF40097D	40097B
HEF40098BD	40098B
HEF40098BP	40098B
HEF40098P	40098B
HEF40160B	40160B
HEF40160BD	40160B
HEF40160BP	40160B
HEF40161B	40161B
HEF40161BD	40161B
HEF40161BP	40161B
HEF40162B	40162B
HEF40162BD	40162B
HEF40163B	40163B
HEF40163BD	40163B
HEF40163BP	40163B
HEF40174B	40174B
HEF40174BD	40174B
HEF40174BP	40174B
HEF40174P	40174B
HEF40175BD	40175B
HEF40175BP	40175B
HEF40175P	40175B
HEF40192BD	40192B
HEF40192BP	40192B
HEF40192P	40192B
HEF40193BD	40193B
HEF40193BP	40193B
HEF40193P	40193B
HEF40194BD	40194B
HEF40194BP	40194B
HEF40194P	40194B
HEF40195B	40195B
HEF40195BD	40195B
HEF40195BP	40195B
HE-M8489	177
HE-OA90	109
HEP-0700	112
HEP1	126A
HEP-2	160
HEP3	160
HEP50	123A
HEP51	129
HEP52	159
HEP53	123A
HEP54	123A
HEP55	123A
HEP56	108
HEP57	159
HEP-75	311
HEP101	140A
HEP102	134A
HEP103	137A
HEP104	139A
HEP105	142A
HEP134	109
HEP135	109
HEP151	5940
HEP153	5944
HEP154	116
HEP156	116
HEP157	116
HEP158	116
HEP159	125
HEP160	125
HEP161	5800
HEP162	5802
HEP165	113A
HEP166	115
HEP170	125
HEP175	166
HEP176	167
HEP177	168
HEP178	169
HEP200	104
HEP230	104
HEP231	105
HEP232	121
HEP233	105
HEP234	127
HEP235	127
HEP236	179
HEP-237	213
HEP240	124
HEP241	175
HEP242	129
HEP243	128
HEP244	157
HEP245	184
HEP246	185
HEP247	130
HEP-248	219
HEP250	102A
HEP251	102A
HEP252	102
HEP253	158
HEP254	158
HEP280	102A
HEP281	102A
HEP300	5470
HEP302	5472
HEP304	5501
HEP306	5504
HEP310	6400B
HEP311	6407
HEP320	5400
HEP340	5667A
HEP570	OBS-NLA
HEP572	9976
HEP573	9989
HEP581	9911
HEP590	816
HEP591	704
HEP-594	718
HEP594	718
HEP595	720
HEP-595	720
HEP602	135A
HEP603	136A
HEP604	141A
HEP605	143A
HEP606	144A
HEP607	145A
HEP608	146A
HEP609	147A
HEP610	148A
HEP611	149A
HEP612	150A
HEP613	151A
HEP620	5515
HEP621	5515
HEP622	5446
HEP623	121
HEP624	121
HEP-625	179
HEP-626	179
HEP627	179
HEP628	121
HEP629	102
HEP630	102
HEP631	102
HEP632	102
HEP633	102
HEP634	102A
HEP635	126A
HEP636	126A
HEP637	160
HEP638	126A
HEP639	126A
HEP640	126A
HEP641	101
HEP642	131
HEP643	131
HEP700	185
HEP701	184
HEP702	218
HEP703	175
HEP704	130
HEP-705	219
HEP706	154
HEP707	162
HEP708	159
HEP709	161
HEP710	129
HEP712	154
HEP713	154
HEP714	190
HEP715	159
HEP716	159
HEP717	159
HEP718	108
HEP719	161
HEP720	108
HEP721	107
HEP722	108
HEP723	108
HEP724	123A
HEP725	123A
HEP726	199
HEP727	108
HEP728	123A
HEP729	123A
HEP730	199
HEP731	107
HEP732	107
HEP733	108
HEP734	107
HEP735	123A
HEP736	128
HEP737	199
HEP738	123A
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HI63HX	5643
HI63SH	5643
HI FI	116
HIFI	116
HIT5609C	85
HIT8550B	159
HIT9011	123AP
HIT9011G	123AP
HIT9011H	123AP
HIT9012E	159
HIT9013G	85
HIT9014	123AP
HIT9014A	123AP
HIT9014B	123AP
HIT9014C(EBC)	199
HIT9014D(EBC)	199
HIT9014N	123AP
HIT9015	159
HIT9016G	108
HJ15	102A
HJ15D	160
HJ17	102A
HJ17D	102A
HJ22	102A
HJ22D	102A
HJ23	102A
HJ23D	102A
HJ32	160
HJ34	160
HJ34A	160
HJ35	104
HJ37	160
HJ41	100
HJ43	102A
HJ50	102A
HJ51	102A
HJ54	102A
HJ55	160
HJ56	160
HJ57	160
HJ60	102A
HJ60A	160
HJ60C	160
HJ62	102A
HJ70	160
HJ71	158

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
HJ72	158
HJ73	158
HJ74	158
HJ226	158
HJ228	158
HJ230	158
HJ315	158
HJ606	102A
HJ-7620	74S570
HJX2	102A
HK-00049	312
HK-00330	312
HK/01-140012	116
HK/05-506512	123AP
HK/05-508533	123AP
HK/05-518534	123AP
HK/13-12002-0	110MP
HK/13-14602-D9	159
HK/13-22154	610
HK/13-22463-1	116
HK/13-23309-4	123AP
HK/13-23510	123AP
HK/13-23510-3	123AP
HK/13-23511	159
HK/13-23511-5	159
HK/13-23713-8	159
HK/13-25510	287
HK/13-25510-4	287
HK/13-25702-M9	123AP
HK/13-25802-M9	159
HK/13-35502-B5	229
HK3405	407
HK3406	408
HK3407	409
HK3408	416
HK3409	416
HK/1322463	116
HK/43500501	5016A
HK/43600201	116
HK/44436001	186A
HKC0116B/C	159
HK/C0117B/C/D	123AP
HK/CG001	110MP
HK/CG014	110MP
HK/CG019	110MP
HK/CG109	116
HK/CG111	610
HK/CG205	613
HK/CG207	519
HK/CJ032	102A
HK/CJ166	229
HK/CJ170	123AP
HK/CJ180	123AP
HK/CJ322	123AP
HK/CJ326	123AP
HK/CJ392	126A
HK/CO075M/N	159
HK/CQ003B	229
HK/CQ032H	123AP
HK/CQ041A	123AP
HK/CQ041AB	123AP
HK/CQ041B	123AP
HK/CQ041C	123AP
HK/CQ041D	123AP
HK/CQ042B	229
HK/CQ043A	159
HK/CQ043B	159
HKCQ043C	159
HK/CQ043D	159
HK/CQ048G	229
HK/CQ055	123AP
HK/CQ074	123AP
HK/CQ074M	123AP
HK/CQ074M/CQ75	123AP + 159(CP)
HK/CQ074M/N	123AP
HK/CQ074O	123AP
HK/CQ075	159
HK/CQ075M	159
HK/CQ075M/N	159
HK/CQ095F	229
HK/CQ097	152
HK/CQ10H	123AP
HK/CQ10I	123AP
HK/CQ106	185
HK/CQ107	184
HK/CQ109H	159
HK/CQ109I	159
HK/CQ110	123A
HK/CQ113B	229
HKCQ116B/C	159
HK/CQ116B/C	123AP
HK/CQ117	123AP
HK/CQ117B	123AP
HK/CQ117C	123AP
HK/CQ117C/D	123AP
HK/CQ410	123AP
HKT-158	123A
HKT-161	123A
HK/VQ042B	229
HL18998	7400
HL18999	7474
HL19000	7404
HL19001	7410
HL19002	7473
HL19003	7420
HL19004	7402
HL19005	7403
HL19006	7493A
HL19008	74121
HL19009	7442
HL19010	7476
HL19011	7440
HL19012	7475
HL19013	7430
HL19014	7486

To Be Replaced	ECG Replacement
HL19015	7490
HL24510	941
HL24592	925
HL24593	941
HL24630	909
HL53424	9930
HL53426	9935
HL53428	9944
HL53429	9946
HL55660	7411
HL-55661	74S00
HL55663	74S138
HL55723	74S153
HL55763	7408
HL55764	74153
HL55861	74150
HL55862	7404
HL56320	74S10
HL56420	7400
HL56421	7404
HL56422	7420
HL56423	7430
HL56424	7438
HL56425	7474
HL56426	7485
HL56427	7495
HL56429	74192
HL56430	74193
HL56431	74H106
HL56842	7483
HL56899	7410
HM-00049	100
HM-08014	102A
HM1-6508-5	6508
HM1-6508-9	6508
HM1-7602	74S188
HM1-7602-5	74S188
HM1-7603	74S288
HM1-7603-5	74S288
HM1-7610	74S387
HM1-7610-5	74S387
HM1-7610A	74S387
HM1-7610A-5	74S387
HM1-7611	74S287
HM1-7611-5	74S287
HM1-7611A	74S287
HM1-7611A-5	74S287
HM1-7620	74S570
HM1-7620-5	74S570
HM1-7620A	74S570
HM1-7620A-5	74S570
HM1-7621	74S571
HM1-7621-5	74S571
HM1-7621A	74S571
HM1-7621A-5	74S571
HM1-7640	74S475
HM1-7640-5	74S475
HM1-7640A	74S475
HM1-7640A-5	74S475
HM1-7641	74S474
HM1-7641-5	74S474
HM1-7641A	74S474
HM1-7641A-5	74S474
HM1-7642	74S572
HM1-7642-5	74S572
HM1-7642A	74S572
HM1-7642A-5	74S572
HM1-7643	74S573
HM1-7643-5	74S573
HM1-7643A	74S573
HM1-7643A-5	74S573
HM1-7648	74S473
HM1-7648-5	74S473
HM1-7649	74S472
HM1-7649-5	74S472
HM1-7680	74S479
HM1-7680-5	74S479
HM1-7681	74S478
HM1-7681-5	74S478
HM1-7685	74S454
HM1-7685-5	74S454
HM-2	601
HM3-6508-5	6508
HM3-6508-9	6508
HM3-7602	74S188
HM3-7602-5	74S188
HM3-7603	74S288
HM3-7603-5	74S288
HM3-7610	74S387
HM3-7610-5	74S387
HM3-7610A	74S387
HM3-7610A-5	74S387
HM3-7611	74S287
HM3-7611-5	74S287
HM3-7611A	74S287
HM3-7611A-5	74S287
HM3-7620	74S570
HM3-7620-5	74S570
HM3-7620A	74S570
HM3-7620A-5	74S570
HM3-7621	74S571
HM3-7621-5	74S571
HM3-7621A	74S571
HM3-7621A-5	74S571
HM3-7640	74S475
HM3-7640-5	74S475
HM3-7640A	74S475
HM3-7640A-5	74S475
HM3-7641	74S474
HM3-7641-5	74S474
HM3-7641A	74S474
HM3-7641A-5	74S474
HM3-7642	74S572
HM3-7642-5	74S572
HM3-7642A	74S572

To Be Replaced	ECG Replacement
HM3-7642A-5	74S572
HM3-7643	74S573
HM3-7643-5	74S573
HM3-7643A	74S573
HM3-7643A-5	74S573
HM3-7648	74S473
HM3-7648-5	74S473
HM3-7649	74S472
HM3-7649-5	74S472
HM3-7680	74S479
HM3-7680-5	74S479
HM3-7681	74S478
HM3-7681-5	74S478
HM3-7685	74S454
HM3-7685-5	74S454
HM6.8	5014A
HM6.8A	5014A
HM7.5	5015A
HM7.5A	5015A
HM8.2	5016A
HM8.2A	5016A
HM9.1	5018A
HM9.1A	5018A
HM9.1B	139A
HM10	5019A
HM10A	5019A
HM10B	140A
HM11	5020A
HM11A	5020A
HM12	5021A
HM12A	5021A
HM12B	142A
HM13	5022A
HM13A	5022A
HM15	5024A
HM15A	5024A
HM15B	145A
HM16	5025A
HM16A	5025A
HM18	5027A
HM18A	5027A
HM20	5029A
HM20A	5029A
HM22	5030A
HM22A	5030A
HM24	5031A
HM24A	5031A
HM27	5033A
HM27A	5033A
HM27B	146A
HM30	5035A
HM30A	5035A
HM33	5036A
HM33A	5036A
HM36	5037A
HM36A	5037A
HM39	5038A
HM39A	5038A
HM43	5039A
HM43A	5039A
HM47	5040A
HM47A	5040A
HM51	5041A
HM51A	5041A
HM56	5042A
HM56A	5042A
HM62	5044A
HM62A	5044A
HM68	5045A
HM68A	5045A
HM75	5046A
HM75A	5046A
HM82	5047A
HM82A	5047A
HM91	5049A
HM91A	5049A
HM100	5050A
HM100A	5050A
HM110	5051A
HM110A	5051A
HM120	5052A
HM120A	5052A
HM130	5053A
HM130A	5053A
HM150	5055A
HM150A	5055A
HM160	5056A
HM160A	5056A
HM180	5058A
HM180A	5058A
HM200	5060A
HM200A	5060A
HM2501	7481
HM4704-1	2104
HM4704-2	2104
HM4704P-1	2104
HM4704P-2	2104
HM4711-3	2107
HM4711P-3	2107
HM4716	2117
HM4716-3	2117
HM4716-4	2117
HM4716P	2117
HM4716P-3	2117
HM4716P-4	2117
HM4847	2147
HM4847-2	2147
HM4847-3	2147
HM4847P	2147
HM4847P-2	2147
HM4847P-3	2147
HM4864	2164
HM4864-2	2164
HM4864-3	2164
HM4864A	2164

To Be Replaced	ECG Replacement
HM4864A-15	2164
HM4864A-20	2164
HM4864AN-15	2164
HM4864AP	2164
HM4864AP-15	2164
HM4864AP-20	2164
HM4864P	2164
HM4864P-2	2164
HM4864P-3	2164
HM4865A	6664
HM4865AP	6664
HM4865AP-15	6664
HM4865AP-20	6664
HM6116	2128
HM6116-3	2128
HM6116-4	2128
HM6116P-3	2128
HM6116P-4	2128
HM6508-5	6508
HM6508-9	6508
HM-7602	74S188
HM-7603	74S288
HM-7610	74S387
HM-7610A	74S387
HM-7611	74S287
HM-7611A	74S287
HM-7620A	74S570
HM-7621	74S571
HM-7621A	74S571
HM-7640	74S475
HM-7640A	74S475
HM-7641	74S474
HM-7641A	74S474
HM-7642	74S572
HM-7643	74S573
HM-7648	74S473
HM-7649	74S472
HM-7680	74S479
HM-7681	74S478
HM-7685	74S454
HM435101	65101 ◆
HM435101-1	65101 ◆
HM435101P	65101 ◆
HM435101P-1	65101 ◆
HM452102	2102
HM452102-3	2102
HM452102-4	2102
HM452102P	2102
HM452102P-3	2102
HM452102P-4	2102
HM462708	2708
HM462708G	2708
HM462716	2716
HM462716G	2716
HM472114-3	2114
HM472114-4	2114
HM472114P-3	2114
HM472114P-4	2114
HN-00002	177
HN-00003	109
HN-00005	142A
HN-00008	116
HN-0002	177
HN-00012	139A
HN-00018	116
HN-00024	139A
HN-00028	177
HN-00029	116
HN-00032	116
HN-00045	614
HN-00052	610
HN-00053	601
HN-00061	140A
HN-00062	611
HN-00089	519
HN-00092	612
HN-0047	177
HN-00101	136A
HN25044	74S572
HN25045	74S573
HN25085	74S454
HN25085S	74S454
HN25088	74S479
HN25088S	74S479
HN25089	74S478
HN25089S	74S478
HN462532	2532
HN462532G	2532
HN462532G-2	2532
HN462532G4Q	2532
HN462732	2732
HN462732-2	2732
HN462732G	2732
HN462732G-2	2732
HN482732A	2732
HN482732A-20	2732
HN482732A-25	2732
HN482732A-30	2732
HN482732AG-20	2732
HN482732AG-25	2732
HN482764	2764
HN482764-3	2764
HN482764-4	2764
HN482764G	2764
HN482764G-3	2764
HN482764G-4	2764
HNIL301AJ	9301
HNIL301AL	9301
HNIL301CJ	9301
HNIL301CL	9301
HNIL302AJ	9302
HNIL302AL	9302
HNIL302CJ	9302
HNIL302CL	9302
HNIL303AJ	9303

To Be Replaced	ECG Replacement
HNIL303AL	9303
HNIL303CJ	9303
HNIL303CL	9303
HNIL304AJ	9304
HNIL304AL	9304
HNIL304CJ	9304
HNIL304CL	9304
HNIL306AJ	9306
HNIL306AL	9306
HNIL306CJ	9306
HNIL306CL	9306
HNIL307AJ	9307
HNIL307AL	9307
HNIL307CJ	9307
HNIL307CL	9307
HNIL311AJ	9311
HNIL311AL	9311
HNIL311CJ	9311
HNIL311CL	9311
HNIL312AJ	9312
HNIL312AL	9312
HNIL312CJ	9312
HNIL312CL	9312
HNIL321AJ	9321
HNIL321AL	9321
HNIL321CJ	9321
HNIL321CL	9321
HNIL322AJ	9322
HNIL322AL	9322
HNIL322CJ	9322
HNIL322CL	9322
HNIL323AJ	9323
HNIL323AL	9323
HNIL323CJ	9323
HNIL323CL	9323
HNIL324AJ	9324
HNIL324AL	9324
HNIL324CJ	9324
HNIL324CL	9324
HNIL325AJ	9325
HNIL325AL	9325
HNIL325CJ	9325
HNIL325CL	9325
HNIL326AJ	9326
HNIL326AL	9326
HNIL326CJ	9326
HNIL326CL	9326
HNIL331AJ	9331
HNIL331AL	9331
HNIL331CJ	9331
HNIL331CL	9331
HNIL332AJ	9332
HNIL332AL	9332
HNIL332CJ	9332
HNIL332CL	9332
HNIL333AJ	9333
HNIL333AL	9333
HNIL333CJ	9333
HNIL333CL	9333
HNIL334AJ	9334
HNIL334AL	9334
HNIL334CJ	9334
HNIL334CL	9334
HNIL335AJ	9335
HNIL335AL	9335
HNIL335CJ	9335
HNIL335CL	9335
HNIL342AJ	9342
HNIL342AL	9342
HNIL342CJ	9342
HNIL342CL	9342
HNIL343AJ	9343
HNIL343AL	9343
HNIL343CJ	9343
HNIL343CL	9343
HNIL347AJ	9347
HNIL347AL	9347
HNIL347CJ	9347
HNIL347CL	9347
HNIL361AJ	9361
HNIL361AL	9361
HNIL361CJ	9361
HNIL361CL	9361
HNIL363AJ	9363
HNIL363AL	9363
HNIL363CJ	9363
HNIL363CL	9363
HNIL367AJ	9367
HNIL367AL	9367
HNIL367CJ	9367
HNIL367CL	9367
HNIL368AJ	9368
HNIL368AL	9368
HNIL368CJ	9368
HNIL368CL	9368
HNIL370AJ	9370
HNIL370AL	9370
HNIL370CJ	9370
HNIL370CL	9370
HNIL371AJ	9371
HNIL371AL	9371
HNIL371CJ	9371
HNIL371CL	9371
HNIL372AJ	9372
HNIL372AL	9372
HNIL372CJ	9372
HNIL372CL	9372
HNIL375AJ	9375
HNIL375AL	9375
HNIL375CJ	9375
HNIL375CL	9375
HNIL380AJ	9380
HNIL380AL	9380
HNIL380CJ	9380
HNIL380CL	9380

To Be Replaced	ECG Replacement
HNIL381AJ	9381
HNIL381AL	9381
HNIL381CJ	9381
HNIL381CL	9381
HNIL382AJ	9382
HNIL382AL	9382
HNIL382CJ	9382
HNIL382CL	9382
HNIL383AJ	9383
HNIL383AL	9383
HNIL383CJ	9383
HNIL383CL	9383
HNIL390AJ	9390
HNIL390AL	9390
HNIL390CJ	9390
HNIL390CL	9390
HNIL391AJ	9391
HNIL391AL	9391
HNIL391CJ	9391
HNIL391CL	9391
HNIL392AJ	9392
HNIL392AL	9392
HNIL392CJ	9392
HNIL392CL	9392
HNIL393AJ	9393
HNIL393AL	9393
HNIL393CJ	9393
HNIL393CL	9393
HNIL394AJ	9394
HNIL394AL	9394
HNIL394CJ	9394
HNIL394CL	9394
HO300	127
HP-5A	116
HP205	116
HP2301	583
HP2302	583
HP2303	583
HP2305	583
HP2800	583
HP2800-28	583
HP2810	584
HP2810-26	584
HP2811	584
HP2835	112
HP2900	584
HP5082-2800	583
HP5082-2810	584
HP5082-4360	3087
HP-20123	177
HPF1025	723
HPF1778	1749
HR-05A	116
HR-1	102A
HR-2	102A
HR-2A(Penncrest)	116
HR-2A(Transistor)	102A
HR-2A(Diode)	116
HR-3	102A
HR-4	102A
HR-4A	102A
HR-5	102A
HR-5A	116
HR5A	116
HR5A8E	116
HR-5AX2	116
HR5B	116
HR-5B	116
HR-6	102A
HR-7	102A
HR-7A	102A
HR-8	102A
HR-8A	102A
HR-9	102A
HR-9A	102A
HR10	116
HR11	116
HR-11	123A
HR-11A	123A
HR-11B	123A
HR12A	128
HR12B	128
HR12C	128
HR12D	128
HR12E	128
HR12F	128
HR13	116
HR-13	123A
HR-13A	123A
HR-14	199
HR-14A	123A
HR-15	199
HR-15A	123A
HR-16	123A
HR-16A	123A
HR-17	123A
HR-17A	123A
HR-18	123A
HR-18A	123A
HR-19	123A
HR-19A	123A
HR-19E	179
HR-20	160
HR-20A	160
HR-21	160
HR-21A	160
HR-22	160
HR-22A	160
HR-22B	160
HR-24	160
HR-24A	160
HR-25	160
HR-25A	160
HR-26	160
HR-26A	160

To Be Replaced	ECG Replacement
HR-27	160
HR-27A	160
HR28	128
HR29	128
HR30	158
HR-32	123A
HR-36	123A
HR36	123A
HR-37	123A
HR-38	123A
HR-39	102A
HR40	160
HR41	160
HR42	160
HR43	160
HR44	160
HR45	160
HR46	160
HR-47	199
HR47	199
HR-48	123A
HR50	160
HR51	160
HR52	160
HR53	102A
HR58	108
HR59	108
HR60	108
HR61	102A
HR62	123A
HR63	123A
HR64	123A
HR65	123A
HR66	123A
HR-67	192
HR-68	196
HR-69	186
HR-70	187
HR-71	159
HR71	159
HR72	193
HR-72	193
HR-73	210
HR-74	211
HR-75	199
HR76	229
HR77	229
HR78	229
HR79	107
HR80	107
HR81	128
HR82	192
HR83	192
HR84(NPN)	123A
HR84(PNP)	159
HR85	210
HR86	211
HR87	229
HR101	104
HR-101A	121
HR102	121
HR102C	121
HR103	121
HR105	121
HR105A	121
HR105B	121
HR106	124
HR107	124
HR-107(Philco)	175
HR107H	175
HR-200	5802
HR200	5082A
HR40836	160
HR40837	160
HR43835	160
HR45838	160
HR45910	160
HR45913	160
HR104961C	187
HR105611C	193
HR448636	160
HS0000206	601
HS07	5427 ◆
HS1/7	118
HS1/9	118
HS5	102A
HS6/1	502
HS-7/1	118
HS7/17N	118
HS-8/1	118
HS9/1	118
HS9/17N	505
HS10/1	503
HS-15	102
HS15(Sanyo)	503
HS15/1	505
HS15/1(Sony)	502
HS15/1a(Sony)	502
HS15/1b	502
HS15-1C	503
HS15/1c	503
HS15/1C	503
HS15/16	503
HS17	5427 ◆
HS17D	102A
HS-20	505
HS20	502
HS20(Sony)	505
HS20-1	505
HS20/1	505
HS20-1a	505
HS20/1aS	505
HS20/1b	505
HS20/1B	505
HS20-1bS	505

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
HS20/1C	505
HS20/16S	505
HS-22D	102
HS23/1	505
HS23D	102
HS25-1	505
HS25/1aS	505
HS25/1b	504
HS25/1B	505
HS25/1BS	505
HS25/1c	505
HS25/1C	505
HS25-1C	505
HS25/16	505
HS27	5427♦
HS30	504
HS30-1b	504
HS30/1C	505
HS30-1C	505
HS30-16	504
HS-30/16	504
HS37	5428♦
HS47	5428♦
HS57	5429♦
HS67	5429♦
HS102	102A
HS133	112
HS151a(Sony)	502
HS170	102
HS251C	505
HS290	102
HS902A	112
HS1001	116
HS1002	116
HS1003	116
HS1007	116
HS1008	116
HS1009	116
HS1010	116
HS1012	116
HS1020	116
HS-1168	123A
HS-1225	108
HS-1226	108
HS-1227	108
HS-1229	123A
HS2027	5002A
HS2033A	5005A
HS2036	134A
HS2039	134A
HS2047	135A
HS2051	135A
HS2056	136A
HS2062	137A
HS2091	139A
HS2100	140A
HS2120	142A
HS2150	145A
HS2270	146A
HS2330	147A
HS2516	505
HS3103	116
HS3104	116
HS3108	125
HS3110	125
HS3402	192
HS3403	192
HS3404	192
HS3405	192
HS5404	159
HS5810	192
HS5811	193
HS5812	192
HS5813	193
HS5814	192
HS5815	193
HS5816	192
HS5817	193
HS5818	192
HS5819	193
HS5820	192
HS5821	193
HS5822	192
HS5823	193
HS6010	192
HS6011	193
HS6012	192
HS6013	193
HS6014	192
HS6015	193
HS6016	192
HS6017	193
HS6112	129
HS7027	5002A
HS7033	5005A
HS7036	134A
HS7039	134A
HS7051	135A
HS7056	136A
HS7062	137A
HS7091	139A
HS7100	140A
HS7120	142A
HS7150	145A
HS7270	146A
HS7330	147A
HS-40014	123AP
HS-40016	123AP
HS-40017	108
HS-40019	108
HS-40020	108
HS40021	161
HS40022	161
HS40023	161
HS40024	161
HS40025	161
HS40026	128
HS-40027	159
HS-40030	123AP
HS-40031	159
HS40032	129
HS-40035	159
HS-40037	123A
HS-40039	128
HS-40040	159
HS-40044	123A
HS-40045	108
HS-40046	123A
HS40046	123A
HS-40047	108
HS40049	108
HS-40050	159
HS-40053	106
HS-40054	229
HS-40055	108
HS-40056	123AP
HS-40057	290A
HS-40059	108
HS-40060	123AP
HS-40062	159
HS-40063	123AP
HS-40064	123AP
HS-40065	192
HS-90028	159
HSB27B	5427
HSB47D	5428
HSB67M	5429
HSC-1	156
HSE125-RT	123A
HSE126	128
HSE127	129
HSE128	129
HSE130-RT	123
HSE131-RT	123A
HSE133-RT	123A
HSE134-RT	123A
HSE135-RT	123A
HSE139-RT	123A
HSE140	129
HSE141	129
HSE144-RT	123A
HSE147	123A
HSE148	123A
HSE149	129
HSE150-RT	396
HSE151-RT	154
HSE152	129
HSE153	129
HSE163-RT	123A
HSE164	123A
HSE166-RT	123A
HSE169	129
HSE171-RT	123A
HSE174	129
HSE175	383
HSE178	154
HSE185	129
HSE186	128
HSE191	129
HSE193	397
HSE194	397
HSE210-RT	123A
HSE211	159
HSE217-RT	123A
HSE218-RT	123A
HSE220-RT	123A
HSE223	159
HSE224	159
HSE226	159
HSE307-RT	123A
HSE311-RT	123A
HSE317-RT	123A
HSE401	123AP
HSE402	159
HSE403	159
HSE405	123AP
HSE408	123AP
HSE410	159
HSE411	123AP
HSE412	123AP
HSE414	159
HSE415	123AP
HSE416	123AP
HSE417	123AP
HSE418	123AP
HSE422	108
HSE423	123AP
HSE424	123AP
HSE450-RT	289A
HSE453-RT	289A
HSE454-RT	289A
HSE455-RT	289A
HSE456-RT	289A
HSE1300	126A
HSE1301	126A
HSFD1	506
HSFD-1A	116
HSFD-1A(Sony)	506
HSFD-1Z(Sony-Standby)	116
HSFD-1Z(Sony-Blanking)	506
HSM2835	596
HSM2836	596
HSM2837	595
HSM2838	595
HSS1	502
HSZ1D10	B40240
HSZ1D25	B40240
HSZ1D40	B40240
HSZ2D10	B40240
HSZ2D25	B40240
HSZ2D40	B40240
HSZ4D10	B40480
HSZ4D25	B40480
HSZ4D40	B40480
HT0405190C	103A + 158(CP)
HT-23G	177
HT-32	6408
HT-35	6408
HT-40	6411
HT-60	6412
HT100	159
HT101	159
HT400	123A
HT401	123A
HT20436A	131
HT20451A	158
HT30491C	128
HT30494	130
HT30494X	130
HT36441B	199
HT101011X	126A
HT101021A	126A
HT102341	160
HT102341A	160
HT102341B	160
HT102341C	160
HT102351	160
HT102351A	160
HT103501	160
HT103501A	126A
HT103531C	126A
HT103541B	126A
HT104731Y0	153
HT104861	128
HT104861A	128
HT104861B	128
HT104891A0	242
HT104941B-0	159
HT104941C0	159
HT104941C-0	159
HT104942A	159
HT104951A-0	159
HT104951B	159
HT104951B-0	159
HT104951B0	159
HT104951C	159
HT104951C0	159
HT104961B	185
HT104961C	184
HT104971A0	129
HT104971A-0	129
HT105611	159
HT105611A	159
HT105611B	159
HT105611B0	159
HT105611C	159
HT105612B	159
HT105621B0	159
HT105621B-0	159
HT105641C	234
HT105641D	234
HT105641H	234
HT105642B	234
HT106082A0	288
HT106731B	159
HT106731B0	290A
HT107211T	234
HT107222A0	234
HT107331Q0	294
HT107331R0	159
HT107701B0	153
HT200540	102A
HT200540A	102A
HT200541	102A
HT200541A	102A
HT200541B	102A
HT200541B-0	102A
HT200541C	160
HT200561	102A
HT200561A	102A
HT200561B	102A
HT200561C	102A
HT200561C-0	102A
HT200751B	102A
HT200770B	102A
HT200771	102A
HT200771A	102A
HT200771B	102A
HT200771C	102A
HT201721A	102A
HT201721D	102A
HT201725A	102A
HT201782A	102A
HT201861A	102A
HT201871L	102A
HT203243A	158
HT203701	102A
HT203701A	102A
HT203701B	102A
HT204051	158
HT204051B	158
HT204051C	158
HT204051D	158
HT204051E	158
HT204053	158
HT204053A	158
HT204053B	158
HT204736	131
HT205492B0	374
HT206882A0	37
HT301451L0	199
HT303620B	123A
HT303711A	107
HT303711A0	123A
HT303711A-0	108
HT303711B	107
HT303711B-0	123A
HT303711B0	123A
HT303711C	107
HT303720A	108
HT303721-0	123A
HT303721D	123A
HT303730	123A
HT303730A	123A
HT303731A0	199
HT303732A0	199
HT303801	107
HT303801A	107
HT303801A0	107
HT303801B	107
HT303801B-0	107
HT303801B0	107
HT303801C	107
HT303801C0	107
HT303941	108
HT303941A	108
HT303941B	108
HT304501B0	107
HT304531	123A
HT304531A	123A
HT304531B	123A
HT304531C	123A
HT304540A0	108
HT304540B0	123A
HT304580	123A
HT304580A	123A
HT304580B	123A
HT304580C0	123A
HT304580K	123A
HT304580Y0	123A
HT304580Z	123A
HT304581	123A
HT304581A	123A
HT304581B	123A
HT304581B-0	123A
HT304581C	123A
HT304601B0	233
HT304601C0	108
HT304611B	108
HT304861	128
HT304861A	128
HT304861B	123A
HT304911	175
HT304911A	175
HT304911B	175
HT304941X	130
HT304951D0	295
HT304961B	184
HT304961C	184
HT304961C-0	186
HT304971A	128
HT304971A0	128
HT304971B	128
HT305091Y0	289A
HT305351B0	233
HT305351C0	108
HT305352B0	107
HT305360F0	47
HT305361E	123A
HT305361G	123A
HT305371E	123A
HT305642B	234
HT306441	123A
HT306441A	123A
HT306441A0	128
HT306441B	123A
HT306441B-0	123A
HT306441B0	123A
HT306441C	123A
HT306441C-0	123A
HT306442A	199
HT306442B	199
HT306442B0	199
HT306451	108
HT306451A	107
HT306451B	108
HT306681C	108
HT306962A-0	108
HT307321A	123A
HT307321B-0	123A
HT307321C0	123A
HT307322A	123A
HT307331B	123A
HT307331C	123A
HT307331C0	123A
HT307341	128
HT307341A	128
HT307341B	123A
HT307341C-0	123A
HT307342B	128
HT307342C	128
HT307720B	107
HT307721C	107
HT307721D	107
HT307841B0	229
HT307841R0	229
HT307902B	184
HT308281B	123A
HT308281C	123A
HT308281D	199
HT308281G	123A
HT308281H	199
HT308281O	123A
HT308282A	123A
HT308282A-0	123A
HT308282A0	199
HT308282B	199
HT308291A	123A
HT308291A-O	123A
HT308291B	123A
HT308291B-0	123A
HT308291B0	107
HT308291BO	107
HT308291BO	123A
HT308291C	123A
HT308291C0	123A
HT308291D0	123A
HT308301B0	152
HT309001E0	199
HT309002A0	229
HT309291C	108
HT309291E	107
HT309301C	199
HT309301D	107
HT309301E	199
HT309301F	199
HT309451L0	199
HT309451Q0	199
HT309451R0	199
HT309452A0	85
HT309680B	128
HT309714A-0	128
HT309841B0	128
HT309842A-0	123A
HT310002A	199
HT310471B0	108
HT310471C0	107
HT311621B	152
HT311731Y0	152
HT312131B0	289A
HT312131C0	289A
HT313171Q0	289A
HT313171R	289A
HT313172A	289A
HT313181C	128
HT313271T	199
HT313271U0	199
HT313272A0	199
HT313272B	199
HT313591B0	229
HT313592B	229
HT313681B0	184
HT313831X	293
HT313831X0	293
HT313832B	293
HT313832C	293
HT313841R	293
HT314071Q	192
HT315182C0	293
HT316680A1	229
HT316741M0	107
HT316751L0	229
HT316751M0	229
HT316781A0	235
HT320911A0	295
HT320921A0	235
HT326342B0	199
HT400721	103A
HT400721A	103A
HT400721B	103A
HT400721C	103A
HT400721D	103A
HT400721E	103A
HT400723	103A
HT400723A	103A
HT400723B	103A
HT400770B	103A
HT401191	130
HT401191A	130
HT401191B	130
HT401193A0	280
HT401301B0	175
HT402352B	152
HT403131E0	196
HT403131Q0	152
HT403132A0	196
HT403152A	175
HT403152B	175
HT403523A	103A
HT404001E	192
HT404152B0	373
HT404711L0	289A
HT407182A0	36
HT600011F	159
HT600011H	159
HT800011F	123A
HT800011G	123A
HT800011H	123A
HT800011K	123A
HT1001510	102A
HT2040710 A	121
HT2046710	131
HT3036210	123A
HT3037010	108
HT3037201	108
HT3037201A	108
HT3037201B	108
HT3037210	123A
HT3037210-0	123A
HT3037310	107
HT3038013-B	107
HT3046010B0	107
HT6000210	159
HT8000101	154
HT8000710	116
HT8001210	128
HT8001310	128
HT8001610	161
HT8001710	161
HT8001810	123A
HT9356500A	287
HT30373100	123A
HT30387100	316
HT30730100	47
HT30733100	199
HT30945110	199
HT31317100	289A
HT31327100	199
HT31518210	293
HT31909100	235
HT31970100	342
HT32053000	123AP
HT32221100	322
HT32347100	69
HT40571100	287
HT70011100	242
HT80059100	108
HT80060100	108
HT80071000	365
HT80072000	367
HU04/12/AC	5703
HU04/12/CAW	5701
HU04/12/CKW	5700
HU04/12/SCR	5702
HU04/55/DS	5712
HU04/55/SD	5711
HU04/55/SS	5710
HU04/85/DS	5722
HU04/85/SD	5721
HU04/85/SS	5720
HU06/12/DD	5704
HU06/12/SS	5705
HU06/55/DD	6220
HU06/85/DD	6230
HU06T3U	5335
HU06T6U	5335
HU08/12/AC	5703
HU08/12/CAW	5701
HU08/12/CKW	5700
HU08/12/SCR	5702
HU08/55/DS	5712
HU08/55/SD	5711
HU08/55/SS	5710
HU08/85/DS	5722
HU08/85/SD	5721
HU08/85/SS	5720
HU08B3U	5346
HU08B6U	5346
HU10B3U	5348
HU10B6U	5348
HU10T3U	5338
HU10T6U	5338
HU12/12/AC	5703
HU12/12/CAW	5701
HU12/12/CKW	5700
HU12/12/DD	5704
HU12/12/SS	5705
HU12/55/DD	6220
HU12/55/DS	5712
HU12/55/SD	5711
HU12/55/SS	5710
HU12/85/DD	6230
HU12/85/DS	5722
HU12/85/SD	5721
HU12/85/SS	5720
HV0000102	102A
HV0000105	116
HV0000105-0	116
HV0000202	102A
HV0000206	601
HV0000302	107
HV0000405	158
HV0000406	116
HV0000502	601
HV0000705	116
HV00001050	177
HV00001060	601
HV00002000	177
HV00005020	601
HV00008120	601
HV0001050	177
HV5-5	518
HV5-5F	518
HV5-7	518
HV5-7F	518
HV5-10	518
HV5-10F	518
HV10-5	518
HV10-5F	518
HV10-7	518
HV10-7F	518
HV10-10	518
HV10-10F	518
HV12	102A
HV12A	552
HV-12A	552
HV12B	552
HV-12B	552
HV12C	552
HV-12C	552
HV-15	OBS-NLA
HV15	OBS-NLA
HV15(Transistor)	102A
HV15PD	525
HV16	102A
HV16A	525
HV-16A	552
HV16B	525
HV16C	525
HV17	102A
HV17B	102A
HV19	102A
HV20	525
HV20C	525
HV-23	600
HV-23(Elgin)	600
HV23D	600
HV23E	600
HV23F	600
HV-23G	600
HV23-G	600
HV23G	600
HV-23GB	600
HV-23G-B	600
HV23GBL	600
HV-23GWT	600
HV-23GYL	600
HV-25	177
HV25	123A
HV-25(DIODE)	177
HV25(Hitachi)	177
HV-25(RCA)	177
HV25-5	518
HV25-5F	518
HV25-7	518
HV25-7F	518
HV25-10	518
HV25-10F	518
HV26	600
HV-26	116
HV-26G	116
HV-27	177
HV46	605A
HV-46	605A
HV46GR	605A
HV-46OR	605A
HV46RD	605A
HV-80	601
HV80	601
HV-100	116
HV230BL	600
HV460R	177
HVE15	525
HVK1333	522
HVK1334	534
HVPR10-06	548
HVPR10-08	548
HVPR10-1	548
HVPR10-10	548
HVPR10-12	548
HVPR12-16	546§
HVPR15-4	542
HVPR15-4L	543
HVR-3B	544
HVR-5A	544
HVR5A	544
HVR5AS	544
HVR-5AS	544
HVT-22DA	502
HVT400	523/3306
HVT-DF-18	502
HW6.8	5071A
HW6.8A	5071A
HW7.5	138A
HW7.5A	138A
HW8.2	5072A
HW8.2A	5072A
HW9.1	139A
HW9.1A	139A
HW9.1B	139A
HW10	140A
HW10A	140A
HW11	5074A
HW11A	5074A
HW11B	141A
HW12	142A
HW12A	142A
HW12B	142A
HW13	143A
HW13A	143A
HW13B	143A
HW15	145A
HW15A	145A
HW15B	145A
HW16	5075A
HW16A	5075A
HW18	5077A
HW18A	5077A
HW20	5079A
HW20A	5079A
HW22	5080A
HW22A	5080A
HW24	5081A
HW24A	5081A
HW27	146A
HW27A	146A
HW27B	146A
HW30	5084A
HW30A	5084A
HW33	147A
HW33A	147A
HW33B	147A
HW36	5085A
HW36A	5085A
HW39	5086A
HW39A	5086A
HW43	5087A
HW43A	5087A
HW47	5088A
HW47A	5088A
HW51	5089A
HW51A	5089A
HW56	5090A
HW56A	5090A
HW56B	148A
HW62	149A
HW62A	149A
HW62B	149A
HW68	5092A
HW68A	5092A
HW75	5093A
HW75A	5093A
HW82	150A
HW82A	150A
HW82B	150A
HW91	5095A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
HW91A	5095A
HW100	5096A
HW100A	5096A
HW110	151A
HW110A	151A
HW110B	151A
HW120	5097A
HW120A	5097A
HW130	5098A
HW130A	5098A
HW150	5100A
HW150A	5100A
HW160	5101A
HW160A	5101A
HW180	5103A
HW180A	5103A
HW200	5105A
HW200A	5105A
HX50001	108
HX50002	123A
HX50003	107
HX-50063	123A
HX-50072	123A
HX-50091	229
HX-50092	123AP
HX-50094	159
HX-50097	123AP
HX-50102	5402
HX-50103	192
HX-50104	193
HX-50105	159
HX-50106	299
HX-50107	199
HX-50108	287
HX-50109	288
HX-50110	229
HX-50112	159
HX-50113	123A
HX-50120	129P
HX-50126	108
HX-50127	123A
HX-50128	159
HX-50129	293
HX-50130	294
HX-50159	5400
HX-50161	123AP
HX-50171	294
HX-50172	123A
HX-50173	293
HX-50176	159
HX-50180	172A
HX-50181	123AP
HY3045801C	123A
HYB4116-3	2117
HYB4116-4	2117
HYB4116-5	2117
HZ2C1	5000A
HZ2CLL	5000A
HZ-3	5004A
HZ-3A	5004A
HZ3A07	5004A
HZ3A3	5003A
HZ3ALL	5004A
HZ3B	5004A
HZ-3B-2	5004A
HZ3BLL	5004A
HZ3C1	5005A
HZ3C-2	5005A
HZ3C2-01	5005A
HZ4A04	5007A
HZ4A-1	5006A
HZ4A-2	5006A
HZ-4C	5008A
HZ-5	135A
HZ5	5009A
HZ-5B	135A
HZ-5B-1	5009A
HZ5B-2	5009A
HZ5C	5010A
HZ-5C-1	5010T1
HZ5C1	5010T1
HZ5C1TD	5010T1
HZ5C2	5010T1
HZ5C-2	5010T1
HZ-5C3	5010A
HZ5HC2	5010T1
HZ5.0C2	5010T1
HZ-6A	5011T1
HZ6A	5010T1
HZ6A1	5010T1
HZ6A1V	5010A
HZ6A-2	5011A
HZ6A-3	5011T1
HZ6A19	5011T1
HZ6B	5012A
HZ-6B	5070A
HZ6B1	5011T1
HZ-6B-2	5011T1
HZ6B-2	5011T1
HZ6B2	5012A
HZ-6B-3	5013T1
HZ6B3	5012A
HZ6B-3L	5012A
HZ6B20	5011T1
HZ6C	5012A
HZ-6C	5012A
HZ6-C1	5012A
HZ6C2	5013T1
HZ6C2L	5013A
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i6289	5635
i6342	197
I9631	128
I9680	159
i12032	160
i50865	106
i81030	159
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i98936-2	5675
i472446-i	121
i473608-2	128
i473679-1	128
i473688-1	5404
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IC-06-2(Magnavox)	722
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IC-1(Dynalco)	912
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IC-2(Elcom)	704
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IC-2(Philco)	703
IC-2(RCA)	710
IC2(Elcom)	704
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IC-410(Elcom)	9668
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IC-412(Elcom)	9670
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IC-457(Elcom)	783
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IC-543(Elcom)	1006
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IC743051	177
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IC-uA703E	703
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ID101	5401
ID102	5402
ID103	5404
ID104	5404
ID105	5405
ID106	5405
ID18004	97
IDA1Z5B	135A
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IDA1Z8.2B	5072A
IDA1Z10B	140A
IDA1Z14B	144A
IDA1Z18B	5077A
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IDAZ824B	137A
IDAZ3397B	5067A
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IDAZ3403B	142A
IDAZ3404B	145A
IDAZ3405B	5077A
IDB200	5332
IDB400	5332
IDB600	5332
IDB800	5334
IDUPC7912H	967
IE460B	229

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To Be Replaced	ECG Replacement
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IE-850	103A
IF-65	102A
IF AMP	OBS-NLA
IFSI-3122P	1936
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IG0009	1096
IG00013	1090
IG00016	941
IG00018	7400
IG00027	7473
IG00032	7491
IG00036	902
IG00043	74164
IG00044	1135
IG00049	4001B
IG00051	4006B
IG00056	4013B
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IG00059	4016B
IG00067	4025B
IG00082	4049
IG00084	4051B
IG00101	4035B
IG00114	9200
IG00117	4001B
IG00118	4013B
IG00120	4081B
IG00134	1154
IG00139	778A
IG00144	4071B
IG00162	975
IG00163	930
IG00169	4016B
IG00172	4069
IG00173	4073B
IG00174	4050B
IG00176	4081B
IG00177	4051B
IG00178	4007
IG00179	4030B
IG00185	74S04
IG00710	4019B
IG-100	105
IGSTK6962	1748
IHHA11749	1686
IJJ-NJM4558D	778A
IJJ-NJM4558D-D	778A
IJJ-NJM4558D-E	778A
IJJ-NJM4558DX	778A
IKK-HA1151	1237
IKK-HA11225	1488
IKK-HD74LS138	74LS138
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IL201	3041
IL202	3041
IL-202	3041
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IL-211	3010
IL211	3010
IL-214	3009
IL214	3009
IL-216	3008
IL216	3008
IL-250	3089
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IL-505	3041
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IL530	3084◆
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IL-555	3083◆
IL555	3083◆
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ILA30	3084
ILA-30	3084
ILA-55	3083
ILA55	3083
ILCA2-30	3084◆
ILCA2-55	3083◆
ILCA230	3084◆
ILCA255	3083◆
IL-CT6	3086
ILD74	3086
ILD-74	3086
ILD-506	3086
ILD1020	1012
IM2114-3	2114
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IM4116-4CDE	2117
IM4116-4CJE	2117
IM4116-4CPE	2117
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IM5600CJE	74S188
IM5600CPE	74S188
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IM5603CDE	74S387
IM5603CJE	74S387
IM5603CPE	74S387
IM5604	74S570
IM5604CDE	74S570
IM5604CJE	74S570
IM5604CPE	74S570
IM5605	74S475
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IM5605CJG	74S475
IM5606	74S572
IM5606CDN	74S572
IM5606CJN	74S572
IM5610	74S288
IM5610CDE	74S288
IM5610CJE	74S288
IM5610CPE	74S288
IM5623	74S287
IM5623CDE	74S287
IM5623CJE	74S287
IM5623CPE	74S287
IM5624	74S571
IM5624CDE	74S571
IM5624CJE	74S571
IM5624CPE	74S571
IM5625	74S474
IM5625CDG	74S474
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IM5626CJN	74S573
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IM6508J-1	6508
IM6508P	6508
IM6508P-1	6508
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IM7027-3CJE	2104
IM7027-4	2104
IM7027-4CJE	2104
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IMR5040R	5827
IMR5080	5828
IMR5080R	5829
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IN60-1	109
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IN1184	5986
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IN4051	6356
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IN4764A	5096A
IN5257B	5036A
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INJ61675	109
INJ61677	177
INJ61725	177
INJ61726	116
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INS8212N	8212
INS8216	8216
INS8216N	8216
INS8224	8224
INS8224N	8224
INS8228	8228
INS8228J	8228
INS8228N	8228
INS8255	8255
INS8255J	8255
INS8255N	8255
INTRON-108	128
INTRON-127	175
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IP20-0038	229
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IP20-0086	135A
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IP20-0098	177
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IP20-0145	177
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IP20-0155	235
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IP20-0162	312
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IR1F	506
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IR2E	116
IR3D	506
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IR3N06	853
IR3N0P	832
IR3P04	1671
IR5JA	109
IR10	5454
IR10D	177
IR10D3L	506
IR10E6J	116
IR10E6X	519
IR16MQ30A	6084
IR20	116
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IR106C1-C	5457
IR106C2	5457
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IR403	283
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IR411	94
IR423	162
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IR692	5531
IR729	283
IR801	389
IR900	244
IR901	244
IR1000	243
IR1001	243
IR1600	5470
IR1601	5471
IR1602	5472
IR1603	5474
IR1604	5474
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IR1848A	5507
IR1849A	5507
IR1850A	5509
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IR2501	246
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IR5001	246
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IR6002	98
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IR6062	98
IR6251	97
IR6252	97
IR6253	97
IR9494	1729
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IRC20	5455
IRC30	5457
IRC40	5457
IRD54	6408
IRD-54	6408
IRD54-C	6408
IRD3899	6006
IRD3899R	6007
IRD3900	6006
IRD3900R	6007
IRD3901	6006
IRD3901R	6007
IRD3902	6008
IRD3902R	6009
IRD3903	6008
IRD3903R	6009
IRD3909	6006
IRD3909R	6007
IRD3910	6006
IRD3910R	6007
IRD3911	6006
IRD3911R	6007
IRD3912	6008
IRD3912R	6009
IRD3913	6008
IRD3913R	6009
IRF0523	2383◆
IRF220	2386◆
IRF220-3	2386
IRF221	2386◆
IRF222	2386◆
IRF223	2386◆
IRF320	2386
IRF321	2386
IRF322	2386
IRF323	2386
IRF512	2382◆
IRF520	2382◆
IRF521	2382◆
IRF522	2382◆
IRF523	2382◆
IRF530	66
IRF531	66
IRF532	66
IRF533	66
IRF610	67
IRF610-3	67
IRF611	67
IRF611-3	67
IRF612	67
IRF612-3	67
IRF613	67
IRF620	2388◆
IRF620-3	2388
IRF621	2388◆
IRF622	67
IRF623	2388
IRF632	2388◆
IRF633	2388◆
IRF710	2380◆
IRF711	2380◆
IRF712	2380◆
IRF713	2380◆
IRF720	67
IRF721	67
IRF722	67
IRF723	67
IRF732	67
IRF733	67
IRF822	2380
IRF822-3	2380
IRF823	2380
IRF9121	2383
IRF9123	2383
IRF9520	2383
IRF9521	2383◆
IRF9522	2383
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IRKT91-12	5720
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IRTR51	199
IR-TR53	128
IR-TR56	187
IR-TR57	175
IRTR57	196
IRTR58	218
IR-TR59	130
IR-TR60	157
IR-TR61	162
IRTR62	123A
IRTR63	123A
IRTR64	195A
IRTR65	195A
IRTR67	163A
IRTR68	164
IRTR69	172A
IRTR70	161
IRTR71	161
IRTR72	188
IRTR73	189
IRTR74	190
IRTR75	191
IRTR76	152
IRTR77	153
IRTR78	154
IRTR79	171
IRTR82	176
IRTR84	158
IRTR85	102A
IRTR86	123
IRTR87	128
IRTR88	129
IRTR91	155
IRTR92	196
IRTR93	165
IRTR94	226MP
IRTR94MP	226MP
IRTR95	108
IS010	5550
IS020	5550
IS01209	601
IS68	5550
IS110	5552
IS120	5552
IS210	5552
IS220	5552
IS310	5554
IS320	5554
IS410	5554
IS420	5554
IS-446D	178MP
IS510	5556
IS520	5556
IS610	5556
IS620	5556
IS710	5558
IS720	5558
IS810	5558
IS820	5558
IS-953	177
IS2076TP	177
ISBF1	102A
ISD-162	103
ISPT030	56022
ISPT030A	56022
ISPT030AB	56022
ISPT030B	56022
ISPT030C	56022

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
ISPT040	56022
ISPT040A	56022
ISPT040AB	56022
ISPT040B	56022
ISPT040C	56022
ISPT130	56022
ISPT130A	56022
ISPT130AB	56022
ISPT130B	56022
ISPT130C	56022
ISPT140	56022
ISPT140A	56022
ISPT140AB	56022
ISPT140B	56022
ISPT140C	56022
ISPT230	56022
ISPT230A	56022
ISPT230AB	56022
ISPT230B	56022
ISPT230C	56022
ISPT240	56022
ISPT240A	56022
ISPT240AB	56022
ISPT240B	56022
ISPT240C	56022
ISPT330	56024
ISPT330A	56024
ISPT330AB	56024
ISPT330B	56024
ISPT330C	56024
ISPT340	56024
ISPT340A	56024
ISPT340AB	56024
ISPT340B	56024
ISPT340C	56024
ISPT430	56024
ISPT430A	56024
ISPT430AB	56024
ISPT430B	56024
ISPT430C	56024
ISPT440	56024
ISPT440A	56024
ISPT440AB	56024
ISPT440B	56024
ISPT440C	56024
ISPT530	56026
ISPT530A	56026
ISPT530AB	56026
ISPT530B	56026
ISPT530C	56026
ISPT540	56026
ISPT540A	56026
ISPT540AB	56026
ISPT540B	56026
ISPT540C	56026
ISPT630	56026
ISPT630A	56026
ISPT630AB	56026
ISPT630B	56026
ISPT630C	56026
ISPT640	56026
ISPT640A	56026
ISPT640AB	56026
ISPT640B	56026
ISPT640C	56026
ISS181	596
ISS184	595
ISS193	595
IT06	5645
IT06A	5645
IT06AB	5645
IT06C	5645
IT06HA	5645
IT06HX	5645
IT06SH	5645
IT08	5645
IT08A	5645
IT08AB	5645
IT08C	5645
IT08HA	5645
IT08HX	5645
IT08SH	5645
IT010	5645
IT010A	5645
IT010AB	5645
IT010C	5645
IT010HA	5645
IT010HX	5645
IT010SH	5645
IT015	56004#
IT6	612
IT10D4K	116
IT16	5645
IT16A	5645
IT16AB	5645
IT16C	5645
IT16HA	5645
IT16HX	5645
IT16SH	5645
IT18	5645
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IT18HX	5645
IT18SH	5645
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IT22A	109
IT22AM	109
IT23	109
IT23G	109
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IT26AB	5645
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IT26HX	5645
IT26SH	5645
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IT68SH	5645
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IT88	56010
IT100T092	326
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ITT493N	75493
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ITT500	75492B
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ITT501-5D	75491B
ITT501-5M	75491B
ITT501-5P	75491B
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ITT554	2012
ITT556	2013
ITT558	2014
ITT600	519
ITT601	519
ITT652	2011
ITT654	2012
ITT656	2013
ITT658	2014
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ITT709-5(DIP)	909D
ITT709-5(Metal Can)	909
ITT710(Metal Can)	910
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ITT710-5(DIP)	910D
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ITT711(D.I.P.)	911D
ITT711(Metal Can)	911
ITT711-5(Metal Can)	911
ITT711-5(D.I.P)	911D
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ITT723-5(Metal Can)	923
ITT723-5(DIP)	923D
ITT741(Metal Can)	941
ITT741(D.I.P.)	941D
ITT741-5(D.I.P.)	941D
ITT741-5(Metal Can)	941
ITT741-5C	941
ITT741-5D	941D
ITT741-5P	941D
ITT895(Zenith)	123AP
ITT920	519
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ITT9308-5P	8308
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ITT9316-5D	8316
ITT9316-5P	8316
ITT9601-1D	9601♦
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ITT9601-5P	9601
ITT9602-1D	9602♦
ITT9602-1P	9602♦
ITT9602-5D	9602
ITT9602-5P	9602
ITT9615-1D	9615♦
ITT9615-1P	9615♦

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ITTWG713	177
IUU-LM1011N	2003
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IV-5374	3011
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IV-5753	3022
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IVN5201CNH	66
IVN6200CNF	66
IVN6200CNH	66
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IX0065CE	1550
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IX0137	1751
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IX0252CE	1413
IX0275CE	1572
IX0276CE	1570
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J5M3R	6359
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J337-009003	145A
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J3480	165
J3520	245
J3521	245
J3701	218
J3771	181
J3772	181
J3773	388 ♦
J4000	243
J4001	243
J4010	244
J4011	244
J4030	250
J4031	250
J4032	250
J4033	249
J4035	249
J4101	175
J4102	175
J4237	285
J4238	285
J4247	284
J4248	284
J4502	180
J4645	129
J5008	98
J5010	98
J5062	160
J5063	102A
J5064	102A
J5202	175
J5203	175
J5204	175
J5416	129
J5683	30
J5684	30
J5685	29
J5686	29
J6302	388 ♦
J8400	165
J9000	283
J9400	184
J9631	123A
J9680	159
J9681	159
J9697	159
J10000	98
J10001	98
J10002	97
J10003	97
J10004	98
J10005	98
J10006	97
J10007	97
J10008	98
J10009	98
J10012	98
J10015	99
J10022	99
J10023	99
J12002	389
J12003	389
J12004	165
J12005	238
J13014	385
J13070	52
J13071	52
J13332	386
J13333	386
J13334	386
J13335	386
J15001	60
J15002	68
J15003	60
J15004	61
J15011G	87
J15012	68
J15012G	88
J15015	388
J15016	68
J15022	388
J15023	68
J15024	388
J15025	388
J15531	68
J15532	68
J20437	116
J20438	142A
J24127	116
J24186	136A
J24262	5070A
J24366	131MP
J24458	123A
J24561	107
J24562	107
J24563	107
J24564	123A
J24565	123A
J24566	124
J24567	110MP
J24570	116
J24596	108
J24620	160
J24621	160
J24622	160
J24623	160
J24624	123A
J24625	123A
J24626	102A
J24628	110MP
J24630	116
J24631	137A
J24632	139A
J24635	108
J24636	108
J24637	108
J24639	102A
J24640	159
J24641	123A
J24642	175
J24643	110MP
J24645	116
J24647	116
J24658	123A
J24701	107
J24752	123A
J24753	123A
J24754	185 + 184(CP)
J24755	177
J24756	116
J24812	199
J24813	108
J24814	108
J24817	123A
J24820	110MP
J24852	108
J24855	123A
J24863	108
J24868	103A
J24869	102A
J24870	102A
J24871	116
J24872	140A
J24874	123A
J24875	199
J24877	116
J24878	123A
J24903	107
J24904	108
J24905	108
J24906	123A
J24907	123A
J24908	129
J24909	123A
J24911	109
J24912	177
J24913	109
J24914	109
J24915	108
J24916	123A
J24919	117A
J24920	116
J24921	108
J24923	108
J24932	199
J24933	108
J24934	102A
J24935	116
J24939	116
J24940	116
J34000	243
J101183	116
J241015	129
J241054	123A
J241099	123A
J241100	116
J241102	116
J241142	116
J241164	102A
J241177	107
J241178	158
J241179	137A
J241182	177
J241183	506
J241185	103A
J241186	136A
J241188	107
J241189	107
J241190	102A
J241209	116
J241210	116
J241211	116
J241212	117A
J241213	177
J241214	116
J241215	506
J241216	5082A
J241217	141A
J241218	138A
J241219	749
J241220	1050
J241221	1089*
J241222	712
J241224	218
J241225	159
J241226	159
J241227	238
J241228	124
J241229	124
J241230	123A
J241231	175
J241232	116
J241233	198
J241234	177
J241235	177
J241236	231
J241241	152
J241242	177
J241245	109
J241250	184
J241251	123A
J241252	196
J241253	159
J241255	128
J241256	128
J241258	218
J241259	159
J241260	116
J241270	748A
J241271	116
J310159	102A
J310224	102A
J310249	123A
J310250	123A
J310251	160
J310252	102A
J320020	116
J320041	109
JA101	290A
JA101P	290A
JA101Q	290A
JA424	914
JA1050	159
JA1050B	159
JA1050G	159
JA1050GL	159
JA1050W	199
JA1200	123A
JA1300	194
JA1350	123AP
JA1350B	199
JA1350W	199
JA1350Y	199
JA1600G	123A
JA7010	199
JA7072	184
JA-H	123A
JA-KCDP	156
JA-L	123A
JAM702C	116
JB-00030	116
JB00036	166
JB-00036	117A
JB16C4	116(4)
JB8255AP-5	8255
JB-BB1A	116
JC-00012	116
JC-00014	116
JC-00017	506
JC-00028	116
JC-00032	116
JC-00033	116
JC-00035	116
JC-00037	116
JC-00042	116
JC-00044	116
JC-00045	116
JC-00047	116
JC-00049	116
JC00049	116
JC-00050	116
JC00050	116
JC-00051	116
JC-00053	116
JC-00055	116
JC-00059	156
JC-0025	117A
JC-8	748A
JC-10D1	116
JC100	105
JC501	85
JC501P	85
JC501Q	85
JC-DS16E	116
JC-KS05	116
JCN1	116
JCN2	116
JCN3	116
JCN4	116
JCN5	116
JCN6	116
JCN7	125
JC-SD-1X	116
JC-SD-1Z	116
JC-SG005	116
JC-V03C	116(2)
JCV-2	116
JCV-3	116
JCV7	125
JD-00040	116
JD-BB1A	116
JDSD1D	116
JE104	183
JE105	183
JE105K	242
JE170	185
JE171	185
JE172	185 ♦
JE180	184
JE181	184
JE182	184 ♦
JE200E	186A
JE204	182
JE205	182
JE205K	241
JE340	157
JE341	157
JE344	157
JE350	39
JE370	185
JE370K	242
JE371	185
JE371K	242
JE423	162
JE482	184
JE483	184
JE488	184
JE492	185
JE493	185
JE520	184
JE520K	241
JE-521	184
JE521	184
JE521K	241
JE700	254
JE700T	262
JE701	254
JE701T	262
JE702	254
JE702T	262
JE703	254
JE703T	262
JE710	185
JE711	185
JE800	253
JE800T	261
JE801	253
JE801T	261
JE802	253
JE802T	261
JE803	253
JE803T	261
JE1033B	312
JE1090	258
JE1091	258
JE1092	258
JE1093	258
JE1100	257
JE1101	257
JE1102	257
JE1103	257
JE1601	331
JE1909	235
JE2090	262
JE2091	262
JE2092	262
JE2093	262
JE2100	261
JE2101	261
JE2103	261
JE2360	198
JE2360T	198
JE2361	198
JE2361T	198
JE2370	242
JE2371	242
JE2480	241
JE2481	241
JE2482	241
JE2483	241
JE2490	242
JE2491	242
JE2520	241
JE2521	241
JE2522	241
JE2523	241
JE2801	182
JE2801T	331
JE2901	183
JE2901T	332
JE2940	130
JE2955	183
JE2955K	332
JE3054	241
JE3055	182
JE3055K	331
JE3055T	331
JE3440	157
JE3520	249
JE3740	242
JE3741	242
JE3955T	332
JE4340	2305
JE4341	2305
JE4342	2305
JE4343	2306
JE4350	2306
JE4351	2306
JE4352	2306
JE4353	2306
JE5192	241
JE5974	183
JE5975	183
JE5976	183
JE5977	182
JE5978	182
JE5979	182
JE5980	183
JE5981	183
JE5982	183
JE5983	182
JE5984	182
JE5985	182
JE6040	260
JE6042	260
JE6043	259
JE6044	259
JE6045	259
JE7001	69
JE7001(BEC)	69
JE7001J	69
JE7001K	69
JE7001L	69
JE7001-L(BEC)	69
JE8050	128P
JE8550	129P
JE9011	123AP
JE9011D	123AP
JE9011E	123AP
JE9011F	123AP
JE9011G	123AP
JE9011H	123AP
JE9011I	123AP
JE9011Q	195A
JE9012	159
JE9012D	159
JE9012E	159
JE9012F	159
JE9012G	159
JE9012H	159
JE9013	123AP
JE9013D	123AP
JE9013E	123AP
JE9013F	123AP
JE9013G	123AP
JE9013H	123AP
JE9014(EBC)	199
JE9014A	123AP
JE9014B	123AP
JE9014BE(EBC)	199
JE9014C(EBC)	199
JE9014D(EBC)	199
JE9014E(EBC)	199
JE9015	159
JE9015A	159
JE9015B	159
JE9015C	159
JE9016	108
JE9016D	108
JE9016E	108
JE9016F	108
JE9016G	108
JE9016H	108
JE9016I	108
JE9018	108
JE9018D	108
JE9018E	108
JE9018F	108
JE-9018G	108
JE9018G	108
JE9018H	108
JE9018I	108
JE9042	287
JE9042B	287
JE9043	287
JE9043A	287
JE9043B	287
JE9092	288
JE9092A	288
JE9092B	288
JE9093	288
JE9093A	288
JE9093B	288
JE9100A	123AP
JE9100B	123AP
JE9100C	123AP
JE9100D	123AP
JE9100E	123AP
JE9100F	123AP
JE9100G	123AP
JE9101A	123AP
JE9101B	123AP
JE9101C	123AP
JE9101D	123AP
JE9112	128P
JE9113	129P
JE9214A	2355
JE9214B	2357
JE9214C	2359
JE9215A	2356
JE9215B	2358
JE9215C	2360
JE12007	2303
JEM1	105
JEM2	105
JEM3	105
JEM4	105
JEM5	105
JF-1033	451
JF1033	451
JF1033B	312
JF-1033B	451
JF1033G	312
JF1033J	451
JF1033-RED	451
JF1033S	451
JF1033Y	312
JF1034	312
JF-1034	312
JF1034R	312
JF-1034R	312
JH12004	2301
JH12005	2300
JK1033	312

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
JK1033B	312
JL40A	177
JLM-20	123A
JLM284	955M
JM40	177
JM-40	177
JM401	177
JME-459	594
JME-695	595
JME4195	1941
JME8722	1768
JME8723	1769
JME8725	1770
JN271	123A
JNJ61673	312
JO3025	366
JO3030	367
JO3040	367
JO3055	368
JO4070	352
JO4075	352
JP40	104
JP5062	160
JP5063	102A
JP5064	102A
JP575005	110MP
JP575995	110MP
JR5	102A
JR10	160
JR15	102A
JR30	160
JR30X	160
JR40	104
JR100	160
JR200	160
JRC386D	823
JRC387D	824
JSP1675L	108
JSP6009	242
JSP7001	123A
JSP-7001	199
JSP7001B	123A
JSP-7001B	199
JSP7001B(Preamp)	199
JSP7001J	123A
JSP7001L	123A
JSP7001R	123A
JSP7005	108
JSP7006	108
JSP7061B	229
JST1501-1	421
JT-1601-40	123A
JT-1601-41	112
JT-E1014	109
JT-E1024D	116
JT-E1031	109
JT-E1064	116
JT-E1095	118
JWD-107-1	F1A005▲
JWD-107-3	F1A012▲
JWD-171-5	F1A024%
JWD-171-21	F2A005%
JWD-171-23	F2A012%
JWD-171-24	F2A024%
JZ5.6B	136A
JZ6.2B	137A
JZ6.8B	5071A
JZ7.5B	138A
JZ8.2B	5072A
JZ9.1B	139A
JZ10B	140A
JZ11B	5074A
JZ12B	142A
JZ13B	143A
JZ14B	144A
JZ15B	145A
JZ16B	5075A
JZ17B	5076A
JZ18B	5077A
JZ19B	5078A
JZ20B	5079A
JZ22B	5080A
JZ24B	5081A
JZ25B	5082A
JZ27B	146A
JZ30B	5084A
JZ33B	147A
JZ36B	5085A
JZ39B	5086A
JZ43B	5087A
JZ47B	5088A
JZ51B	5089A
JZ56B	5090A
JZ62B	149A
JZ68B	5092A
JZ75B	5093A
JZ82B	150A
JZ91B	5095A
JZ100B	5096A
K0-09D-336-912	5116A
K0120SA	177
K04774	104
K071687	106
K071818-001	129
K071961-001	128
K071962-001	129
K071964-001	130
K1A5	116
K1B5	116
K1C5	116
K1D5	116
K1E5	116
K1F5	116
K1G5	116
K1H5	116
K1K5	125
K1M5	125
K1V5	6415
K1V6	6416
K1V10	6417
K1V11	6418
K1V12	6419
K1.3G22-1A	166
K1.3G22A	116
K2A5	116
K2B5	116
K2C5	116
K2CdP221B	166
K2D5	116
K2DP12	116(2)
K2E5	116
K2F5	116
K2G	116
K2G5	116
K2H5	125
K2K5	125
K3	109
K3B5	116
K3C5	116
K3D5	116
K3E	112
K3F5	116
K3G5	116
K3H5	125
K3K5	125
K3M5	125
K4-500	158
K4-501	103A
K4-505	159
K4-506	123A
K4-510	108
K4-520	104
K4-521	104
K4-525	130
K4-550	109
K4-555	116
K4-557	116
K4A5	116
K4B5	116
K4C5	116
K4D5	116
K4E5	116
K4F5	116
K4G5	116
K4H5	125
K4K5	125
K4M5	125
K5A5	116
K5B5	116
K5C5	116
K5D5	116
K5E5	116
K5F5	116
K5G5	116
K5H5	125
K5K5	125
K5M5	125
K6	109
K10	312
K10(1 Gate)	312
K11(SGDC)	456
K11-O(SGDC)	456
K11-R(SGDC)	456
K11-Y(SGDC)	456
K12(SGDC)	456
K12-GR(SGDC)	456
K12-O(SGDC)	456
K12-R(SGDC)	456
K13	312
K15-GR(SGDC)	456
K15-O(SGDC)	456
K15-R(SGDC)	456
K15-Y(SGDC)	456
K16(SGD)	312
K16H(SGD)	312
K16HB(SGD)	312
K16HC(SGD)	312
K16S(SGD)	312
K17(SGD)	312
K17-0(SGD)	312
K17A(SGD)	312
K17B(SGD)	312
K17BL(SGD)	312
K17GR(SGD)	312
K17R(SGD)	312
K17Y(SGD)	312
K19	453
K19(GR)	453
K19BL	453
K19GB	453
K19GC	453
K19GE	453
K19-GR	453
K19GR	453
K19H	453
K19K	453
K19TM-GR	453
K19V	453
K19Y	453
K22(2 Gate)(D,S,G1,G2)	454
K22(5mmMOV)	1V014
K22Y	312
K23(SGD)	312
K23A(SGD)	312
K23A540(SGD)	312
K23A-540(SGD)	312
K23AL(SGD)	312
K24	312
K24C	312
K24D	312
K24DR	312
K24E	312
K24F	312
K24G	312
K25	312
K25C	312
K25D	312
K25E	312
K25ET	312
K25F	312
K25G	312
K27(5mmMOV)	1V017
K30(D,S,G1,G2)	222
K30(SGD)	459
K30(Y)(SGD)	459
K30-0(SGD)	459
K30A(SGD)	459
K30A(D,S,G1,G2)	222
K30AD(SGD)	459
K30AG(SGD)	459
K30A-GR(SGD)	459
K30AGR(SGD)	459
K30A-O(SGD)	459
K30AY(SGD)	459
K30A-Y(SGD)	459
K30B(SGD)	459
K30B(D,S,G1,G2)	222
K30C(D,S,G1,G2)	222
K30C(SGD)	459
K30D(SGD)	459
K30-GR(SGD)	459
K30-O(SGD)	459
K30R(SGD)	459
K30-R(SGD)	459
K30-Y(SGD)	459
K30Y(SGD)	459
K31	312
K31C	312
K32A	221
K32B	221
K32C	221
K32D	221
K33	451
K33(E)	451
K33(D,S,G1,G2)	222
K33(5mmMOV)	1V020
K33B	451
K33D	451
K33E	451
K33F	451
K33GR	451
K33H	451
K34	459
K34(E)	459
K34B	459
K34C	459
K34CD	459
K34D	459
K34E	459
K34GR	459
K34P	459
K34S747	112
K35(SGD)	451◆
K35(2 Gate)	454
K35-1(SGD)	312
K35-2(SGD)	312
K35A(SGD)	312
K35BL(SGD)	312
K35-BL(2 Gate)	454
K35C(SGD)	312
K35G(2 Gate)	454
K35GN(SGD)	312
K35GR(2 Gate)	454
K35-GR(2 Gate)	454
K35R(SGD)	312
K35Y(SGD)	312
K35-Y(2 Gate)	454
K35Y(2 Gate)	454
K37(2 Gate)	312
K37-0	454
K37-2	454
K37-3	454
K39(2 Gate)	222
K39E(2 Gate)	222
K39P(2 Gate)	222
K39P2(2 Gate)	222
K39Q(2 Gate)	222
K39R(2 Gate)	222
K40(2 Gate)	221
K40(SGD)	459
K40-3(SGD)	459
K40A(SGD)	459
K40B(SGD)	459
K40C(SGD)	459
K40D(SGD)	459
K40I(2 Gate)	222
K40K(2 Gate)	222
K40L(2 Gate)	222
K40M(2 Gate)	222
K40ML(2 Gate)	222
K40-OR(SGD)	459
K41(L)(GSD)	451
K41(GSD)	451
K41(L)(2 Gate)	221
K41C(2 Gate)	221
K41D(GSD)	451
K41E(GSD)	451
K41F(GSD)	451
K41L(2 Gate)	221
K41L(GSD)	451
K41M(GSD)	451
K41M(2 Gate)	221
K42	312
K42-2	312
K42CM1	312
K44(2 Gate)	222
K44(SGD)	457
K44BL(2 Gate)	222
K44C(SGD)	457
K44D(SGD)	457
K44R(2 Gate)	222
K44W(2 Gate)	222
K45	456
K45(2 Gate)	454
K45B(2 Gate)	454
K45-B(2 Gate)	454
K45B09(2 Gate)	454
K45B-09(2 Gate)	454
K45F	456◆
K45H	456
K47(SGD)	457
K47(2 Gate)	454
K47M(2 Gate)	454
K47M(SGD)	457
K49	312
K49(2 Gate)	222
K49-0F(GSD)	451
K49E(GSD)	451
K49E2(GSD)	451
K49F(GSD)	451
K49H(GSD)	451
K49H1(GSD)	451
K49H2(GSD)	451
K49HI(GSD)	451
K49HK(1 Gate)	312
K49I(1 Gate)	312
K49M(1 Gate)	312
K49P(2 Gate)	222
K49Q(GSD)	451
K49Q(2 Gate)	222
K49R(2 Gate)	222
K51(2 Gate)	455
K52	109
K54	451
K54B	451
K55(DSG)	312
K55C(DSG)	312
K55D(DSG)	312
K55DE(DSG)	312
K55E(DSG)	312
K55R(DSG)	312
K56(5mmMOV)	1V035
K59(2 Gate)	222
K59(SGD)	458
K59B(SGD)	458
K59BL(2 Gate)	222
K59GR(2 Gate)	222
K59GR1(2Gate)	222
K59GR2 (2 Gate)	222
K59Y(2 Gate)	222
K60	109
K60(2 Gate)	454◆
K61	451
K61(2 Gate)	454
K61GR	451
K61Y	451
K66	459
K66Q	459
K68	458
K68A	458
K68AK	458
K68AL	458
K68AM	458
K68K	458
K68L	458
K68M	458
K70(2 Gate)	454
K74(2 Gate)	455
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K83(GSD)	451
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K88(2 Gate)	455
K88K(2 Gate)	455
K88L(2 Gate)	455
K95(2 Gate)	455
K101(10mmMOV)	2V060
K101(14mmMOV)	2V060
K101(7mmMOV)	1V060
K101(5mmMOV)	1V060
K102(2 Gate)	455
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K107-3(SGD)	451
K107-4(SGD)	451
K107-5(SGD)	451
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K115J511-2	109
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K117GR	458
K117J460-1	113A
K117J460-2	113A
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K118J966-1	114
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K119J804-5	177
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K121(14mmMOV)	2V075
K121(5mmMOV)	1V075
K121(SGD)	458
K121(7mmMOV)	1V075
K121(10mmMOV)	2V075
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K141	466
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K151(14mmMOV)	2V095
K151(10mmMOV)	2V095
K151(5mmMOV)	1V095
K151(7mmMOV)	1V095
K161	451
K161GR	451
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K192GR(DSG)	312
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K201(20mmMOV)	524V13
K201(10mmMOV)	2V130
K201(5mmMOV)	1V130
K201(14mmMOV)	2V130
K201(7mmMOV)	1V130
K220(14mmMOV)	2V014
K220(10mmMOV)	2V014
K220(7mmMOV)	1V014
K220(5mmMOV)	1V014
K241(7mmMOV)	1V150
K241(10mmMOV)	2V150
K241(5mmMOV)	1V150
K241(20mmMOV)	524V15
K241(14mmMOV)	2V150
K270(5mmMOV)	1V017
K270(14mmMOV)	2V017
K270(10mmMOV)	2V017
K270(7mmMOV)	1V017
K319(FET)	67
K330(10mmMOV)	2V020
K330(5mmMOV)	1V020
K330(7mmMOV)	1V020
K330(14mmMOV)	2V020
K383(FET)	66
K390	221
K390(7mmMOV)	1V025
K390(10mmMOV)	2V025
K390(5mmMOV)	1V025
K390(2 Gate)	221
K390(14mmMOV)	2V025
K391(10mmMOV)	2V250
K391(14mmMOV)	2V150
K391(5mmMOV)	1V250
K391(20mmMOV)	524V25
K391(7mmMOV)	1V250
K417-68	126A
K428(FET)	66
K431(14mmMOV)	2V275
K431(5mmMOV)	1V275
K431(7mmMOV)	1V275
K431(20mmMOV)	524V27
K431(10mmMOV)	2V275
K470(5mmMOV)	1V030
K470(10mmMOV)	2V030
K470(7mmMOV)	1V030
K470(14mmMOV)	2V030
K471(20mmMOV)	524V30
K471(7mmMOV)	1V300
K471(5mmMOV)	1V300
K471(14mmMOV)	2V300
K471(10mmMOV)	2V300
K550	312
K560(10mmMOV)	2V035
K560(14mmMOV)	2V035
K560(5mmMOV)	1V035
K560(7mmMOV)	1V035
K680(5mmMOV)	1V040
K680(10mmMOV)	2V040
K680(7mmMOV)	1V040
K680(14mmMOV)	2V040
K681(14mmMOV)	2V420
K681(20mmMOV)	524V42
K681(10mmMOV)	2V420
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K760-1G	5312
K760-2G	5313
K760-3G	5314
K760-4G	5314
K760-6G	5315
K760-8G	5316
K760-10G	5317
K781(10mmMOV)	2V480
K781(14mmMOV)	2V480
K781(20mmMOV)	524V48
K820(10mmMOV)	2V050
K820(14mmMOV)	2V050
K820(7mmMOV)	1V050
K820(5mmMOV)	1V050
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KA556	978
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KA634R	187A
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KA7410N	1560
KA7910	1658
KA11229	1575
KA11436	1650
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KA12412	1559
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KAA1153	2309
KAA1382C	1616
KAA1457	1666
KAA2152	867
KAA2349	2201
KAA2418	2206
KAA2577BV	1632
KAA2611A	1566
KAA2791	1652
KAA3083	929
KAA3159	869
KAA3177A	863
KAA3210	868
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KAA3299A	3017
KAA3410	1577
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KAB58478P	1581
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KO-09D-443-536	5072A
KO-09D-443-537	139A
KO-09D-443-702	9677
KO-09D-443-704	123A
KO-09D-504-203	5313
KO-09D-504-211	960
KO-09D-999-901	519
KO-09D-999-912	129
KO-09D-999-914	116
KO-09D-999-915	9680
KO4774	104
KPD410	94
KPD411	94
KPD1404	94
KPD4108	398
KPD4109	398
KPG6682	123A
KR-Q0001	102A
KR-Q0002	102A
KR-Q0004	102A
KR-Q0005	109
KR-Q1010	102A
KR-Q1011	102A
KR-Q1012	102A
KR-Q1013	123A
KS-05	116
KS-05X	116
KS030A	5065A
KS033A	5066A
KS033B	5005A
KS036A	134A
KS039A	5067A
KS043A	5068A
KS047A	5069A
KS056A	136A
KS062A	137A
KS066A	5071A
KS075A	138A
KS082A	5072A
KS091A	139A
KS11	46
KS12	48
KS13	232
KS14	232
KS30A	134A
KS30AF	134A
KS30B	134A
KS30BF	134A
KS31A	134A
KS32A	134A
KS32AF	134A
KS32B	134A
KS32BF	134A
KS34A	135A
KS34AF	135A
KS34B	135A
KS34BF	135A
KS35A	135A
KS35AF	135A
KS36A	136A
KS36AF	136A
KS36B	136A
KS36BF	136A
KS37A	137A
KS37AF	137A
KS41A	139A
KS41AF	139A
KS42A	140A
KS42AF	140A
KS42B	140A
KS42BF	140A
KS44A	142A
KS44AF	142A
KS44B	142A
KS44BF	142A
KS46	145A
KS46AF	145A
KS46BF	145A
KS100A	140A
KS100B	140A
KS110A	5074A
KS120A	142A
KS120B	142A
KS130A	143A
KS150A	145A
KS150B	145A
KS160A	5075A
KS180A	5077A
KS1520-O	198
KS1674	108
KS2030A	5065A
KS2033A	5066A
KS2033B	5005A
KS2036A	134A
KS2039A	5067A
KS2039B	134A
KS2043A	5068A
KS2047A	5069A
KS2047B	135A
KS2051A	135A
KS2051B	135A
KS2056A	136A
KS2056B	136A
KS2062A	137A
KS2062B	137A
KS2068A	5071A
KS2075A	138A
KS2082A	5072A
KS2091A	139A
KS2091B	139A
KS2100A	140A
KS2100B	140A
KS-2105,L1	5360
KS2110A	5074A
KS2120A	142A
KS2120B	142A
KS2130A	143A
KS2150A	145A
KS2150B	145A
KS2160A	5075A
KS5804	1693
KS5804N	1693
KS5805A	1691
KS5805AN	1691
KS5805B	1692
KS5805BN	1692
KS5808	1690
KS5808N	1690
KS10969-L5	7416
KS-19938	130
KS-20033L2	219
KS20180-L1	128
KS20967-L1	7400
KS20967-L2	7404
KS20967-L3	7486
KS20969-L2	7483
KS20969-L3	7492
KS20969-L4	7495
KS-20971-L1	909D
KS-21177	941M
KS21282-L1	7408
KS21282-L2	7425
KS21282-L3	7432
KSA495Y	159
KSA539	159
KSA539-O	159
KSA539R	159
KSA539-Y	159
KSA539Y	159
KSA542	159
KSA542-O	159
KSA542G	159
KSA542-O	159
KSA542R	159
KSA542Y	159
KSA542-Y	159
KSA545	159
KSA545G	159
KSA545-O	159
KSA545R	159
KSA545Y	159
KSA614	242
KSA614-0	292
KSA614R	242
KSA614Y	292
KSA634	187A
KSA634-0	187A
KSA634-O	187A
KSA634R	187A
KSA634Y	187A
KSA634-Y	187A
KSA636	187
KSA636-O	187
KSA636R	187
KSA642	159
KSA642G	159
KSA642-O	159
KSA642Y	159
KSA643	159
KSA643G	159
KSA643-O	159
KSA643R	159
KSA643Y	159
KSA643-Y	193
KSA707	159
KSA707-O	159
KSA707R	159
KSA707Y	159
KSA708	129P
KSA708-O	129P
KSA708R	129P
KSA708Y	129P
KSA733	159
KSA733-0	159
KSA733G	159
KSA733-O	159
KSA733R	159
KSA733Y	159
KSA733-Y	159
KSA735-0	159
KSA838A	123AP
KSA838A-O	123AP
KSA838AR	123AP
KSA838AY	123AP
KSA928	25
KSA928-O	25
KSA928Y	25
KSA928YT	25
KSA931	129P
KSA931-O	129P
KSA931R	129P
KSA931Y	129P
KSA1015-Y	290A
KSA1015Y	290A
KSA1102	37
KSA1103	37
KSA1104	37
KSA1105	37
KSA1106	37
KSA1135	391#
KSA1520	198
KSB506	332
KSB506-O	332
KSB506R	332
KSB546	398
KSB546-O	398
KSB546R	398
KSB546-Y	398
KSB564A	129P
KSB564A(EBC)	294
KSB564A-O	129P
KSB564AY	129P
KSB564A-Y(EBC)	294
KSB564Y(EBC)	294
KSB564-Y(EBC)	294
KSC184	123AP
KSC184G	123AP
KSC184-O	123AP
KSC184R	123AP
KSC184Y	123AP
KSC815	123AP
KSC815-0	123AP
KSC815G	123AP
KSC815-O	123AP
KSC815R	123AP
KSC815-Y	123AP
KSC815Y	123AP
KSC838	123AP
KSC838-O	123AP
KSC838R	123AP
KSC838Y	123AP
KSC839	123AP
KSC853	123AP
KSC853G	123AP
KSC853-O	123AP
KSC853R	123AP
KSC853Y	123AP
KSC900	123AP
KSC900Y	123AP
KSC921	123AP
KSC921-O	123AP
KSC921R	123AP
KSC921Y	123AP
KSC940	283
KSC940N	283
KSC940R	283
KSC945	123AP
KSC945-0	123AP
KSC945G	123AP
KSC945-O	123AP
KSC945Y	123AP
KSC945-Y	123AP
KSC1008	128P
KSC1008-O	128P
KSC1008R	128P
KSC1008Y	128P
KSC1072	123AP
KSC1072-O	123AP
KSC1072R	123AP
KSC1072Y	123AP
KSC1096	186A
KSC1096-0	186A
KSC1096-O	186A
KSC1096R	186A
KSC1096-Y	186A
KSC1098	186
KSC1098-O	186
KSC1098R	186
KSC1187(EBC)	229
KSC1187-0(EBC)	229
KSC1187O(EBC)	229
KSC1187-Q(EBC)	229
KSC1187R(EBC)	229
KSC1187-R(EBC)	229
KSC1188	108
KSC1188-O	108
KSC1188R	108

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
KSC1213	123AP
KSC1213-O	123AP
KSC1213R	123AP
KSC1213Y	123AP
KSC1222(EBC)	199
KSC1330	123AP
KSC1330G	123AP
KSC1330-O	123AP
KSC1330Y	123AP
KSC1393A	69
KSC1393A-O	69
KSC1393AR	69
KSC1394A	69
KSC1394A-O	69
KSC1394AR	69
KSC1395	108
KSC1395R	108
KSC1396	108
KSC1396R	108
KSC1400	194
KSC1507	198
KSC1507-0	198
KSC1507A	198
KSC1507AO	198
KSC1507A-O	198
KSC1507AY	198
KSC1507A-Y	198
KSC1507K	198
KSC1507L	198
KSC1507O	198
KSC1507-O	198
KSC1507R	198
KSC1507-Y	198
KSC1520	198
KSC1520-O	198
KSC1520R	198
KSC1520Y	198
KSC1674	108
KSC1674-0(BCE)	107
KSC1674-O	108
KSC1674R	108
KSC1675	123AP
KSC1675-0	123AP
KSC1675-O	123AP
KSC1675R	123AP
KSC1675Y	123AP
KSC1730	107
KSC1730-O	107
KSC1730R	107
KSC2120Y	289A
KSC2310	399
KSC2310-O	399
KSC2310R	399
KSC2310Y	399
KSC2328	24
KSC2328-O	24
KSC2328Y	24
KSC2330	399
KSC2330-O	399
KSC2330R	399
KSC2330Y	399
KSC2331	24
KSC2331-O	24
KSC2331Y	24
KSC2331YT	24
KSC2577	36
KSC2578	36
KSC2579	36
KSC2580	36
KSC2581	36
KSC2665	390#
KSD73	331
KSD73-O	331
KSD73R	331
KSD73Y	54
KSD227	123AP
KSD227G	123AP
KSD227-O	123AP
KSD227Y	123AP
KSD261	123AP
KSD261G	123AP
KSD261-O	123AP
KSD261R	123AP
KSD261-Y	123AP
KSD261Y	123AP
KSD288	241
KSD288R	241
KSD362	54
KSD362N	54
KSD362-N	54
KSD362-O	54
KSD362R	54
KSD362Y	54
KSD363	379
KSD401	375
KSD401A	375
KSD401-O	375
KSD401R	375
KSD401Y	375
KSD401-Y	375
KSD405-O	375
KSD415	287
KSD415-0	287
KSD415D	287
KSD415-O	287
KSD415O	287
KSD415R	287
KSD471-Y(EBC)	293
KSD471Y(EBC)	293
KSD564-Y	294
KSD807M	165
KSD1051	130
KSD1052	280
KSD1053	280
KSD1054	280
KSD1055	130
KSD1056	130
KSD1057	280
KSD1058	280
KSD2201	280
KSD2202	280
KSD2203	181
KSD3055	181
KSD4150	287
KSD9701	284
KSD9701A	284
KSD9702	284
KSD9702A	284
KSD9703	284
KSD9703A	284
KSD9704	284
KSD9705	284
KSD9706	284
KSD9707	284
KSKE12C500	125
KSKE40C200	116
KSKE40C500	116
KSKE125C200	125
KSO33A	134A
KSO33B	134A
KSO36A	134A
KSO39A	134A
KSO39B	134A
KSO47A	135A
KSO47B	135A
KSO51A	135A
KSO56A	136A
KSO56B	136A
KSO62A	137A
KSO91A	139A
KSP1171	328
KSP1172	328
KSP1173	328
KSP1174	328
KSP1175	328
KSP1176	328
KT205	501B
KT205/200	5633
KT209A	159
KT209D	159
KT209E	159
KT209G	159
KT209I	159
KT209K	159
KT209L	159
KT209M	159
KT209RB	159
KT209S	159
KT209U	159
KT209V	159
KT313A	159
KT313B	159
KT501	5402
KT501A	159
KT501B	159
KT501D	159
KT501E	159
KT501G	159
KT501L	159
KT501M	159
KT501V	159
KT630A	396
KT630B	396
KT630D	324
KT630E	324
KT630G	324
KT630V	396
KT928A	128
KT928V	128
KT1017	121
KT3102A	123A
KT3102B	123A
KT3102D	123A
KT3102E	123A
KT3102G	123A
KT3102V	123A
KT3107A	159
KT3107B	159
KT3107D	159
KT3107E	159
KT3107G	159
KT3107SZ	159
KT3107V	159
KTA200(ECB)	159
KTA200-O(ECB)	159
KTA200Y(ECB)	159
KTA473	153
KTA473-O	153
KTA562	290A
KTA562-O	290A
KTA562TM	290A
KTA562TM-O	290A
KTA562TM-O(TA)	290A
KTA562TM-T	290A
KTA562TM-Y	290A
KTA562TMY	290A
KTA562-Y	290A
KTA562Y	290A
KTA817	383
KTA817A	383
KTA817AO	383
KTA817AY	383
KTA940	398
KTA950	290A
KTA950-O	290A
KTA950Y	290A
KTA965	32
KTA965-O	32
KTA965Y	32
KTA966AY	294
KTA1013	32
KTA1013-O	32
KTA1013R	32
KTA1013Y	32
KTA1015	290A
KTA1015-O	290A
KTA1015Y	290A
KTA1173	152
KTA1173-O	152
KTB595	55
KTB595-O	55
KTB595R	55
KTB595Y	55
KTB596	292
KTB596-0	292
KTB596R	292
KTB686	37
KTB686-O	37
KTB686R	37
KTB688	37
KTB688-O	37
KTB688R	37
KTB755	34
KTB755-O	34
KTB755R	34
KTB834	153
KTB834-O	153
KTB834Y	153
KTB834-Y	153
KTC200	85
KTC200-O	85
KTC200Y	85
KTC380TM-O	107
KTC380TM-R	107
KTC382(ECB)	229
KTC388A	107
KTC388ATM	85
KTC732TM-BL	199
KTC732TM-GR	199
KTC790-Y	152
KTC1173-O	152
KTC1569	376
KTC1627	382
KTC1627A	382
KTC1627AO	382
KTC1627AY	382
KTC1627-Y	382
KTC1815	85
KTC1815-0	85
KTC1815BL	85
KTC1815-D	85
KTC1815GR	85
KTC1815-GR	85
KTC1815-O	85
KTC1815Y	85
KTC-1815Y	85
KTC1815-Y	85
KTC1815YY	85
KTC1923BN(ECB)	229
KTC1923-O	107
KTC1923R(ECB)	229
KTC1959-O	85
KTC1959Y	85
KTC2068	376
KTC2068-1	376
KTC2068FA-1	376
KTC2073	375
KTC2073FA-2	375
KTC2120	289A
KTC2120-0	289A
KTC2120Y	289A
KTC2229	399
KTC2229-O	399
KTC2229O	399
KTC2229-Y	399
KTC2229Y	399
KTC2230	399
KTC2230A	399
KTC2230AY	399
KTC2230Y	399
KTC2233	379
KTC2233FA-1	379
KTC2235	31
KTC2235-O	31
KTC2235Y	31
KTC2235-Y	382◆
KTC2236AY	293
KTC2383	31
KTC2383-O	31
KTC2383R	31
KTC2383Y	31
KTC2482	399
KTC2482(TA)	399
KTC2482FA-1	399
KTC9011	85
KTC9011A	123AP
KTC9011AF	123AP
KTC9011AG	123AP
KTC9011AH	123AP
KTC9011AI	123AP
KTC9011F	85
KTC9011G	85
KTC9011H	85
KTC9011I	85
KTC9012	159
KTC9012A	159
KTC9012AE	159
KTC9012AF	159
KTC9012AG	159
KTC9012AH	159
KTC9012AI	159
KTC9013	85
KTC9013A	123AP
KTC9013A(H)	123AP
KTC9013AE	123AP
KTC9013AF	123AP
KTC9013AG	123AP
KTC9013AH	123AP
KTC9013AI	123AP
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KTC9013G	85
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KTC9014	85
KTC9014A	123AP
KTC9014AA	123AP
KTC9014AB	123AP
KTC9014AC	123AP
KTC9014B	85
KTC9015	159
KTC9015A	159
KTC9015A(ECB)	290A
KTC9015AA	159
KTC9015AB	159
KTC9015B(ECB)	290A
KTC9016	107
KTC9016E	107
KTD525	54
KTD525R	54
KTD525Y	54
KTD526	291
KTD526-O	291
KTD526R	291
KTD716	36
KTD716-O	36
KTD716R	36
KTD718	36
KTD718-O	36
KTD718R	36
KTD845	33
KTD845-O	33
KTD845R	33
KTD880	152
KTD880-O	152
KTD880-Y	152
KTD880Y	152
KTDS525-O	54
KTK30A(SGD)	459
KTK30AGR(SGD)	459
KTK30AO(SGD)	459
KTK30AR(SGD)	459
KTK30AY(SGD)	459
KTK117	458
KTK117GR	458
KTK117-O	458
KTK117Y	458
KTK161	451
KTK161GR	451
KTK161Y	451
KTK192A(DSG)	312
KTK192AGR(DSG)	312
KTK192AY(DSG)	312
KTL9213	3169
KTL9233	3170
KTL9253	3171
KTL53173	3182
KTL54173	3181
KTL57173	3180
KTN5011	107
KTN5011-O	107
KTN5011R	107
KTN5012	85
KTN5012-O	85
KTN5012Y	85
KTN5013	85
KTN5013-O	85
KTN5013Y	85
KTN5016	107
KTN5016BN	107
KTN5016-O	107
KTN5016R	107
KTP5512(ECB)	159
KTP5512-O(ECB)	159
KTP5512Y(ECB)	159
KTP5513(ECB)	159
KTP5513GR(ECB)	159
KTP5513-O(ECB)	159
KTP5513Y(ECB)	159
KTR0710C	123A
KTR0815C	123A
KTR0839C	123A
KTR0945C	199
KTR1017	299
KTR1096C	186A
KTR1687C	123A
KTTA1015O	290A
KU1002	6154
KU1002K	432/6154
KU1002KR	432/6155
KU1002R	6155
KU1004	6154
KU1004K	432/6154
KU1004KR	432/6155
KU1004R	6155
KU1006	6156
KU1006K	432/6156
KU1006KR	432/6157
KU1006R	6157
KU1008	6158
KU1008K	432/6158
KU1008KR	432/6159
KU1008R	6159
KU1010	6158
KU1010K	432/6158
KU1010KR	432/6159
KU1010R	6159
KU1012	6162
KU1012K	432/6162
KU1012KR	6163/432
KU1012R	6163
KU1014	6162
KU1014K	432/6162
KU1014KR	6163/432
KU1014R	6163
KU1502	6154
KU1502K	432/6154
KU1502KR	432/6155
KU1502R	6155
KU1504	6154
KU1504K	432/6154
KU1504KR	432/6155
KU1504R	6155
KU1506	6156
KU1506K	432/6156
KU1506KR	432/6157
KU1506R	6157
KU1508	6158
KU1508K	432/6158
KU1508KR	432/6159
KU1508R	6159
KU1510	6158
KU1510K	432/6158
KU1510KR	432/6159
KU1510R	6159
KU2402E	6354‡
KU2402ER	6355‡
KU2402K	6354
KU2402KR	6355
KU2404E	6354‡
KU2404ER	6355‡
KU2404K	6354
KU2404KR	6355
KU2406E	6356‡
KU2406ER	6357‡
KU2406K	6356
KU2406KR	6357
KU2408E	6358‡
KU2408ER	6359‡
KU2408K	6358
KU2408KR	6359
KV-1	102A
KV1	102A
KV2	102A
KV-3(1)	601
KV4	102A
KV-4	102A
KV109G	612
KV110E	613
KV110V	613
KV112	611
KV112A	611
KV151	611
KV620	610
KV624	611
KV626	612
KV634	613
KV638	614
KV1236	618(2)
KV4801	610
KV4801A	610
KVR10	140A
KX-1	177
KY130/150	125
KZ6	5071A
KZ6A	5071A
KZ6ZA	5071A
KZ-8A	5072A
KZ141	5010A
KZ713	5197A
KZ1075	5015A
KZ1075-M	5015A
L005-T1	931
L036-T1	1914
L037-T1	1916
L-0899	3007
L-0963	3007
L-023762	130
L-031450	5802
L-061366	289A
L14F1	3036
L14F2	3036
L14H1	3034
L14H2	3034
L14H3	3034
L14H4	3034
L32H	116
L62H	116
L78M05	960
L78M05CV	960
L78M06	962
L78M06CV	962
L78M08	964
L78M08CV	964
L78M09	1902
L78M09-RA	1902
L78M12	966
L78M12CV	966
L78M12-RA	966
L78M12RL	966
L78M15	968
L78M15CV	968
L78M24	972
L78M24CV	972
L78N05	960◆
L78N06	962◆
L78N08	964◆
L78N10	1932◆
L78N12	966◆
L78N12-RA	966◆
L78N15	968◆
L78N18	958◆
L78N24	972◆
L82H	125
L103T1	703
L120	936
L120A	936
L121	939
L121A	939
L123B1	923D
L123CB	923D
L123CT	923
L123-T1	923
L129	960
L130	966
L131	968
L-141-B1	941D
L141T1	941
L148T1	1171
L148T2	1171
L159	912
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L200E7	5655
L200E9	5655
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L202B-4	2012
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L203B	2013
L203B-4	2013
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L204B	2014
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L295	1750
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L296H-5V	1681
L296H-12	1681
L296H-12V	1681
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L296K	1681
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L400E7	5656
L400E9	5656
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L-417-29GRN	121
L-417-29WHT	121
L-417-60	121
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L1272CC	2082
L1273RCC	2083
L1287CC	2084
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L2004L3	5638◆
L2004L5	5638
L2004L7	5638
L2004L9	5638
L2005CT	931
L2005CV	960
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L2006L7	5638
L2006L9	5638
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L2008L7	5638
L2008L9	5638
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L4004L3	5638◆
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L5025A	102A
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L5122	160
L5181	160
L5630	615A
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L7808CV	964
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L7815CT	1916
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L7818CT	1920
L7818CV	958
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L7824CV	972
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L7912CT	1915
L7915CT	1919
L7915CZK	1919
L7918CT	1923
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LA600	116
LA703E	703
LA741HC	941
LA800	116
LA1041	1013
LA1110	1014
LA1111	1002
LA1111P	1002
LA1130	1533
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LA1140	1604
LA1150	1541
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LA1160AM	1578
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LA1201W	1003
LA1202	1003
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LA1230	788
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LA1230Z	788
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LA1231AT	1441
LA1231N	1441
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LA1245	1608
LA1310	1230
LA1320	1443
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LA1320AM	1443
LA1342	710
LA1352	1186
LA1353	1080
LA1354	1187
LA1355	1215
LA1357	1483
LA1357A	1483
LA1357AR	1483
LA1357N	1483
LA1357NA	1483
LA1357NB	1483
LA1357R	1483
LA1363	712
LA1363W	712
LA1364	1004
LA1364N	1004
LA1365	712
LA1365N	712
LA1365P	712
LA1365V	712
LA1366N	1158
LA1367	1159
LA1368	738
LA1368BP	738
LA1368CW	738
LA1369	1178
LA1373	1094
LA1374	1121
LA1375	1122
LA1376	1122
LA1383	712
LA1385	1245
LA1388	1535
LA1388AR	1535
LA1390	1216
LA1390B	1216
LA1390C	1216
LA1460	1445
LA1460AS	1445
LA2100	1447

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To Be Replaced	ECG Replacement
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LA2101AC	1447
LA2600	1439
LA2600AT	1439
LA2600S	1439
LA3018	904
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LA3026	906
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LA3046	912
LA3049	906
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LA3101	1221
LA3115	1453
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LA3120	1457
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LA3122	1455
LA3122AK	1455
LA3130	1449
LA3130AM	1449
LA3133	1451
LA3133AR	1451
LA3148	727
LA3150	1459
LA3150AC	1459
LA3155	1215
LA3160	1170
LA3161	1170
LA3201	1179
LA3210	1466
LA3210AS	1466
LA3220	1634
LA3300	1005
LA3301	1006
LA-3301	1006
LA3301A	1006
LA3310	1230
LA3311	1225
LA3350	1217
LA3350A	1217
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LA3350P	1217
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LA4030P	1009
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LA4032P	1011
LA4050P	1150
LA4051P	1150
LA4100	1180
LA4101	1180
LA4102	1228
LA4110	1472
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LA4125T	1382
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LA4140	1465
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LA4142	1465
LA4170	1477
LA4170AK	1477
LA4175	1481
LA4175AM	1481
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LA4185TM	1637
LA4192	1667
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LA4192S	1667
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LA4400	1193
LA4400FR	1193
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LA-4410Y	1211
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LAS15A12	933◆
LAS15CB	934◆
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LAS19CB	934◆
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LB1291	2022
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LB1405	1515
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LB2032	9099
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LB2101	9963
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LB2106	9937
LB2130	9948
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LB2132	9097
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LB3175	7491
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LC4081B	4081B
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LC6889TY	6889
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LD-41-II	3025
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LD50-1	3025
LD50-11	3025
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LD52-2	3023
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LD3141V	OBS-NLA
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LDA450	129
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LDF604	456
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LED55C	3028
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LED56F	3028
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LF353N	858M
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LLM340K-24	1924
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LM224AF	987
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LM239AD	834
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LM301AP	975
LM301AP1	975
LM301AT	975
LM301AV	975
LM301DN1	975SM
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LM305H-L/Z	1928
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LM307H	937
LM307J	976
LM307J-14	941D
LM307N	976
LM307P	976
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LM308AJ-8	938M
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LM308J-8	938M
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LM308T	938
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LM310H	924
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LM311PG	922M
LM311T	922
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LM317KCG(Plastic)	956
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LM317TW	956
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LM318M	918SM
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LM319J	919D
LM319K	919
LM319N	919D
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LM323K	931
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LM337K	1911
LM337KC	957
LM337KCG	957
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LM337LBZ	1901
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LM341P-12	966
LM341P-15	968
LM341P15	968
LM341P-24	972
LM342P5.0	960
LM342P8.0	964
LM342P-12	966
LM342P12	966
LM342P15	968
LM348	948
LM348D	948SM
LM348DN1	948SM
LM348J	948
LM348M	948SM
LM348N	948
LM350K	970
LM350KCG	970
LM358AH	928
LM358AN	928M
LM358AT	928M
LM358D	928SM
LM358DN1	928SM
LM358H	928
LM358J	928M
LM358JG	928M
LM358L	928
LM358M	928SM
LM358N	928M
LM358P	928M
LM358T	928
LM359J	869
LM359N	869
LM370	370A§
LM371	OBS-NLA
LM373N	800
LM376N	1930
LM377	990
LM377KC	957
LM377N	990
LM378	804
LM378N	804
LM380	740A
LM380N	740A
LM381	942
LM381A	942
LM381AN	942
LM381BR	942
LM381N	942
LM383	1232
LM383T	1232
LM384BC2	862
LM384N	862
LM384NC2	862
LM385BZ-2.5	952◆
LM386	823
LM386A	823
LM386AN	823
LM386N	823
LM-386-N-1	745
LM386N-1	745
LM386N-3	823
LM387	824
LM387AN	824
LM387N	824
LM388N	828
LM390AH	825
LM390AI	825
LM390AJ	825
LM390N	825
LM393D	943SM
LM393DN1	943SM
LM393JG	943M
LM393M	943SM
LM393MF	943
LM393MR	943M
LM393N	943M
LM393P	943M
LM555	955M
LM555C	955M
LM555CM	955SM
LM555CN	955M
LM555DN1	955SM
LM556	978
LM556CN	978
LM556DN1	978SM
LM556M	978SM
LM565CN	989
LM566CH	994
LM566CN	994M
LM566H	994
LM566N	994M
LM567	832
LM567C	832
LM567CM	832SM
LM567CN	832
LM567GN	832
LM578D	126A
LM703	703
LM703L	703

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
LM703LN	703
LM709C	909
LM709CH	909
LM709CN	909D
LM710C	910
LM710CH	910
LM710CN	910D
LM711C	911
LM711CH	911
LM711CN	911D
LM723	923
LM723C	923D
LM723CD	923D
LM723CH	923
LM723CN	923D
LM723DC	923
LM723H	923
LM725CH	925
LM733CH	927
LM733CN	927D
LM741C	941
LM741CH	941
LM741CM	941SM
LM741CN	941M
LM741D	941SM
LM746N	790
LM747C	947
LM747CD	947D
LM747CH	947
LM747CJ	947D
LM747CN	947D
LM748CH	1171
LM748CN	975
LM1011	2003
LM1011A	2003
LM1011AN	2003
LM1011N	2003
LM1090E	123A
LM1090F	123A
LM1090G	123A
LM1110A	108
LM1110B	107
LM1117	199
LM1117C	199
LM1117D	123A
LM1120B	107
LM1120C	107
LM1123H	108
LM-1129	123A
LM-1130	123A
LM-1132	123A
LM1133	233
LM-1133	123A
LM1138	229
LM1138E	229
LM1138E/F	229
LM1138F	229
LM1138G	229
LM1138G/F	229
LM1138G/H	108
LM1138H	229
LM1138H/I	229
LM1138I	229
LM-1147	123A
LM-1148	123A
LM-1149	159
LM-1150	159
LM-1151	159
LM1153	159
LM-1153	159
LM-1154	171
LM-1155	123A
LM-1156	191
LM1157	182
LM-1157	182
LM-1158	116
LM-1159	177
LM-1160	116
LM1303	725
LM1303N	725
LM1304	718
LM1304N	718
LM1305	720
LM1305N	720
LM1307	722
LM1307N	722
LM1310	801
LM1310N	801
LM1351N	748A
LM1391N	815
LM1394N	836
LM1403	123A
LM1404	159
LM1405W	931
LM1408N-6	2056
LM1408N-7	2056
LM1412W	933
LM1415-6	123A
LM1415-7	123A
LM1458	778A
LM1458N	778A
LM1496	973
LM1496H	973
LM1496J	973D
LM1496N	973D
LM1496N(Transistor)	123A
LM1496N(IC)	973D
LM1501H	128(2)
LM1502H	129(2)
LM1540	123A
LM1540C	199
LM1566F	123A
LM1614D	123A
LM1614M	123A
LM1795	159
LM1796	399
LM1800	743
LM1800N	743
LM1808N	826
LM1818	123A
LM1819	1670
LM1819G	1670
LM1820	744
LM1820D	744
LM1823N	875
LM1829	797
LM1841N	737§
LM1845	731
LM1848	821
LM1862	116
LM-1862	116
LM1877	990
LM1877N	990
LM1877N-3	990
LM1877N-20	990
LM1877N-26	990
LM1880	852
LM1880N	852
LM1884	1655
LM1884N	1655
LM1889	846
LM1905W	932
LM1932	506
LM2020(Trans)	108
LM2111	708
LM2111N	708
LM2152	123AP
LM-2589	159
LM2589	159
LM2682(Trans)	123AP
LM2701	190
LM2820N	806
LM2896	1687
LM2896P-1	1687
LM2896P-2	1687
LM2900N	992
LM2901D	834SM
LM2901DN1	834SM
LM2901J	834
LM2901M	834SM
LM2902N	987
LM2902D	987SM
LM2902DN1	987SM
LM2902J	987
LM2902M	987SM
LM2904N	928M
LM2904J	928M
LM2904JG	928M
LM2904L	928
LM2904M	928SM
LM2904N	928M
LM2904P	928M
LM2917	995
LM2917-8	995M
LM2917N	995
LM2917N-8	995M
LM3011H	726
LM3012	726
LM3018	904
LM3019	905
LM3028	724
LM3028A	724
LM3028B	724
LM3028BH	724
LM3039H	907
LM3045D	912
LM3045J	912
LM3045N	912
LM3046D	912
LM3046N	912
LM3053	724
LM3054	917
LM3054N	917
LM3064	780
LM3064H	780
LM3064N	783
LM3065	712
LM3065N	712
LM3065N-01	712
LM3066	728
LM3067	729
LM3067N	729
LM3070	714
LM3070N	714
LM3071	715
LM3071N	715
LM3072	790
LM3072N	790
LM3075	723
LM3075N	723
LM3080	996
LM3080N	996
LM3086D	912
LM3086N	912
LM3089	788
LM3089N	788
LM3171LZ	1900
LM3189N	788
LM-3241	987
LM3301	992
LM3301N	992
LM3302	834
LM3302N	834
LM3401N	992
LM3458H	877
LM3820N	744
LM3900	992
LM3900N	992
LM3909	876
LM3909N	876
LM3909P1	876
LM3914-2	1508
LM3914-3	1508
LM3914CN	1508
LM3914N	1508
LM3915-1	1509
LM3915-2	1509
LM3915CN	1509
LM3915N	1509
LM3916CN	1549
LM3916N	1549
LM4250CH	944
LM4250CN	944M
LM4250MF	944
LM4250MR	944M
LM7805CK	931
LM7805CT	960
LM7812CK	1914
LM7812CT	966
LM7815CK	1916
LM7815CT	968
LM7905ACLP	1917
LM7905CK	1913
LM7905CT	961
LM7905ZCL	1917
LM7906CT	963
LM7908CT	965
LM7912CK	1915
LM7912CT	967
LM7915CK	1919
LM7915CT	969
LM7918CT	959
LM7924CT	971
LM8000	192
LM8360	2060
LM8360(LED Display)	2060
LM8360(VF Display)	2061§
LM8360D	2060
LM8360DH	2061§
LM8361	2061§
LM8361(VF Display)	2061§
LM8361(LED Display)	2060
LM8361D	2060
LM8361DH	2061§
LM8361W	2060
LM8560	2062
LM8560B	2062
LM8560G	2062
LM8560GA	2062
LM9016E	108
LM9016F	108
LM13600N	870
LM511160	181
LMC7812CK	1914
LMC7815CK	1916
LMC7818CK	1920
LMC7824CK	1924
LMC7905CK	1913
LMC7912CK	1915
LMC7915CK	1919
LMC7918CK	1923
LMC7924CK	1925
LMT540C	199
LMZ3.3	5111A
LMZ3.3-20	5111A
LMZ3.3A	5111A
LMZ3.6	5112A
LMZ3.6-20	5112A
LMZ3.6A	5112A
LMZ3.9	5113A
LMZ3.9-20	5113A
LMZ3.920	5113A
LMZ3.9A	5113A
LMZ4.3	5114A
LMZ4.3-20	5114A
LMZ4.3A	5114A
LMZ4.7	5115A
LMZ4.7-20	5115A
LMZ4.7A	5115A
LMZ5.1	5116A
LMZ5.1-20	5116A
LMZ5.1A	5116A
LMZ5.6	5117A
LMZ5.6-20	5117A
LMZ5.6A	5117A
LMZ6.0	5118A
LMZ6.0-20	5118A
LMZ6.0A	5118A
LMZ6.2	5119A
LMZ6.2-20	5119A
LMZ6.2A	5119A
LMZ6.8	5120A
LMZ6.8-20	5120A
LMZ6.8A	5120A
LMZ7.5	5121A
LMZ7.5-20	5121A
LMZ7.5A	5121A
LMZ8.2	5122A
LMZ8.2-20	5122A
LMZ8.2A	5122A
LMZ8.7	5123A
LMZ8.7-20	5123A
LMZ8.7A	5123A
LMZ9.1	5124A
LMZ9.1-20	5124A
LMZ9.1A	5124A
LMZ10	5125A
LMZ10-20	5125A
LMZ10A	5125A
LMZ11	5126A
LMZ11-20	5126A
LMZ11A	5126A
LMZ12	5127A
LMZ12-20	5127A
LMZ12A	5127A
LMZ13	5128A
LMZ13-20	5128A
LMZ13A	5128A
LMZ14	5129A
LMZ14-20	5129A
LMZ14A	5129A
LMZ15	5130A
LMZ15-20	5130A
LMZ15A	5130A
LMZ16	5131A
LMZ16-20	5131A
LMZ16A	5131A
LMZ17	5132A
LMZ17-20	5132A
LMZ17A	5132A
LMZ18	5133A
LMZ18-20	5133A
LMZ18A	5133A
LMZ19	5134A
LMZ19-20	5134A
LMZ19A	5134A
LMZ20	5135A
LMZ20-20	5135A
LMZ20A	5135A
LMZ22	5136A
LMZ22-20	5136A
LMZ22A	5136A
LMZ24	5137A
LMZ24-20	5137A
LMZ24A	5137A
LMZ25	5138A
LMZ25-20	5138A
LMZ25A	5138A
LMZ27	5139A
LMZ27-20	5139A
LMZ27A	5139A
LMZ28	5140A
LMZ28-20	5140A
LMZ28A	5140A
LMZ30	5141A
LMZ30-20	5141A
LMZ30A	5141A
LMZ33	5142A
LMZ33-20	5142A
LMZ33A	5142A
LMZ36	5143A
LMZ36-20	5143A
LMZ36A	5143A
LMZ39	5144A
LMZ39-20	5144A
LMZ39A	5144A
LMZ43	5145A
LMZ43-20	5145A
LMZ43A	5145A
LMZ47	5146A
LMZ47-20	5146A
LMZ47A	5146A
LMZ51	5147A
LMZ51-20	5147A
LMZ51A	5147A
LMZ56	5148A
LMZ56-20	5148A
LMZ56A	5148A
LMZ60	5149A
LMZ60-20	5149A
LMZ60A	5149A
LMZ62	5150A
LMZ62-20	5150A
LMZ62A	5150A
LMZ68	5151A
LMZ68-20	5151A
LMZ68A	5151A
LMZ75	5152A
LMZ75-20	5152A
LMZ75A	5152A
LMZ82	5153A
LMZ82-20	5153A
LMZ82A	5153A
LMZ87	5154A
LMZ87-20	5154A
LMZ87A	5154A
LMZ91	5155A
LMZ91-20	5155A
LMZ91A	5155A
LMZ100	5156A
LMZ100-20	5156A
LMZ100A	5156A
LMZ110	5157A
LMZ110-20	5157A
LMZ110A	5157A
LMZ120	5158A
LMZ120-20	5158A
LMZ120A	5158A
LMZ130	5159A
LMZ130-20	5159A
LMZ130A	5159A
LMZ140	5160A
LMZ140-20	5160A
LMZ140A	5160A
LMZ150	5161A
LMZ150-20	5161A
LMZ150A	5161A
LMZ160	5162A
LMZ160-20	5162A
LMZ160A	5162A
LMZ170	5163A
LMZ170-20	5163A
LMZ170A	5163A
LMZ180	5164A
LMZ180-20	5164A
LMZ180A	5164A
LMZ190	5165A
LMZ190-20	5165A
LMZ190A	5165A
LMZ200	5166A
LMZ200-20	5166A
LMZ200A	5166A
LMZX3.3	5111A
LMZX3.3A	5111A
LMZX3.6	5112A
LMZX3.6A	5112A
LMZX3.9	5113A
LMZX3.9A	5113A
LMZX4.3	5114A
LMZX4.3A	5114A
LMZX4.7	5115A
LMZX4.7A	5115A
LMZX5.1	5116A
LMZX5.1A	5116A
LMZX5.6	5117A
LMZX5.6A	5117A
LMZX6.0	5118A
LMZX6.0A	5118A
LMZX6.2	5119A
LMZX6.2A	5119A
LMZX6.8	5120A
LMZX6.8A	5120A
LMZX7.5	5121A
LMZX7.5A	5121A
LMZX8.2	5122A
LMZX8.2A	5122A
LMZX8.7	5123A
LMZX8.7A	5123A
LMZX9.1	5124A
LMZX9.1A	5124A
LMZX10	5125A
LMZX-10	140A
LMZX10A	5125A
LMZX11	5126A
LMZX11A	5126A
LMZX12	5127A
LMZX12A	5127A
LMZX13	5128A
LMZX13A	5128A
LMZX14	5129A
LMZX14A	5129A
LMZX15	5130A
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LMZX16	5131A
LMZX16A	5131A
LMZX17	5132A
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LMZX18A	5133A
LMZX19	5134A
LMZX19A	5134A
LMZX20	5135A
LMZX20A	5135A
LMZX22	5136A
LMZX22A	5136A
LMZX24	5137A
LMZX24A	5137A
LMZX25	5138A
LMZX25A	5138A
LMZX27	5139A
LMZX27A	5139A
LMZX28	5140A
LMZX28A	5140A
LMZX30	5141A
LMZX30A	5141A
LMZX33	5142A
LMZX33A	5142A
LMZX36	5143A
LMZX36A	5143A
LMZX39	5144A
LMZX39A	5144A
LMZX43	5145A
LMZX43A	5145A
LMZX47	5146A
LMZX47A	5146A
LMZX51	5147A
LMZX51A	5147A
LMZX56	5148A
LMZX56A	5148A
LMZX60	5149A
LMZX60A	5149A
LMZX62	5150A
LMZX62A	5150A
LMZX68	5151A
LMZX68A	5151A
LMZX75	5152A
LMZX75A	5152A
LMZX82	5153A
LMZX82A	5153A
LMZX87	5154A
LMZX87A	5154A
LMZX91	5155A
LMZX91A	5155A
LMZX100	5156A
LMZX100A	5156A
LMZX110	5157A
LMZX110A	5157A
LMZX120	5158A
LMZX120A	5158A
LMZX130	5159A
LMZX130A	5159A
LMZX140	5160A
LMZX140A	5160A
LMZX150	5161A
LMZX150A	5161A
LMZX160	5162A
LMZX160A	5162A
LMZX170	5163A
LMZX170A	5163A
LMZX180	5164A
LMZX180A	5164A
LMZX190	5165A
LMZX190A	5165A
LMZX200	5166A
LMZX200A	5166A
LN02202P	3156
LN02302P	3157
LN02402P	3158
LN03202P	3156
LN03302P	3157
LN03402P	3158
LN04202P	3156
LN04302P	3157
LN04402P	3158
LN05202P	3156
LN05302P	3157
LN05402P	3158
LN06202P	3156
LN06302P	3157
LN06402P	3158
LN07202P	3156
LN07302P	3157
LN07402P	3158
LN21	3021
LN21CP	3022
LN21RCPHL	3022
LN21W	3020
LN28RCPP	3007
LN28RP	3007
LN31	3024
LN32	3010
LN38GCPP	3010
LN212RP	3172
LN-217RP	3156
LN217RP	3156
LN312GP	3173
LN317GP	3157
LN322S	3007
LN362A	137A
LN412YP	3174
LN417YP	3158
LN514RA	3068
LN524RA	3074
LN526RA	3074
LN526RK	3075
LN733ACE	927
LN733ACP	927D
LN2064B	2085
LN75116	181
LN75497	130
LN76963	129
LN78533	390
LNA339A	5067A
LNA343A	5068A
LNA347A	5069A
LNA351A	5116A
LNA356A	136A
LNA368A	5071A
LNA375A	138A
LNA382A	5072A
LNA391A	139A
LNA3100A	140A
LO5-E	125
LP1H	116
LP2H	116
LP3H	116
LP4H	116
LPM3.6	134A
LPM3.6A	134A
LPM4.7	135A
LPM4.7A	135A
LPM5.6	136A
LPM5.6A	136A
LPM6.8A	5071A
LPM7.5A	138A
LPM8.2A	5072A
LPM9.1	139A
LPM9.1A	139A
LPM10A	140A
LPM11	141A
LPM11A	5074A
LPM12	142A
LPM12A	142A
LPM13	143A
LPM13A	143A
LPM15	145A
LPM15A	145A
LPM18A	5077A
LPM20A	5079A
LPM22A	5080A
LPM24A	5081A
LPM27	146A
LPM27A	146A
LPM30A	5084A
LPM33	147A
LPM33A	147A
LPM36A	5085A
LPM39A	5086A
LPM43A	5087A
LPM47A	5088A
LPM51A	5089A
LPM56	148A
LPM56A	5090A
LPM62	149A
LPM62A	149A
LPM68A	5092A
LPM75A	5093A
LPM82	150A
LPM82A	150A
LPM91A	5095A
LPM100A	5096A
LPM110	151A
LPM110A	151A
LPMX9.1A	139A
LPZT12	142A
LPZT15	145A
LPZT27	146A
LPZT33	147A
LQ6025	5672
LR33H	5005A
LR39CH	134A
LR47CH	135A
LR51CH	135A
LR56C	136A
LR56CH	135A
LR62C	137A
LR62CH	137A
LR68C	5071A
LR75C	138A
LR82C	5072A
LR91C	139A
LR91CH	139A
LR100C	140A
LR100CH	140A
LR110C	5074A
LR120C	142A
LR120CH	142A
LR130C	143A
LR150C	145A
LR150CH	145A
LR160C	5075A
LR180C	5077A
LR200C	5079A
LR220C	5080A
LR240C	5081A
LR270C	146A
LR300C	5084A
LR330C	147A
LR360C	5085A
LR390C	5086A
LR4089	1690
LR4173	1731
LR40981	1693
LR40992	1691
LR40993	1692
LRB283	725
LRQ849	123A
LRR-50	116
LRR-100	116
LRR-200	116
LRR-300	116
LRR-400	116
LRR-500	116
LS00	74LS00
LS-0031-AR-218	199
LS-0066	152
LS-0067	153
LS-0079-01	159
LS-0079-02	159
LS-0085-01	123A
LS-0095-AR-2i3	199
LS-0095-AR-213	199
LS01	74LS01
LS02	74LS02
LS03	74LS03
LS04	74LS04
LS05	74LS05
LS08	74LS08
LS09	74LS09
LS10	74LS10
LS11	74LS11
LS12	74LS12
LS13	74LS13
LS14	74LS14
LS15	74LS15
LS20	74LS20
LS21	74LS21
LS22	74LS22
LS26	74LS26
LS27	74LS27
LS30	74LS30
LS32	74LS32
LS37	74LS37
LS38	74LS38
LS40	74LS40
LS42	74LS42
LS47	74LS47
LS48	74LS48
LS49	74LS49
LS51	74LS51
LS52	104
LS54	74LS54
LS55	74LS55
LS73	74LS73
LS74	74LS74A
LS74A	74LS74A
LS75	74LS75
LS76	74LS76A
LS76A	74LS76A
LS78	74LS78
LS83	74LS83A
LS83A	74LS83A
LS85	74LS85
LS86	74LS86
LS86N	74LS86
LS90	74LS90
LS92	74LS92
LS93	74LS93
LS107	74LS107
LS109	74LS109A
LS109A	74LS109A
LS112	74LS112A
LS112A	74LS112A
LS113	74LS113
LS114	74LS114
LS123	74LS123
LS125	74LS125A
LS125A	74LS125A
LS126	74LS126
LS132	74LS132
LS136	74LS136
LS138	74LS138
LS139	74LS139
LS147	74LS147
LS151	74LS151

♦, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
LS153	74LS153
LS155	74LS155
LS156	74LS156
LS157	74LS157
LS158	74LS158
LS160	74LS160A
LS160A	74LS160A
LS161	74LS161A
LS161A	74LS161A
LS162	74LS162A
LS162A	74LS162A
LS163	74LS163A
LS163A	74LS163A
LS164	74LS164
LS166	74LS166
LS170	74LS170
LS173	74LS173
LS174	74LS174
LS175	74LS175
LS190	74LS190
LS191	74LS191
LS192	74LS192
LS193	74LS193
LS195	74LS195A
LS195A	74LS195A
LS196	74LS196
LS197	74LS197
LS221	74LS221
LS240	74LS240
LS241	74LS241
LS242	74LS242
LS243	74LS243
LS244	74LS244
LS245	74LS245
LS247	74LS247
LS248	74LS248
LS249	74LS249
LS251	74LS251
LS253	74LS253
LS257	74LS257
LS258	74LS258
LS259	74LS259
LS266	74LS266
LS273	74LS273
LS279	74LS279
LS280	74LS280
LS283	74LS283
LS290	74LS290
LS293	74LS293
LS298	74LS298
LS301AT	1171
LS307B	976
LS348	74LS348
LS352	74LS352
LS353	74LS353
LS363	74LS363
LS364	74LS364
LS365	74LS365A
LS365A	74LS365A
LS366	74LS366A
LS366A	74LS366A
LS367	74LS367
LS368	74LS368
LS370	370A§
LS371	OBS-NLA
LS373	74LS373
LS374	74LS374
LS377	74LS377
LS378	74LS378
LS379	74LS379
LS390	74LS390
LS393	74LS393
LS395	74LS395A
LS395A	74LS395A
LS490	74LS490
LS540	74LS540
LS541	74LS541
LS555	955M
LS555-2	978
LS624	74LS624
LS625	74LS625
LS626	74LS626
LS627	74LS627
LS629	74LS629
LS640	74LS640
LS641	74LS641
LS642	74LS642
LS643	74LS643
LS645	74LS645
LS670	74LS670
LS1496	973
LS3705	123A
LS4416(S,D,G)	312
LS5484	312
LS5485	312
LSC1008P	712
LSC10089	712
LSM-13L	3024
LSM-13L-50	3024
LSM-23L	3021
LSM-23L-50	3021
LSM-23L-A	3021
LST5253	3024
LST5353	3021
LST5753	3022
LT1016	108
LT1016D	108
LT1016E	108
LT1016H	229
LT1016I	108
LTE1016	229
LTE1016(G.E.)	108
LTH1016	229
LTH1016(G.E.)	108
LTI1016	107
LTL-9213	3169
LTL-9213A	3169
LTL-9233	3170
LTL-9233A	3170
LTL-9253	3171
LTL-9253A	3171
LTL-53173	3182
LTL53173	3182
LTL-54173	3181
LTL54173	3181
LTL57173	3180
LTL-57173	3180
LU2N544	126A
LUA7818KC	1920
LUA7824KC	1924
LUA7918KC	1923
LUA7924KC	1925
LVA43A	5068A
LVA47A	5069A
LVA51A	5116A
LVA56A	136A
LVA68A	5071A
LVA75A	138A
LVA82A	5072A
LVA91A	139A
LVA100A	140A
LVA156A	136A
LVA162	137A
LVA168	5071A
LVA343A	5068A
LVA351A	5116A
LVA356A	136A
LVA368A	5071A
LVA375A	138A
LVA382A	5072A
LVA391A	139A
LVA456A	136A
LVA462	137A
LVA468	5071A
LVA3100A	140A
LZ-081	5016A
LZ4.7	135A
LZ5.6	136A
LZ10	140A
M001-000029	6400B
M001-000164	116(4)
M-0027	116
M001003711	289A
M012	108
M024	108
M082B1	2042§
M083	2042§
M083B1	2042§
M086B1	2043
M094-585-46	159
M0-1029	2043
M02033	829
M08047L1	159
M04066313	85
M04070304	85
M04120303	153
M05131311	184
M05174321	5005A
M05200320	519
M07060320	519
M07061304	152
M07070304	85
M07085303	454
M07091331	605A
M07115343	1227
M07133322	5016A
M07139304	459
M07140303	91
M07140320	5029A
M07141322	5023A
M07215303	85
M07215304	290A
M07228303	293
M07240320	5802
M07288320	5031A
M07370305	90
M07370306	91
M07370343	778A
M07390303	85
M07390304	290A
M07391320	5802
M07444320	3163
M07447321	156
M07447322	5018A
M07454303	85
M07461346	1214
M07465343	1488
M07465344	1214
M07492321	519
M07493321	5016A
M07510310	74LS42
M07514320	156
M07514321	5023A
M07520320	5005A
M07554310	1338§
M07556310	1608
M07587300	85
M071442320	519
M0C1000	3040
M0C1001	3040
M0C1002	3040
M0C1005	3041
M0C1006	3041
M0C1100	3041
M0C1200	3041
M0C3002	3091
M0C3007	3091
M0C3009	3047
M0C3010	3047
M0C3011	3047
M0C3012	3047♦
M0C3020	3048
M0C3021	3048
M0C3022	3048
M0C3023	3048♦
M0C3030	3049
M0C3031	3049
M0C3032	3049♦
M0C3033	3091
M0C3040	3097
M0C3041	3097
M0C5007	3090
M0C5008	3090
M0C5009	3090
M0C7811	3100
M0C7812	3100
M0C7813	3100
M0C7821	3102
M0C7822	3102
M0C7823	3102
M0C8030	3044
M0C8050	3045
M0C8100	3096
M0C8111	3040
M0C8112	3041
M0C8113	3041
M0Z	116
M1-15R	116
M1-15S	116
M1-301	177
M1C946-5D	9946
M1C962-5D	9962
M1H	116
M1S-12795B	130
M1X	128
M1Z	116
M1Z(Diode)	116
M2-12	338
M2-19	339
M2-26	337
M2B	125
M2B(RECT)	125
M2N168A	101
M3d1	548
M3D15	548
M3D18	543
M3D22	543
M3D29	548
M3G	5605
M3G(Triac)	5629
M4B31	116(4)
M4B31-13	116(4)
M4B-31-22	5312
M4B41	156(4)
M4B41-13	156(4)
M4C51	5304♦
M4HZ	116
M4Z3.3	134A
M4Z3.3A	134A
M4Z3.9	134A
M4Z3.9A	134A
M4Z4.7	135A
M4Z4.7-20	135A
M4Z4.7A	135A
M4Z5.1	135A
M4Z5.1-20	135A
M4Z5.1A	135A
M4Z5.6	136A
M4Z5.6-20	136A
M4Z5.6A	136A
M4Z6.2	137A
M4Z6.2-20	137A
M4Z6.2A	137A
M4Z9.1	139A
M4Z9.1-20	139A
M4Z9.1A	139A
M4Z10	140A
M4Z10-20	140A
M4Z10A	140A
M4Z12	142A
M4Z12-20	142A
M4Z12A	142A
M4Z15	145A
M4Z15-20	145A
M4Z15A	145A
M4Z27	146A
M4Z27-20	146A
M4Z27A	146A
M4Z33	147A
M4Z62	149A
M4Z62A	149A
M4Z82	150A
M4Z110	151A
M5E555AP	955M
M5G1400P	2800
M5K4164ANP-15	2164
M5K4164NP	2164
M5K4164NP-15	2164
M5K4164NP-20	2164
M5K4164NS	2164
M5K4164NS-15	2164
M5K4164NS-20	2164
M5K4164P-15	6664
M5K4164P-20	6664
M5K4164S	6664
M5K4164S-15	6664
M5K4164S-20	6664
M5L2708K	2708
M5L2708K-65	2708
M5L2708S	2708
M5L2708S-65	2708
M5L2716K	2716
M5L2716K-65	2716
M5L2716S	2716
M5L2716S-65	2716
M5L2732K	2732
M5L2732K-6	2732
M5L2764	2764
M5L2764K	2764
M5L2764K-2	2764
M5L2764K-3	2764
M5L8080A	8080A
M5L8080AP	8080A
M5L8212	8212
M5L8212P	8212
M5L8216	8216
M5L8216P	8216
M5L8224	8224
M5L8224P	8224
M5L8228	8228
M5L8228P	8228
M5L8255AP-5	8255
M5R4558P	778A
M5S000P	74S00
M5S003P	74S03
M5S004P	74S04
M5S005P	74S05
M5S010P	74S10
M5S011P	74S11
M5S015P	74S15
M5S020P	74S20
M5S022P	74S22
M5S030P	74S30
M5S040P	74S40
M5S051P	74S51
M5S074P	74S74
M5S112P	74S112
M5S113P	74S113
M5S114P	74S114
M5S133P	74S133
M5S138P	74S138
M5S151P	74S151
M5S153P	74S153
M5S157P	74S157
M5S158P	74S158
M5S174P	74S174
M5S175P	74S175
M5S181P	74S181
M5S251P	74S251
M5S258P	74S258
M6HZ	116
M8D03	727
M8DO3(Motorola)	727
M8HZ	125
M9Z	139A
M10Z	140A
M12	116
M12Z	142A
M14	116
M14(Triac)	5667A
M15(Triac)	5667A
M15Z	145A
M16(Triac)	5667A
M21C	5404
M21C1R	5404
M21C/Q	5404
M21CQ	5404
M21C/R	5404
M21C-R	5404
M21CY	5404
M21C/Y	5404
M21Y	5404
M22	116
M24	123A
M24(Triac)	5667A
M24A	123A
M24B	123A
M25	123A
M25(Triac)	5667A
M25A	123A
M25B	123A
M25B2	123A
M26	177
M26(Triac)	5667A
M27Z	146A
M-31	116
M34A	109
M42	116
M51	109
M54	123A
M54A	123A
M54B	123A
M54BLK	123A
M54BLU	123A
M54BRN	123A
M54C	123A
M54D	123A
M54E	123A
M54GRN	123A
M54ORN	123A
M54RED	123A
M54WHT	123A
M54YEL	123A
M60	109
M62	116
M65A	159
M65B	159
M65C	159
M65D	159
M65E	159
M65F	159
M67	116
M67A	116
M67B	116
M67C	116
M68	116
M68A	116
M68B	116
M68C	116
M69	116
M69A	116
M69B	116
M69C	116
M70	116
M70A	116
M70B	116
M70C	116
M71	116
M71A	116
M71B	116
M71C	116
M72	125
M72A	125
M72B	125
M72C	125
M72D	156
M73	125
M73A	125
M73B	125
M73C	125
M74LS00P	74LS00
M74LS02P	74LS02
M74LS03P	74LS03
M74LS04P	74LS04
M74LS05P	74LS05
M74LS08P	74LS08
M74LS09P	74LS09
M74LS10P	74LS10
M74LS11P	74LS11
M74LS12P	74LS12
M74LS13P	74LS13
M74LS14P	74LS14
M74LS15P	74LS15
M74LS20P	74LS20
M74LS21P	74LS21
M74LS22P	74LS22
M74LS27P	74LS27
M74LS30P	74LS30
M74LS32P	74LS32
M74LS37P	74LS37
M74LS38P	74LS38
M74LS40P	74LS40
M74LS42P	74LS42
M74LS47P	74LS47
M74LS48P	74LS48
M74LS51P	74LS51
M74LS73AP	74LS73
M74LS74AP	74LS74A
M74LS74P	74LS74A
M74LS75P	74LS75
M74LS76AP	74LS76A
M74LS78P	74LS78
M74LS83AP	74LS83A
M74LS85P	74LS85
M74LS86P	74LS86
M74LS90P	74LS90
M74LS91	74LS91
M74LS91P	74LS91
M74LS92P	74LS92
M74LS93P	74LS93
M74LS95B	74LS95B
M74LS95BP	74LS95B
M74LS107AP	74LS107
M74LS109P	74LS109A
M74LS112AP	74LS112A
M74LS113P	74LS113
M74LS114P	74LS114
M74LS123P	74LS123
M74LS125AP	74LS125A
M74LS126AP	74LS126
M74LS132P	74LS132
M74LS136P	74LS136
M74LS138P	74LS138
M74LS139P	74LS139
M74LS145	74LS145
M74LS145P	74LS145
M74LS148	74LS148
M74LS148P	74LS148
M74LS151P	74LS151
M74LS153P	74LS153
M74LS155P	74LS155
M74LS156P	74LS156
M74LS157P	74LS157
M74LS158P	74LS158
M74LS160P	74LS160A
M74LS161AP	74LS161A
M74LS161P	74LS161A
M74LS162P	74LS162A
M74LS163P	74LS163A
M74LS164P	74LS164
M74LS166AP	74LS166
M74LS170P	74LS170
M74LS173P	74LS173
M74LS174P	74LS174
M74LS175P	74LS175
M74LS190P	74LS190
M74LS191P	74LS191
M74LS192P	74LS192
M74LS193P	74LS193
M74LS194A	74LS194A
M74LS194AP	74LS194A
M74LS195P	74LS195A
M74LS196P	74LS196
M74LS197P	74LS197
M74LS221P	74LS221
M74LS240P	74LS240
M74LS241P	74LS241
M74LS242P	74LS242
M74LS243P	74LS243
M74LS244P	74LS244
M74LS245	74LS245
M74LS245P	74LS245
M74LS247P	74LS247
M74LS257AP	74LS257
M74LS258AP	74LS258
M74LS259P	74LS259
M74LS273P	74LS273
M74LS279P	74LS279
M74LS280P	74LS280
M74LS283P	74LS283
M74LS290P	74LS290
M74LS293P	74LS293
M74LS298P	74LS298
M74LS365AP	74LS365A
M74LS366AP	74LS366A
M74LS367AP	74LS367
M74LS368AP	74LS368
M74LS374P	74LS374
M74LS377P	74LS377
M74LS393P	74LS393
M74LS670P	74LS670
M76	160
M77	160
M78	160
M78A	160
M78B	160
M78BLK	160
M78C	160
M78D	160
M78GRN	160
M78RED	160
M78YEL	160
M82	125
M84	104
M84B	121
M85	5673
M85(Triac)	5673
M86	5675
M86(Triac)	5675
M87	5675
M87(Triac)	5675
M91	107
M91A	123A
M91A01	116
M91A02	116
M91A03	116
M91A06	125
M91B	123A
M91BGRN	123A
M91C	123A
M91CM624	123A
M91D	123A
M91E	123A
M91F	123A
M91FM624	123A
M92	5673
M92(Triac)	5673
M93	5675
M93(Triac)	5675
M94	5675
M94(Triac)	5675
M95	109
M97-1A	8098
M97-1.5A	8139
M98	5683
M98(Triac)	5683
M99	5685
M99(Triac)	5685
M100(Zener)	312
M100(Triac)	5685
M101	462
M102	125
M104(TRIAC)	5683
M104(Triac)	5683
M105	5685
M105(Triac)	5685
M106	5685
M106(Triac)	5685
M107	463
M108	102A
M112(Triac)	5641
M113(Triac)	5642
M113(TRIAC)	5642
M113HA	282§
M114(D,G,C,S)	464♦
M116	465
M117	465
M120A05A	A40240
M120A10A	A40240
M120D05A	B40240
M120D10A	B40240
M124J779-1	116
M128J422-1	120
M-128J509-1	161
M-128J510-1	107
M-128J511-3	161
M128J753	120
M132(RadShk)	552
M135	138A
M135-1A	8139
M135-3A	8139
M140-1	107
M140-3	123A
M145-1A	8149
M147-2A	8149
M147-4A	8149
M147-5A	8149
M150	116
M150-1	177
M153-200	5633
M153-300	5635
M153-400	5635
M153-500	5637
M153-600	5637
M154-200	5633
M154-300	5635
M154-400	5635
M154-500	5637
M154-600	5637
M165-200	5633
M165-400	5635
M166-200	5633
M166-400	5635
M172A	116
M204B	116(4)
M240A05A	A40240
M240A10A	A40240
M240D05A	B40240
M240D10A	B40240
M300-1300A	128
M304/4050	755
M327R	5967
M328R	5967
M330R	5967
M351	160
M366-1(RadShk)	165
M401	161
M404(Zenith)	298
M423N(Zenith)	116
M433	172A
M446	159
M447	123A
M500	116
M500A	116
M500B	116
M500C	116
M501	121
M511-035-0001	923
M530	128
M546	161
M552AR35X	187A
M552-AR35X	187A
M604	166
M604HT	116
M612	161
M613	161
M614	161
M644	159
M652P1C	129
M670	116
M670A	116
M670B	116
M670C	116
M671	123A
M680	116
M680A	116
M680B	116
M680C	116
M690	116
M690A	116
M690B	116
M690C	116
M700	116
M700A	116
M700B	116
M700C	116
M701B	116
M702	125
M702B	125
M702C	116(2)
M710	116
M710A	116
M710B	116
M710C	116
M720	125
M720A	125
M720B	125
M720C	125
M726	269
M730	125
M730A	125
M730B	125
M730C	125
M758	136A
M773	123A
M773RED	123A
M774	123A
M774ORN	123A
M775	123A
M775BRN	123A
M776	123A
M776GRN	123A
M779	123A(2)
M779BLU	123A
M780	123A(2)
M780WHT	123A
M783	123A
M783RED	123A
M784	123A
M784ORN	123A
M785	123A
M785YEL	123A
M786	123A(2)
M787	123A(2)
M787BLU	123A
M791	123A
M818	123A
M818WHT	123A
M819	154
M822	123A
M822A	123A
M822A-BLU	123A
M822B	123A
M823	123A
M823B	123A
M823WHT	123A
M827	123A
M827BRN	123A
M828	129
M828GRN	123A
M829A	159
M829B	159
M829C	159
M829D	159
M829E	159

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
M829F	159
M833	159
M844	184
M847BLK	123A
M852	184
M895(Zenith)	123AP
M912	157
M-1002-2	123A
M-1002-17 NC	123A
M1025(IC)	840
M1102	333
M1301	177
M1391P	815
M1400-1	107
M1713DP	5527
M1713MP	5529
M1713NP	5531
M2002	724
M2003	912
M2009	772A
M2016	912
M2032	916
M2032-330	916
M2032-330-BA	916
M2033	829
M2077	1115A
M2102A	2102
M2102AK	2102
M2102AM	2102
M2207	5071A
M2497	116
M2511	5700
M2511F	5700
M2512	5700
M2512F	5700
M2513DP	5545
M2513MP	5547
M2513NP	5548
M2521	5701
M2521F	5701
M2522	5701
M2522F	5701
M2531	5702
M2532	5702
M2541	5703
M2542	5703
M2551	5705
M2552	5705
M2716	2716
M2716F1	2716
M3013DP	5545
M3013MP	5547
M3013NP	5548
M3016	116
M3081-9	8103
M3519	123A
M3567-2	184
M3764-15RS	2164
M3764-20RS	2164
M4001B	4001B
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M4027-4	2104
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M4066B	4066B
M4066BP	4066B
M4068B	4068B
M4068BP	4068B
M4069P	4069
M4069UB	4069
M4069UBP	4069
M4069UBRV	4069
M4071B	4071B
M4071BP	4071B
M4072B	4072B
M4072BP	4072B
M4073B	4073B
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M4075B	4075B
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M4093BP	4093B
M4094B	4094B
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M4099B	4099B
M4099BP	4099B
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M4246	121
M4313	102A
M4315	102A
M4327	102
M4331	121
M4363	126A
M4363BLU	126A
M4363GRN	126A
M4363ORN	126A
M4363WHT	126A
M4364	126A
M4365	126A
M4366	126A
M4367	126A
M4368	126A
M4388	126A
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M4398	102A
M4439	160
M4442	159
M4450	158
M4454	126A
M4456	126A
M4457	126A
M4459	127
M4462	102A
M4463	104
M4464	123A
M4465	123A
M4466	102A
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M4468	102A
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M4469	102A
M4469RED	158
M4470	102A
M4470ORN	158
M4471	102A
M4471YEL	158
M4472	102A
M4472GRN	158
M4473	158
M4474	102A
M4474YEL	158
M4475	102A
M4475GRN	158
M4476	102A
M4476BLU	158
M4477	102A
M4477PUR	158
M4478	129
M4482	102
M4483	102
M4484	160
M4485	160
M4486	160
M4501	126A
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M4504	160
M4506	160
M4507	160
M4508B	4508B
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M4509	126A
M4510	158
M4510B	4510B
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M4515BP	4515B
M4516B	4516B
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M4518B	4518B
M4518BP	4518B
M4520B	4520B
M4520BP	4520B
M4521B	4521B
M4521BP	4521B
M4524	160
M4525	159
M4526	160
M4528B	4528B
M4528BP	4528B
M4539B	4539B
M4539BP	4539B
M4545	126A
M4545BLU	126A
M4545WHT	126A
M4552	144A
M4553	102A
M4553BLU	102A
M4553BRN	102A
M4553GRN	102A
M4553ORN	102A
M4553PUR	105
M4553RED	102A
M4553YEL	102A
M4555B	4555B
M4555BP	4555B
M4556B	4556B
M4556BP	4556B
M4562	158
M4563	102A
M4564	102A
M4565	102A
M4567	102
M4570	104
M4573	102A
M4573(Blu)	102A
M4582	121
M4582BRN	121
M4583	121
M4583RED	121
M4584	121
M4584GRN	121
M4586	126A
M4589	126A
M4590	159
M4594	123A
M4595	102A
M4596	102
M4597	102
M4597GRN	102
M4597RED	102
M4603	126A
M4604	126A
M4605	126A
M4605RED	126A
M4606	121
M4607	102
M4608	121
M4619	104
M4619RED	121
M4620	104
M4620GRN	121
M4621	126A
M4622	105
M4623	127
M4624	123A
M4627	102
M4630	123A
M4632	126A
M4640	179
M4640P	179
M4648	154
M4649	104
M4652	127
M4653	139A
M4659	144A
M4661	121
M4663	147A
M4689	128
M4697	160
M4699	150A
M4700	101
M4701	179
M4702	179
M4704	150A
M4705	123A
M4709	108
M4714	123A
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M4722	121
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M4722GRN	121
M4722ORN	5483
M4722PUR	121
M4722RED	121
M4722YEL	121
M4727	104
M4728	151A
M4730	121
M4732	123A
M4733	108
M4734	123A
M4737	123A
M4739	123A
M4745	159
M4756	161
M4757	107
M4765	123A
M4766	121
M4767	121
M4768	123A
M4789	107
M4815	159
M4815D	159
M4819	154
M4820	108
M4821	123A
M4825	107
M4826	108
M4834	123A
M4837	108
M4838	154
M4839	154
M4840	123A
M4840A	107
M4841	123A
M4842	123A
M4842A	123A
M4842C	123A
M4843	154
M4844	123A
M4845	108
M4850	141A
M4851	141A
M4852	123A
M4853	154
M4854	123A
M4855	108
M4857	108
M4858	147A
M4860	160
M4872	124
M4882	130
M4885	124
M4888	121
M4888A	121
M4888B	121
M4898	123A
M4900	162
M4901	163A
M4904	107
M4906	123A
M4926	123A
M4927	154
M4933	123A
M4935	123A
M4937	123A
M4937(3rd IF)	233
M4943	159
M4974	104
M4974/P1R	104
M4989	159
M4995	163A
M4998	157
M5101	1095
M5101P	1095
M5106	1097
M5106P	1097
M5108	1099
M5108-9170	1099
M5108P	1099
M5109P	917
M5112	1098
M5112Y	1098
M5113	704
M5113T	704
M5115	1110§
M5115P	1110§
M5115P-9085	1110§
M5115PA	1110§
M5115PR	1156
M5115PRA	1156
M5115RP	1156
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M5133P	913§
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M5134-8266	1096
M5134P	1096
M5135P	1004
M5141T	941
M5143	712
M5143P	712
M5144BP	712
M5144P	712
M5146P	1308
M5152L	1170
M5153	801
M5153P	801
M5155P	1126
M5169	747
M5169P	747
M5171	346
M5176P	747
M5183	749
M5183-8098	749
M5183P	749
M5185	1411
M5185AL	1411
M5185AP	1411
M5186	1430
M5186AP	1430
M5186BP	1430
M5186P	1430
M5190	738
M5190P	738
M5191P	1050
M5192P	1183
M5193P	1297
M5193PR	1297
M5195	1298
M5195P	1298
M5195PR	1298
M5218P	778A
M5285	102A
M5304	7460
M5304P	7460
M5310	7430
M5310P	7430
M5327P	7473
M5352	7450
M5352P	7450
M5362	7442
M5362P	7442
M5372	7472
M5372P	7472
M5374	7474
M5374P	7474
M5375	7470
M5375P	7470
M5395	7495
M5395P	7495
M5825P	2128
M5930	9930
M5930P	9930
M5932	9932
M5932P	9932
M5933	9933
M5933P	9933
M5935	9935
M5935P	9935
M5936	9936
M5936P	9936
M5937	9937
M5937P	9937
M5944	9944
M5944P	9944
M5945	9945
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M5946	9946
M5946P	9946
M5948	9948
M5948P	9948
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M5949P	9949
M5952	9099
M5952P	9099
M5953	9093
M5953P	9093
M5955P	9097
M5956	9094
M5956P	9094
M5961	9961
M5961P	9961
M5962	9962
M5962P	9962
M5963	9963
M5963P	9963
M7002	154
M7003	123A
M7014	123
M7015	123A
M7031	121
M7033	123A
M7108	123A
M7108/A5N	123A
M7109	123A
M7109/A5P	123A
M7127	159
M7127/P2S	159
M7171	123A
M7310	197
M7342	127
M7342/P4F	127
M7476	191
M7511	163A
M7543-1	130
M7611AP	1413
M7641	7473
M7644BP	1547
M8014(Transistor)	100
M8062A	102A
M8062B	102A
M8062C	102A
M8105	123A
M8116	126A
M8120	101
M8124	160
M8221	123A
M8222	116
M8399	116
M8482	112
M8482C	112
M8485	109
M8489	519
M8489-A	109
M8489A	519
M8513	600
M8513(Lafayette)	600
M8513-0	601
M8513A	601
M8513A0	600
M8513A-0	601
M-8513-A-01	600
M8513AO	600
M8513A-R	600
M8513-O	519
M8513R	600
M8513-R	601
M8515	139A
M8555	519
M8569	178MP
M8604	102A
M8604A	102A
M8640	158
M8640A	158
M8640E(Transistor)	158
M8640E(C-M)	177
M-8641	123A
M-8641A	158
M9002	158
M9002(Red)	123A
M9003	160
M9003(Brn)	160
M9003(Org)	160
M9003(Grn)	160
M9003(Wht)	160
M9009	160
M9010	108
M9019	121
M9032	107
M9038	160
M9050	129
M9051	487
M9052	487
M9058	160
M9059	123A
M9070	123A
M9075	103A
M9080	160
M9080AC	8080A◆
M9081	160
M9083	121
M9090	127
M9091	121
M9092	103
M9093	103
M9095	123A
M9096	123A
M9098	160
M9104	121
M9105	102A
M9105(Blu)	102A
M9108	160
M9110	123A
M9118	104
M9125	195A
M9126	158
M9135	179
M9136	123A
M9138	128
M9141	121
M9142	121
M9144	123A
M9145	129
M9147	195A
M9148	102
M9159	123A
M9160	158
M9168	126A
M-9169	126A
M9169	160
M9170	123
M9174	195A
M9177	176
M9181	179
M9184	128
M9186	195A
M9187	195A
M9190	160
M9197	199
M9198	102A
M9199	123A
M9202	121
M9206	116
M9209	128
M9221	128
M9225	175
M9226	123A
M9228	128
M9235	116(4)
M9237	121
M9241	121
M9244	130
M9245	123A
M9247	475
M9251	105
M9252	108
M9255	121
M9256	6401
M9257	129
M9258	160
M9259	130
M9260	195A
M9263	121
M9264	6400B
M9265	198
M9266	161
M9269	199
M9271	195A
M9274	175
M9278	130
M9282	123
M9285	195A
M9286	198
M9287	124
M9293	199
M9294	121
M9299	123A
M9301	175
M9302	130
M9306	314
M9308	129
M9309	175
M9312	116
M9314	116
M9316	175
M9317	116
M9319	116
M9320	198
M9321	130
M9323	123A
M9325	123A
M9328	159
M9329	199
M9334	159
M9338	199
M9342	121
M9344	180
M9347	179
M9348	153
M9355	195A
M9357	123A
M9359	180
M9366	123A
M9377	123A
M9378	123A
M9380	128
M9384	199
M9385	6409
M9389	289A
M9390	123A
M9393	175
M9398	129
M9400	129
M9408	162
M9409	199
M9412	234
M9416	199
M9418	123A
M9420	121
M9426	129
M9430	195A
M9431	195A
M9432	129
M9435	129
M9436	121
M9447	199
M9450	161
M9453	123A
M9458	121
M9465	198
M9467	234
M9474	199
M9475	123
M9480	181
M9481	161
M9482	108
M9483	107
M9486	199
M9491	123
M9514	159
M9515	130
M9517	121
M9519	128
M9520	129
M9521	192
M9525	123A
M9526	159
M9527	159
M9528	123AP
M9531	159
M9532	123A
M9536	225
M9547	199
M9550	121
M9556	184
M9561	401/128
M9562	128
M9563	123A
M9565	312
M9568	123A
M9570	123A
M9571	159
M9572	123AP
M9575	108
M9576	152
M9580	350
M9582	185
M9583	351
M9586	359
M9587	350
M9588	347
M9590	6409
M9591	346
M9594	199
M9599	311
M9610	476
M9616	476
M9617	359
M9618	184
M9622	353
M9623	354
M9624	355
M9625	356
M9627	158
M9628	181
M9629	181
M9631	346
M9639	181
M9640	188
M9641	189
M9642	123AP
M9643	159
M9649	159
M9653	451
M9657	346
M9659	476
M9661	152
M9665	320
M9666	390
M9671	281
M9675	123A

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
M9676	196
M9676/NPN	196
M9677	197
M9677/PNP	197
M9701	197
M9703	346
M9711	320
M9715	181
M9740	366
M9741	366
M9755	367
M9765	350
M9773	316
M9775	351
M9781	356
M9810	121
M9814	105
M9859	341
M9876	483
M9877	484
M9959	481
M9981	126A
M31001	123A
M33611	5011A
M40160B	40160B
M40160BP	40160B
M40161B	40161B
M40161BP	40161B
M40162B	40162B
M40162BP	40162B
M40163B	40163B
M40163BP	40163B
M40174B	40174B
M40174BP	40174B
M40175B	40175B
M40175BP	40175B
M40273C	2104
M40273CD	2104
M40273CP	2104
M40274C	2104
M40274CD	2104
M40274CP	2104
M40275C	2104
M40275CD	2104
M40275CP	2104
M41223-2	116
M51011	1432
M51011AT	1432
M51011BT	1432
M51011P	1432
M51103L	1362
M51124	1098
M51144	1438
M51144BP	1438
M51144L	1438
M51171L	1301
M51172	1436
M51172BL	1436
M51172P	1436
M51173P	1488
M51182	1467
M51182BP	1467
M51182L	1467
M51204	1434
M51204L	1434
M51204LA	1434
M51247	1173
M51247P	1173
M51354	1656◆
M51354AP	1656◆
M51354P	1656◆
M51355	1653
M51355BP	1653
M51355P	1653
M51356	1656
M51356BP	1656
M51356P	1656
M51358P	1545
M51368P	1413
M51375	1418
M51375AP	1418
M51375P	1418
M51389P	1437
M51513L	1256
M51514	1366
M51514AL	1366
M51514AT	1366
M51515	1291
M51515BL	1291
M51515L	1291
M51516	1361
M51516AP	1361
M51516L	1361
M51517	1364
M51517L	1364
M51517LA	1364
M51518	1362
M51518L	1362
M51518LA	1362
M51521	1659
M51521BL	1659
M51521L	1659
M51544	1517
M51544AP	1517
M51544L	1517
M51709T	909
M51725L	1300
M51802L*	941S
M51841P	955M
M51848AP	955M
M51848BL	955S
M51848L	955S
M51848P	955M
M51903	1510
M51903AP	1510
M51903L	1510
M53200	7400
M53200P	7400
M53201	7401
M53201P	7401
M53202	7402
M53202P	7402
M53203	7403
M53203P	7403
M53204	7404
M53204P	7404
M53205	7405
M53205P	7405
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M53210P	7410
M53213P	7413
M53214P	7414
M53216P	7416
M53217P	7417
M53220	7420
M53220P	7420
M53225P	7425
M53227P	7427
M53230	7430
M53230P	7430
M53237P	7437
M53238P	7438
M53240	7440
M53240P	7440
M53241	7441
M53241P	7441
M53242	7442
M53242P	7442
M53243	7443
M53243P	7443
M53244	7444
M53244P	7444
M53245P	7445
M53247	7447
M53247P	7447
M53248	7448
M53248A	7448
M53248P	7448
M53250	7450
M53250P	7450
M53253	7453
M53253P	7453
M53260	7460
M53260P	7460
M53270	7470
M53270P	7470
M53272	7472
M53272P	7472
M53273	7473
M53273P	7473
M53274	7474
M53274P	7474
M53275	7475
M53275P	7475
M53276	7476
M53276P	7476
M53280	7480
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M53283	7483
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M53286P	7486
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M53291P	7491
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M53292P	7492
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M53293P	7493A
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M53295P	7495
M53296	7496
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M53307	74107
M53307P	74107
M53321	74121
M53321P	74121
M53322P	74122
M53323P	74123
M53325P	74125
M53326P	74126
M53332P	74132
M53345P	74145
M53350P	74150
M53351	74151
M53351P	74151
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M53355P	74155
M53356P	74156
M53360P	74160
M53361P	74161
M53362P	74162
M53363P	74163
M53364P	74164
M53365P	74165
M53366P	74166
M53370P	74170
M53374P	74174
M53375P	74175
M53380	74180
M53380P	74180
M53381P	74181
M53382P	74182
M53390P	74190
M53391P	74191
M53392	74192
M53392P	74192
M53393	74193
M53393P	74193
M53398P	74198
M53399P	74199
M54459	1745
M54459BL	1745
M54459L	1745
M54516P	2084
M54517P	2079
M54519CPN	2079
M54519P	2079
M54521CPN	2078
M54521P	2078
M54522P	2019
M54523P	2013
M54524P	2011
M54525P	2012
M54526P	2014
M54527CPN	2077
M54527P	2077
M54528CPN	2076
M54528P	2076
M54529CPN	2075
M54529P	2075
M54530P	2074
M54531CPN	2074
M54531P	2074
M54533CPN	2073
M54533P	2073
M54534CPN	2072
M54534P	2072
M54535CPN	2071
M54535P	2071
M54536CPN	2070
M54536P	2070
M54543L	1628
M58478	1581
M58478P	1581
M58478PR	1581
M58485	1738
M58485BP	1738
M58485P	1738
M58725	2128
M58725P	2128
M58732S	2708
M58732S-1	2708
M75205-1	5870
M75205-2	5871
M75516-2	160
M75516-2P	160
M75516-2R	160
M75517-1	102A
M75517-2	102A
M-75536-1	128
M-75536-2	128
M75537-2	176
M75543-1	152
M75545-1	161
M75547-1	108
M75547-2	108
M75549-2	130
M-75557-1	123A
M-75557-2	123A
M-75557-3	123A
M-75557-4	123A
M-75557-5	123A
M-75557-6	123A
M75561-7	102A
M75561-8	129
M75561-10RK	220
M75561-17	129
M75561-23	221
M75561-23RN	221
M75565-1	123
M100449	358
M105064	120
M105330	358
M109474	113A
M755162-P	160
M755162-R	160
M8534992	113A
M73260900	960
M73260901	966
M74260912	7407
M74260913	74LS27
M74260914	74LS125A
M74260941	74LS00
M74260979	74LS86
M80260957	5111A
M96260960	159
M96260961	123AP
MA0401	129
MA0402	129
MA1	160
MA2	116
MA3	109
MA8	109
MA10	172A
MA12/16	502
MA23	OBS-NLA
MA23 (TRAN)	102A
MA23A	OBS-NLA
MA23B	OBS-NLA
MA-23B	OBS-NLA
MA25	OBS-NLA
MA25(TRAN)	102A
MA-25A	OBS-NLA
MA25A	OBS-NLA
MA25SR	102A
MA26	601
MA-26	601
MA-26-1	601
M26A	601
M26G	601
MA26T	601
MA26T0A	605A
MA26T0B	605A
MA26TA	605A
MA26TO-A	605A
MA26TO/A	605A
MA26TO-B	605A
MA26W	605A
MA26W0	605A
MA26W0B	605A
MA26WA	601
MA26WB	605A
MA26WD	605A
MA26WO	605A
MA26WO-B	605A
MA27A	605A
MA27B	605A
MA27T-A	605A
MA27TB	605A
MA27W	605A
MA27WA	605A
MA51A	109
MA55	109
MA56	519
MA57	594
MA61	6408
MA62	6408
MA90	109
MA101	116
MA102	116
MA105	519
MA110	116
MA112	102
MA113	102
MA114	102
MA115	102
MA116	102
MA117	102
MA140	177
MA150	519
MA-150	519
MA150DD	519
MA150FV	519
MA150LF	519
MA150TA	519
MA150TA5	519
MA150TP	519
MA151A	519
MA151K	593
MA151K-TW	519
MA151WA	596
MA151WK	595
MA152K	593
MA152WA	596
MA152WK	595
MA-153	177
MA154WA	591
MA154WK	590
MA155WA	591
MA155WK	590
MA158	592
MA159	519
MA-161	177
MA161	519
MA161C	519
MA161TA	519
MA161TA5	519
MA162	519
MA162A	519
MA162LF	519
MA162TA5	519
MA162TP	519
MA165	519
MA165TA	519
MA166	519
MA167	519
MA170	519
MA171	519
MA171TA5	519
MA175WA	591
MA175WK	590
MA176WA	591
MA176WK	590
MA182	177
MA211	116
MA215	116
MA240	102A
MA242	116
MA242RC	156
MA286	100
MA287	100
MA288	100
MA301	612
MA302	613
MA303	614
MA320	612
MA320G1NR	612
MA324	616
MA330	611
MA332	613
MA340	610
MA350	116
MA351	116
MA393	102A
MA393A	102A
MA393B	102A
MA393C	102A
MA393E	102A
MA393G	102A
MA393R	102A
MA649	6240#
MA650	6240#
MA651	6246#
MA661	6246#
MA669	6240#
MA670	6240#
MA671	6246#
MA729	720
MA732	718
MA737	705A
MA741HC	941
MA746	790
MA749	6085#
MA749A	6087#
MA750	6085#
MA750A	6087#
MA751	6090#
MA751A	6090#
MA758	743
MA767	722
MA767PC	722
MA780	714
MA781	715
MA815	102A
MA856	519◆
MA894	102
MA895	102
MA896	102
MA897	102
MA898	102
MA899	102
MA900	102
MA901	100
MA902	102A
MA903	102A
MA904	102A
MA1030	5004A
MA1033	5005A
MA1036	5006A
MA1047	5009A
MA1047A	5009A
MA1051	5010A
MA1051TP	5010A
MA1056	5011A
MA1056M	136A
MA1062	5013A
MA1062H	5013A
MA1062LF	5013A
MA1062LM	5013A
MA1062M	5013A
MA1064A	5014A
MA1068	5014A
MA1068T	5014A
MA1075	5015A
MA1075TA	5015A
MA1082	5016A
MA-1091	139A
MA1091	5018A
MA1100	5019A
MA1110	5020A
MA1110TA	5020A
MA1120	5021A
MA1120A	5021A
MA1120L	5021A
MA1125	712
MA1128	712
MA1130	5022A
MA1130LF	5022A
MA1150	5024A
MA1150A	5024A
MA1180	5027A
MA1200	5029A
MA1220	5030A
MA1240	5031A
MA1318	102A
MA1700	102
MA1703	102
MA1704	102
MA1705	102
MA1706	102
MA1707	102
MA1708	102
MA2100	140A
MA2100B	140A
MA2650-A	601
MA3065	712
MA3065PC	712
MA4047M	5009A◆
MA4047M-Y	5009A◆
MA4051M	5010T1
MA4062M	5013T1◆
MA4068M	5014A
MA4100H	5019T1
MA4101	123A
MA4102	123A
MA4103	123A
MA4104	123A
MA4120H	5021T1
MA4120M	5021T1◆
MA4120M-Y	5021T1◆
MA4270(Red)	5083A
MA4270(Blue)	146A
MA4270H	5083A
MA4270M	146A
MA4270M-Y	146A
MA4388	612
MA4404	102
MA4404A	102
MA4670	121
MA6001	123A
MA6002	123A
MA6003	123A
MA6101	128
MA6102	123A
MA6301	1120
MA6301T	1120
MA6875	288
MA7300	2002
MA7300PC	2002
MA7805	960
MA7812UC	966
MA7815UC	968
MA7912UC	967
MA8001	128
MA8003	128
MA9001	311
MA9003	311
MA9426	123A
MA45071	612
MA45111	610
MA45112	611
MA45114	613
MA45115	614
MA45131	610
MA45132	611
MA45134	613
MA45151	612
MA45158	610
MA45160	611
MA45161	612
MA45168	610
MA45171	612
MA451670	611
MAA504	909D
MAC2-1	5667A
MAC2-2	5667A
MAC2-3	5667A
MAC2-4	5667A
MAC2-5	5667A
MAC2-6	5667A
MAC2-7	5667A
MAC2-8	5667A
MAC5-1	5667A
MAC5-2	5667A
MAC5-3	5667A
MAC5-4	5667A
MAC5-5	5667A
MAC5-6	5667A
MAC5-7	5667A
MAC5-8	5667A
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MAC10-2	5612
MAC10-3	5613
MAC10-4	5614
MAC10-5	5616
MAC10-6	5616
MAC10-7	5618
MAC10-8	5618
MAC11-1	5622
MAC11-2	5622
MAC11-3	5623
MAC11-4	5624
MAC11-5	5626
MAC11-6	5626
MAC11-7	5628
MAC11-8	5628
MAC15-4	56004
MAC15-5	56006
MAC15-6	56006
MAC15-7	56008
MAC15-8	56008
MAC15-9	56010
MAC15-10	56010
MAC15A-4	56004
MAC15A-5	56006
MAC15A-6	56006
MAC15A-7	56008
MAC15A-8	56008
MAC15A-9	56010
MAC15A-10	56010
MAC20-4	5679
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MAC20A4	5679
MAC20A5	5679
MAC20A6	5679
MAC20A7	5679
MAC20A8	5679
MAC25-4	5679
MAC25-5	5679
MAC25-6	5679
MAC25-7	5679
MAC25-8	5679
MAC25A4	5679
MAC25A5	5679
MAC25A6	5679
MAC25A7	5679
MAC25A8	5679
MAC35-1	5688
MAC35-2	5688
MAC35-3	5688
MAC35-4	5688
MAC35-5	5689
MAC35-6	5689
MAC35-7	5690
MAC35-8	5690
MAC36-1	5681
MAC36-2	5681
MAC36-3	5682
MAC36-4	5683
MAC36-5	5685
MAC36-6	5685
MAC36-7	5687
MAC37-1	5688
MAC37-2	5688
MAC37-3	5688
MAC37-4	5688
MAC37-5	5689
MAC37-6	5689
MAC37-7	5690
MAC50-4	5679
MAC50-5	5679
MAC50-6	5679
MAC50-7	5679
MAC50-8	5679
MAC50A4	5679
MAC50A5	5679
MAC50A6	5679
MAC50A7	5679
MAC50A8	5679
MAC77-1	5601
MAC77-2	5601
MAC77-3	5602
MAC77-4	5603
MAC77-5	5605
MAC77-6	5605
MAC77-7	5607
MAC77-8	5607
MAC92-1	5655
MAC92-2	5655
MAC92-3	5655
MAC92-4	5655
MAC92-5	5656
MAC92-6	5656
MAC92-7	5657
MAC92-8	5657
MAC92A-1	5655
MAC92A-2	5655
MAC92A-3	5655
MAC92A-4	5655
MAC92A-5	5656
MAC92A-6	5656
MAC92A-7	5657
MAC92A-8	5657
MAC94-1	5655
MAC94-2	5655
MAC94-3	5655
MAC94-4	5655
MAC94-5	5656
MAC94-6	5656
MAC94-7	5657
MAC94-8	5657
MAC94A-1	5655
MAC94A-2	5655
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MAC94A-6	5656
MAC94A-7	5657
MAC94A-8	5657
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MAC95-2	5655
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MAC95-4	5655
MAC95-5	5656
MAC95-6	5656
MAC95-7	5657
MAC95-8	5657
MAC95A-1	5655
MAC95A-2	5655
MAC95A-3	5655
MAC95A-4	5655
MAC95A-5	5656
MAC95A-6	5656
MAC95A-7	5657
MAC95A-8	5657
MAC97-1	5655
MAC97-2	5655
MAC97-3	5655
MAC97-4	5655
MAC97-5	5656
MAC97-6	5656
MAC97-7	5657
MAC97-8	5657
MAC97A1	5655
MAC97A2	5655
MAC97A3	5655
MAC97A4	5655
MAC97A5	5656
MAC97A6	5656
MAC223-3	56015
MAC223-4	56015
MAC223-5	56016
MAC223-6	56016
MAC223-7	56017
MAC223-8	56017
MAC223-9	56018
MAC223-10	56018
MAC223A3	56015
MAC223A4	56015
MAC223A4-4	56015
MAC223A5	56016
MAC223A6	56016
MAC223A6-6	56016
MAC223A7	56017
MAC223A8	56017
MAC223A8-10	56017
MAC223A9	56018
MAC223A10	56018
MAC223A10-10	56018
MAC228-6	5608
MAC228-8	5609
MAC228-10	5610
MAC228A-6	5608
MAC228A-8	5609
MAC228A-10	5610
MAC4688	56022
MAC4689	56024
MAC4690	56026
MAC5569	5673
MAC5570	5675
MAC5573	5673
MAC5574	5675

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
MAC40688	56022
MAC40689	56024
MAC40690	56026
MAC40798	5677
MA-ID	506
MAN1	3050
MAN1A	3050
MAN10A	3050
MAN51A	3054
MAN52A	3063
MAN54A	3059
MAN71A	3052
MAN72A	3061
MAN73A	3065
MAN74A	3056
MAN81A	3055
MAN82A	3064
MAN84A	3060
MAN101	3051
MAN101A	3051
MAN1001	3051
MAN1001A	3051
MAN3610A	3053
MAN3620A	3062
MAN3640A	3058
MAN3720	3061
MAN4610A	3070
MAN4640A	3071
MAN4710A	3068
MAN4740A	3069
MAN6710	3074
MAN6730	3076
MAN6740	3075
MAN6750	3077
MAN6760	3078
MAN6780	3079
MAN8610	3080
MAQ7786	123A
MAS20	126A
MAS21	126A
MAS22	126A
MAS23	126A
MB01	116
MB-1B	125
MB-1D	558
MB1F	525
MB-1F	558
MB-10	506
MB11A01V05	5304
MB11A01V10	5304
MB11A01V20	5304
MB11A01V40	5304
MB11A01V60	5305
MB11A01V80	5306
MB11A02V05	5312
MB11A02V10	5312
MB11A02V20	5313
MB11A02V30	5314
MB11A02V40	5314
MB11A02V60	5315
MB11A02V80	5316
MB11A02W10	5317
MB11A06V05	5312
MB11A06V10	5312
MB11A06V20	5313
MB11A06V30	5314
MB11A06V40	5314
MB11A06V60	5315
MB11A06V80	5316
MB11A06W10	5317
MB12A10V05	5340
MB12A10V10	5340
MB12A10V20	5340
MB12A10V30	5342
MB12A10V40	5342
MB12A10V60	5342
MB12A25A60	5326
MB12A25V05	5322
MB12A25V10	5322
MB12A25V20	5322
MB12A25V30	5324
MB12A25V40	5324
MB12A25V60	5326
MB12A35V05	5340
MB12A35V10	5340
MB12A35V20	5340
MB12A35V30	5342
MB12A35V40	5342
MB12A35V60	5342
MB12A35V80	5344
MB74LS00	74LS00
MB74LS00M	74LS00
MB74LS02	74LS02
MB74LS02M	74LS02
MB74LS03	74LS03
MB74LS04	74LS04
MB74LS04M	74LS04
MB74LS05	74LS05
MB74LS05M	74LS05
MB74LS08	74LS08
MB74LS09	74LS09
MB74LS09M	74LS09
MB74LS10	74LS10
MB74LS10M	74LS10
MB74LS11	74LS11
MB74LS14	74LS14
MB74LS20	74LS20
MB74LS27	74LS27
MB74LS28	74LS28
MB74LS28C	74LS28
MB74LS28M	74LS28
MB74LS30	74LS30
MB74LS32	74LS32
MB74LS32M	74LS32
MB74LS33	74LS33
MB74LS33C	74LS33
MB74LS33M	74LS33
MB74LS38	74LS38
MB74LS42	74LS42
MB74LS47	74LS47
MB74LS48	74LS48
MB74LS49	74LS49
MB74LS51	74LS51
MB74LS74A	74LS74A
MB74LS75	74LS75
MB74LS77	74LS77
MB74LS77C	74LS77
MB74LS77M	74LS77
MB74LS78A	74LS78
MB74LS78AM	74LS78
MB74LS83A	74LS83A
MB74LS85	74LS85
MB74LS86	74LS86
MB74LS91	74LS91
MB74LS91C	74LS91
MB74LS91M	74LS91
MB74LS92	74LS92
MB74LS92M	74LS92
MB74LS93	74LS93
MB74LS95B	74LS95B
MB74LS95BC	74LS95B
MB74LS95BM	74LS95B
MB74LS107	74LS107
MB74LS109A	74LS109A
MB74LS113	74LS113
MB74LS113M	74LS113
MB74LS114	74LS114
MB74LS114M	74LS114
MB74LS122	74LS122
MB74LS122C	74LS122
MB74LS122M	74LS122
MB74LS123	74LS123
MB74LS126A	74LS126
MB74LS126AM	74LS126
MB74LS136	74LS136
MB74LS138	74LS138
MB74LS145	74LS145
MB74LS145C	74LS145
MB74LS145M	74LS145
MB74LS148	74LS148
MB74LS148C	74LS148
MB74LS148M	74LS148
MB74LS151	74LS151
MB74LS153	74LS153
MB74LS156	74LS156
MB74LS156M	74LS156
MB74LS157	74LS157
MB74LS158	74LS158
MB74LS158M	74LS158
MB74LS161A	74LS161A
MB74LS163A	74LS163A
MB74LS164	74LS164
MB74LS165	74LS165
MB74LS165C	74LS165
MB74LS165M	74LS165
MB74LS166	74LS166
MB74LS166C	74LS166
MB74LS166M	74LS166
MB74LS174	74LS174
MB74LS175	74LS175
MB74LS181	74LS181
MB74LS181C	74LS181
MB74LS181M	74LS181
MB74LS191	74LS191
MB74LS193	74LS193
MB74LS194A	74LS194A
MB74LS194AC	74LS194A
MB74LS194AM	74LS194A
MB74LS195A	74LS195A
MB74LS221	74LS221
MB74LS240	74LS240
MB74LS241	74LS241
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MB74LS253	74LS253
MB74LS257	74LS257
MB74LS266	74LS266
MB74LS280	74LS280
MB74LS283	74LS283
MB74LS283M	74LS283
MB74LS290	74LS290
MB74LS290M	74LS290
MB74LS293	74LS293
MB74LS293M	74LS293
MB74LS298	74LS298
MB74LS365	74LS365A
MB74LS365M	74LS365A
MB74LS367	74LS367
MB74LS367A	74LS367
MB74LS373	74LS373
MB74LS373P	74LS373
MB74LS374A	74LS374
MB74LS374AM	74LS374
MB74LS386	74LS386
MB74LS386C	74LS386
MB74LS386M	74LS386
MB74S00	74S00
MB74S03	74S03
MB74S04	74S04
MB74S08	74S08
MB74S09	74S09
MB74S10	74S10
MB74S11	74S11
MB74S20	74S20
MB74S40	74S40
MB74S51	74S51
MB74S151	74S151
MB74S174	74S174
MB74S175	74S175
MB202	177
MB244	116
MB257	116
MB258	116
MB269	116
MB270	116
MB315	202
MB316	204
MB317	205
MB349	204
MB400	7400
MB401	7410
MB402	7420
MB403	7430
MB404	7440
MB405	7450
MB406	7460
MB407	7472
MB408	7480
MB410	74107
MB411	7453
MB416	7401
MB417	7402
MB418	7404
MB420	7474
MB424	6880
MB424C	6880
MB424D	6880
MB425	8216
MB425M	8216
MB433	7438
MB434	7438
MB435	7437
MB440	74123
MB442	7442
MB443	74145
MB445	74151
MB447	74180
MB448	7485
MB449	7486
MB450	74161
MB451	74160
MB452	7496
MB453	7495
MB454	7491
MB455	74198
MB456	74191
MB457	74190
MB458	74181
MB459	74182
MB460	74170
MB461	7489
MB513A-R	177
MB513AR	177
MB601	7400
MB602	7410
MB603	7420
MB604	7430
MB605	7440
MB606	7450
MB607	7460
MB609	7472
MB613	74H53
MB614	74H21
MB618	74H78
MB2114	2114
MB2114N	2114
MB3104	1195
MB3105	1170
MB3106	1659
MB3202	1082
MB3602	909D
MB3603	941D
MB3607	778A
MB3608	947D
MB3609	941M
MB3614	987
MB3705	1407
MB3705NA	1407
MB3710	1194
MB3712	1423
MB3712EA	1423
MB3712HM	1423
MB3713	1424
MB3713FA	1424
MB3722	1368
MB3722FA	1368
MB3752	923D
MB3756	1271
MB3759	1729
MB4011	4011B
MB4027	4027B
MB4102	801
MB4103	743
MB4204	834
MB4204M	834
MB4520	4520B
MB4522	4522B
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MBM8128-15M	2128
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MBM8264-20M	2164
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MBM8265-15M	6664
MBM8265-20	6664
MBM8265-20C	6664
MBM8265-20M	6664
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MC22	613
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MC78L05C	977
MC78L05CP	977
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MC78L08	981
MC78L08ACP	981
MC78L08CP	981
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MC78L12ACG	950
MC78L12ACP	950
MC78L12AGP	950
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MC78L15CG	951
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MC78M06CT	962
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MC78M08CT	964
MC78M12CP	966
MC78M12CT	966
MC78M15CP	968
MC78M15CT	968
MC78M18CT	958
MC78M24CP	972
MC78M24CT	972
MC78T05CK	931
MC78T05K	931
MC78T12CK	1912
MC78T12CZK	1912
MC78T12K	933
MC78T15CK	1918
MC78T15CZ	1918
MC79L05	1917
MC79L05A	1917
MC79L05AC	1917
MC79L05ACLP	1917
MC79L05ACP	1917
MC79L05C	1917
MC79L05CP	961
MC79L05ZCL	1917
MC79L12ACLP	1903
MC79L12ACP	1903
MC79L12CP	1903
MC79L15ACLP	1905
MC79L15ACP	1905
MC79L15BCP	1905
MC79L15CP	1905
MC79L18ACP	1907
MC79L18CP	1907
MC79L24ACP	1909
MC79L24BCP	1909
MC79L24CP	1909
MC79M05CT	961
MC79M12CT	967
MC79M15CT	969
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MC101	160
MC103	160
MC106	610
MC106A	610
MC112	610
MC112A	610
MC115	613
MC115A	613
MC116	614
MC116A	614
MC170	116
MC178AP	159
MC201	612
MC201(VARICAP)	610
MC301	553
MC302	553
MC308	109
MC407	610
MC410	611
MC456	116
MC607	610
MC610	611
MC660P	9660
MC661P	9661
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MC664P	9664
MC665P	9665
MC666P	9666
MC667P	9667
MC668P	9668
MC669P	9669
MC670P	9670
MC671P	9671
MC672P	9672
MC673P	9673
MC674P	9674
MC675P	9675
MC676P	9676§

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
MC677P	9677
MC678P	9678
MC679P	9679
MC680P	9680
MC681P	9681
MC682P	9682
MC683P	9683
MC684P	9684
MC685P	9685
MC686P	9686
MC688P	9688
MC689P	9689
MC690P	9690
MC691P	9691
MC696P	9696
MC700G	9900
MC703G	9903
MC704G	9904
MC705G	9905
MC706G	9906
MC707G	9907
MC708G	9908
MC709G	9909
MC710G	9910
MC711G	9911
MC712G	9912
MC713G	9913
MC714G	9914
MC715G	9915
MC715P	9915
MC717P	OBS-NLA
MC721G	9921
MC723G	OBS-NLA
MC723P	OBS-NLA
MC724P	9924§
MC726G	9926
MC727G	9927
MC774G	9974§
MC776P	9976
MC789	9989
MC789G	9989
Mc789P	9989
MC789P	9989
MC800G	9900
MC803G	9903
MC804G	9904
MC805G	9905
MC806G	9906
MC807G	9907
MC808G	9908
MC809G	9909
MC810G	9910
MC811G	9911
MC812G	9912
MC813G	9913
MC814G	9914
MC815G	9915
MC816G	OBS-NLA
MC817P	OBS-NLA
MC821G	9921
MC823G	OBS-NLA
MC824P	9924§
Mc824P	9924§
MC826G	9926
MC827G	9927
MC830L	9930
MC830P	9930
MC831L	9931
MC831P	9931
MC832L	9932
MC832P	9932
MC833L	9933
MC833P	9933
MC835L	9935
MC835P	9935
MC836L	9936
MC836P	9936
MC837L	9937
MC837P	9937
MC840L	9935
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MC846L	9946
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MC856L	9094
MC856P	9094
MC857L	9157
MC857P	9157
MC858	9158
MC858L	9158
MC858P	9158
MC861L	9961
MC861P	9961
MC862L	9962
MC862P	9962
MC863L	9963
MC863P	9963
MC874G	9974§

To Be Replaced	ECG Replacement
Mc876P	9976
MC876P	9976
MC889G	9989
MC889P	9989
MC911	591
MC916G	OBS-NLA
MC921	590
MC944	9944
MC944L	9944
MC1202P	2040
MC1303	725
MC1303L	725
MC1303P	725
MC1304P	718
MC1304PQ	718
MC1305P	720
MC1305P-C	720
MC1305PQ	720
MC1306P	745
MC1307	722
MC1307P	722
MC1307PQ	722
MC1309/C	1226
MC1309C	1226
MC1309P	1226
MC1310	801
MC1310A	801
MC-1310P	801
MC1310P	801
MC1311P	743
MC1312P	799
MC-1312P	799
MC1314G	704
MC1314P	802
MC1315P	803
MC1316	814A§
MC1316GP	814A§
MC1316P	814A§
MC1316PC	814A§
MC1324P	739
MC1324PQ	739
MC1326P	739
MC1326PQ	739
MC1328G	707
MC1328P	790
MC1328PQ	790
MC1329P	713
MC1329PQ	713
MC1330A	747
MC1330A1P	747
MC1330P	747
MC1339P	721
MC1339PQ	721
MC1344	779A
MC1344P	779A
MC1345P	779A
MC1345PQ	779A
MC1349P	795
MC1350	746
MC1350P	746
MC1350PQ	746
MC1351P	748A
MC1351PQ	748A
MC1352	749
MC1352P	749
MC-1352P	749
MC1352PQ	749
MC1353P	1080
MC1353PQ	1080
MC1355P	750
MC1355PQ	750
MC1356P	737§
MC1357	708
MC1357P	708
MC1357PQ	708
MC1358	712
MC1358C	712
MC1358P	712
MC1358PQ	712
MC1364	783
MC1364G	780
MC1364P	783
MC1364PQ	783
MC1370	714
MC1370P	714
MC1370PQ	714
MC1371	715
MC1371P	715
MC1371PQ	715
MC1372	855
MC1372ML	855
MC1372P	855
MC1373	856
MC1373ML	856
MC1373P	856
MC1375P	723
MC1375PQ	723
MC1389P	788
MC1391P	815
MC1393	794
MC1393AP	794
MC1393P	794
MC1394P	836
MC1398	738
MC1398P	738
MC-1398P	738
MC1398PQ	738
MC1399	835§
MC1399P	835§
MC1408-7N	2056
MC1408P-6	2056
MC1408P-7	2056
MC1411P	2011
MC1412P	2012
MC1413P	2013

To Be Replaced	ECG Replacement
MC1416P	2014
MC1422P1	833
MC1455D	955SM
MC1455P1	955M
MC1458	778A
MC1458C	778A
MC1458CP	778A
MC1458CP1	778A
MC1458G	778A
MC1458P	778A
MC1458P1	778A
MC1458V	778A
MC1460	946§
MC1460R	946§
MC1461R	946§
MC1468L	921◆
MC1488	75188
MC1488CL	75188
MC1488CP	75188
MC1488F	75188
MC1488J	75188
MC1488L	75188
MC1488N	75188
MC1488P	75188
MC1489	75189
MC1489A	75189
MC1489AP	75189
MC1489CL	75189
MC1489CP	75189
MC1489F	75189
MC1489J	75189
MC1489L	75189
MC1489N	75189
MC1489P	75189
MC1496	973
MC1496A	973D
MC1496G	973
MC1496N	973D
MC1496P	973D
MC1520(Diode)	116
MC1521	116
MC1522(Diode)	116
MC1523(Diode)	116
MC1524(Diode)	116
MC1527(Diode)	125
MC1528(Diode)	125
MC1529(Diode)	125
MC1550G	816
MC1550P	817
MC1560	946§
MC1709CG	909
MC1709CP	909
MC1709CP1	909
MC1709CP2	909D
MC1709P2	909D
MC1710CG	910
MC1710CL	910D
MC1710CP2	910D
MC1710P2	910D
MC1711CG	911
MC1711CL	911D
MC1723CG	923
MC1723CL	923D
MC1723CP	923D
MC1723G	923
MC1733CG	927
MC1733CL	927D
MC1733CP	927D
MC1733D	927SM
MC1733DN1	927SM
MC1741CD	941SM
MC1741CG	941
MC1741CL	941D
MC1741CP	941M
MC1741CP1	941M
MC1741CP2	941D
MC1741P1	941M
MC1741SCG	918
MC1741SCP1	918M
MC1747CG	947
MC1747CL	947D
MC1747CP	947D
MC1747CP1	947D
MC1747CP2	947D
MC1747LCG	947
MC1747LCP2	947D
MC1748P1	975
MC1800P	9800
MC1801P	9801
MC1802P	9802
MC1803P	9803
MC1804P	9804
MC1805P	9805
MC1806P	9806
MC1807P	9807
MC1808P	9808
MC1809P	9809
MC1810P	9810
MC1811P	9811
MC1812P	9812
MC1813P	9813
MC1814P	9814
MC1816L	9111
MC1816P	9111
MC1938	738
MC2315-3	5482
MC2326	177
MC2526	109
MC3000L	74H00
MC3000P	74H00
MC3001	1192
MC3001(J.C.PENNY)	1192
MC3001AN	1192
MC3001AT	1192
MC3001L	74H08

To Be Replaced	ECG Replacement
MC3001P	74H08
MC3004L	74H01
MC3004P	74H01
MC3005L	74H10
MC3005P	74H10
MC3006L	74H11
MC3006P	74H11
MC3008L	74H04
MC3008P	74H04
MC3009L	74H05
MC3009P	74H05
MC3010L	74H20
MC3010P	74H20
MC3011L	74H21
MC3011P	74H21
MC3012L	74H22
MC3012P	74H22
MC3016L	74H30
MC3016P	74H30
MC3018L	74H62
MC3018P	74H62
MC3019L	74H61
MC3019P	74H61
MC3020L	74H50
MC3020P	74H50
MC3021L	74H86
MC3021P	74H86
MC3023L	74H51
MC3023P	74H51
MC3024L	74H40
MC3024P	74H40
MC3030L	74H60
MC3030P	74H60
MC3031L	74H52
MC3031P	74H52
MC3032L	74H53
MC3032P	74H53
MC3033L	74H54
MC3033P	74H54
MC3034L	74H55
MC3034P	74H55
MC3054L	74H71
MC3054P	74H71
MC3055L	74H72
MC3055P	74H72
MC3061P	74S114
MC3062P	74S113
MC3063L	74H73
MC3063P	74H73
MC3301L	992
MC3301P	992
MC3302	834
MC3302P	834
MC3303J	987◆
MC3303L	987◆
MC3303N	987◆
MC3303P	987◆
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MC3310P	838
MC3320P	839
MC3340	829
MC-3340P	829
MC3340P	829
MC3340PA	829
MC3346P	912
MC3357	853
MC3357P	853
MC3359GP	860
MC3359P	860
MC3373	1714M
MC3386P	912
MC3403J	987◆
MC3403L	987◆
MC3403N	987◆
MC3403P	987◆
MC3456P	978
MC3458G	877
MC3470	3470
MC3470A	3470
MC3470AP	3470
MC3470P	3470
MC3470PC-1	3470
MC3476G	944◆
MC3476P1	944M◆
MC3490	2029
MC3490BL	2029
MC3490P	2029
MC3491	2030
MC3491P	2030
MC3492	2030
MC3492BL	2030
MC3492P	2030
MC3494	2031
MC3494BL	2031
MC3494P	2031
MC3524A	1720
MC4004	7481
MC4040P	974
MC-4044	974
MC4044	974
MC4044CP	974
MC4044P	974
MC4080	1083
MC4080-1	1083
MC4080-2	1083
MC4080-3	1083
MC4558	778A
MC4558ACPI	778A
MC4558CD	778SM
MC4558CDN1	778SM
MC4558CPI	778A
MC4558CU	778A
MC4558D	778SM
MC4741CL	948
MC4741CP	948

To Be Replaced	ECG Replacement
MC5321	177
MC6007	136A
MC6007A	136A
MC6008	137A
MC6008A	137A
MC6010A	5071A
MC6011A	138A
MC6012A	5072A
MC6013A	139A
MC6014	140A
MC6014A	140A
MC6015A	5074A
MC6016	142A
MC6016A	142A
MC6017A	143A
MC6018	145A
MC6018A	145A
MC6019A	5075A
MC6020A	5077A
MC6021A	5079A
MC6022A	5080A
MC6023A	5081A
MC6024	146A
MC6024A	146A
MC6025A	5084A
MC6026	147A
MC6026A	147A
MC6027A	5085A
MC6028A	5086A
MC6029A	5087A
MC6030A	5088A
MC6107	136A
MC6107A	136A
MC6108	137A
MC6108A	137A
MC6110A	5071A
MC6111A	138A
MC6112A	5072A
MC6113A	139A
MC6114A	140A
MC6115A	5074A
MC6116	142A
MC6116A	142A
MC6118	145A
MC6118A	145A
MC6119A	5075A
MC6120A	5077A
MC6121A	5079A
MC6122A	5080A
MC6123A	5081A
MC6124	146A
MC6124A	146A
MC6126	147A
MC6126A	147A
MC6127A	5085A
MC6128A	5086A
MC6129A	5087A
MC6130A	5088A
MC6308A	5119A
MC6310	5120A
MC6311	5121A
MC6314A	5125A
MC6315A	5126A
MC6316A	5127A
MC6317A	5128A
MC6318A	5130A
MC6319A	5131A
MC6320A	5133A
MC6321A	5135A
MC6322A	5136A
MC6323A	5137A
MC6324A	5139A
MC6325A	5141A
MC6326A	5142A
MC6327A	5143A
MC6328A	5144A
MC6329A	5145A
MC6330A	5146A
MC6800	6800
MC6800CP	6800
MC6800N	6800
MC6800P	6800
MC6802	6802
MC6802P	6802
MC6809	6809
MC6809E	6809E
MC6809EJA	6809E
MC6809EL	6809E
MC6809EP	6809E
MC6809ES	6809E
MC6809JA	6809
MC6809L	6809
MC6809S	6809
MC6810	6810
MC6810P	6810
MC6820	6821
MC6820L	6821
MC6820LC	6821
MC6820P	6821
MC6820PC	6821
MC6821	6821
MC6821CP	6821
MC6821P	6821
MC6850	6850
MC6850CP	6850
MC6850P	6850
MC6860	6860
MC6860JA	6860
MC6860L	6860
MC6860P	6860
MC6875	6875
MC6875CP	6875
MC6875L	6875
MC6875P	6875
MC6880	6880

To Be Replaced	ECG Replacement
MC6880L	6880
MC6880P	6880
MC6885	6885
MC6885L	6885
MC6885P	6885
MC6886	6886
MC6886L	6886
MC6886P	6886
MC6887	6887
MC6887L	6887
MC6887P	6887
MC6888	6888
MC6888L	6888
MC6888P	6888
MC6889L	6889
MC6889P	6889
MC7400C	7400
MC7400L	7400
MC7400P	7400
MC7401L	7401
MC7401P	7401
MC7402L	7402
MC7402P	7402
MC7403L	7403
MC7403P	7403
MC7404L	7404
MC7404P	7404
MC7405L	7405
MC7405P	7405
MC7406L	7406
MC7406P	7406
MC7407L	7407
MC7407P	7407
MC7408L	7408
MC7408P	7408
MC7409L	7409
MC7409P	7409
MC7410L	7410
MC7410P	7410
MC7416L	7416
MC7416P	7416
MC7417L	7417
MC7417P	7417
MC7420L	7420
MC7420P	7420
MC7426L	7426
MC7426P	7426
MC7430L	7430
MC7430P	7430
MC7437L	7437
MC7437P	7437
MC7438L	7438
MC7438P	7438
MC7440L	7440
MC7440P	7440
MC7441AL	7441
MC7441AP	7441
MC7442L	7442
MC7442P	7442
MC7443L	7443
MC7443P	7443
MC7444L	7444
MC7444P	7444
MC7445L	7445
MC7445P	7445
MC7446L	7446
MC7446P	7446
MC7447L	7447
MC7447P	7447
MC7448L	7448
MC7448P	7448
MC7450L	7450
MC7450P	7450
MC7451L	7451
MC7451P	7451
MC7453L	7453
MC7453P	7453
MC7454L	7454
MC7454P	7454
MC7460L	7460
MC7460P	7460
MC7470L	7470
MC7470P	7470
MC7472L	7472
MC7472P	7472
MC7473L	7473
MC7473P	7473
MC7475L	7475
MC7475P	7475
MC7476L	7476
MC7476P	7476
MC7480L	7480
MC7480P	7480
MC7483L	7483
MC7483P	7483
MC7486L	7486
MC7486P	7486
MC7490L	7490
MC7490P	7490
MC7491AL	7491
MC7491AP	7491
MC7492L	7492
MC7492P	7492
MC7493L	7493A
MC7493P	7493A
MC7494L	7494
MC7494P	7494
MC7495L	7495
MC7495P	7495
MC7496L	7496
MC7496P	7496
MC7705CP	960
MC7706CP	962
MC7712CP	966
MC7715CP	968

To Be Replaced	ECG Replacement
MC7724CP	972
MC7805	960
MC7805CK	931
MC7805CP	960
MC7805CT	960
MC7805P	960
MC7806CP	962
MC7806CT	962
MC7808CP	964
MC7808CT	964
MC7812CK	1914
MC7812CP	966
MC7812CT	966
MC7815	968
MC7815CK	1916
MC7815CP	968
MC7815CT	968
MC7818BK-Z	1920
MC7818CK	1920
MC7818CT	958
MC7818GT	958
MC7824CK	1924
MC7824CP	972
MC7824CT	972
MC7905CK	1913
MC7905CP	961
MC7905CT	961
MC7906CP	963
MC7906CT	963
MC7908CT	965
MC7908GT	965
MC7912CK	1915
MC7912CP	967
MC7912CT	967
MC7915CK	1919
MC7915CP	969
MC7915CT	969
MC7918CK	1923
MC7918CT	959
MC7918GT	959
MC7924CK	1925
MC7924CP	971
MC7924CT	971
MC7924KB-Z	1925
MC8301	8301
MC8301CPM	8301
MC8301L	8301
MC8301P	8301
MC8308L	8308
MC8308P	8308
MC8309	8309
MC8309CPM	8309
MC8309L	8309
MC8309P	8309
MC8314L	8314
MC8314P	8314
MC8316L	8316
MC8316P	8316
MC8318L	8318
MC8318P	8318
MC8328	8328
MC8328CPM	8328
MC8328L	8328
MC8328P	8328
MC8370CPM	8370
MC8601L	9601
MC8601P	9601
MC8602L	9602
MC8602P	9602
MC9301	8301
MC9301L	8301
MC9301P	8301
MC9308L	8308◆
MC9308P	8308◆
MC9309	8309
MC9309L	8309
MC9309P	8309
MC9314L	8314◆
MC9314P	8314◆
MC9316L	8316◆
MC9316P	8316◆
MC9318L	8318◆
MC9318P	8318◆
MC9328	8328
MC9328L	8328
MC9328P	8328
MC9427	123A
MC9448	9944
MC9600	614
MC9601L	9601◆
MC9601P	9601◆
MC9602L	9602◆
MC9602P	9602◆
MC10482BCL	4082B
MC14000UB	4000
MC14000UBCL	4000
MC14000UBCP	4000
MC14001B	4001B
MC14001BCL	4001B
MC14001BCP	4001B
MC14001BP	4001B
MC14001CP	4001B
MC14002B	4002B
MC14002BCL	4002B
MC14002BCP	4002B
MC14002CP	4002B
MC14006	4006B
MC14006B	4006B
MC14006BCL	4006B
MC14006BCP	4006B
MC14006L	4006B
MC14007	4007
MC14007B	4007
MC14007BCL	4007
MC14007BPC	4007

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
MC14008	4008B
MC14008B	4008B
MC14008BCL	4008B
MC14008BCP	4008B
MC14008L	4008B
MC14009CP	4049
MC14010CP	4050B
MC14011B	4011B
MC14011BCL	4011B
MC14011BCP	4011B
MC14011CD	4011B
MC14011CP	4011B
MC14012B	4012B
MC14012BCP	4012B
MC14012BL	4012B
MC14012CP	4012B
MC14013B	4013B
MC14013BPC	4013B
MC14013BPL	4013B
MC14013CP	4013B
MC14014B	4014B
MC14014BCL	4014B
MC14014BCP	4014B
MC14014CP	4014B
MC14015B	4015B
MC14015BCL	4015B
MC14015BCP	4015B
MC14015CP	4015B
MC14016B	4016B
MC14016BCL	4016B
MC14016BCP	4016B
MC14016CP	4016B
MC14017B	4017B
MC14017BCL	4017B
MC14017BCP	4017B
MC14017CP	4017B
MC14018	4018B
MC14018B	4018B
MC14018BCL	4018B
MC14018BCP	4018B
MC14018BL	4018B
MC14020B	4020B
MC14020BCL	4020B
MC14020BCP	4020B
MC14020CP	4020B
MC14021B	4021B
MC14021BCL	4021B
MC14021BCP	4021B
MC14021CP	4021B
MC14022	4022B
MC14022B	4022B
MC14022L	4022B
MC14023B	4023B
MC14023BCL	4023B
MC14023BCP	4023B
MC14023CP	4023B
MC14024B	4024B
MC14024BCL	4024B
MC14024BCP	4024B
MC14024CP	4024B
MC14025B	4025B
MC14025BCL	4025B
MC14025BCP	4025B
MC14025CP	4025B
MC14026BCE	4026B
MC14027B	4027B
MC14027BCL	4027B
MC14027BCP	4027B
MC14027CP	4027B
MC14028B	4028B
MC14028BCL	4028B
MC14028BCP	4028B
MC14028CP	4028B
MC14029B	4029B
MC14029BCL	4029B
MC14029BCP	4029B
MC14029CP	4029B
MC14031BCE	4031B
MC14032BCP	4032B
MC14032BL	4032B
MC14034	4034B
MC14034B	4034B
MC14034BCL	4034B
MC14034BCP	4034B
MC14034L	4034B
MC14035	4035B
MC14035B	4035B
MC14035BCL	4035B
MC14035BCP	4035B
MC14035L	4035B
MC14038BCP	4038B
MC14038BL	4038B
MC14040B	4040B
MC14040BCL	4040B
MC14040BCP	4040B
MC14040CP	4040B
MC14042B	4042B
MC14042BCL	4042B
MC14042BCP	4042B
MC14042CP	4042B
MC14043	4043B
MC14043B	4043B
MC14043BCL	4043B
MC14043BCP	4043B
MC14043L	4043B
MC14044	4044B
MC14044B	4044B
MC14044BCL	4044B
MC14044BCP	4044B
MC14044L	4044B
MC14045BCE	4045B
MC14046	4046B
MC14046B	4046B
MC14046BCL	4046B
MC14046BCN	4046B
MC14046BCP	4046B
MC14047BCP	4047B
MC14048BCP	4048B
MC14049	4049
MC14049CP	4049
MC14049UB	4049
MC14049UBCL	4049
MC14049UBCP	4049
MC14050B	4050B
MC14050BCL	4050B
MC14050BCP	4050B
MC14050CP	4050B
MC14051	4051B
MC14051B	4051B
MC14051BCL	4051B
MC14051BCP	4051B
MC14051CP	4051B
MC14052B	4052B
MC14052BCL	4052B
MC14052BCP	4052B
MC14053	4053B
MC14053B	4053B
MC14053BCL	4053B
MC14053BCP	4053B
MC14053L	4053B
MC14056BCE	4056B
MC14060B	4060B
MC14060BCP	4060B
MC14063B	4063B
MC14063BC	4063B
MC14063BCL	4063B
MC14066	4066B
MC14066AB	4066B
MC14066B	4066B
MC14066BCL	4066B
MC14066BCP	4066B
MC14066L	4066B
MC14067BCE	4067B
MC14068B	4068B
MC14068BCL	4068B
MC14068BCP	4068B
MC14069	4069
MC14069B	4069
MC14069CP	4069
MC14069UB	4069
MC14069UBCL	4069
MC14069UBCP	4069
MC14070B	4070B
MC14070BCP	4070B
MC14070BL	4070B
MC14071B	4071B
MC14071BCL	4071B
MC14071BCP	4071B
MC14071CP	4071B
MC14072	4072B
MC14072B	4072B
MC14072BCL	4072B
MC14072BCP	4072B
MC14072L	4072B
MC14073	4073B
MC14073B	4073B
MC14073BCL	4073B
MC14073BCP	4073B
MC14073L	4073B
MC14075	4075B
MC14075B	4075B
MC14075BCL	4075B
MC14075BCP	4075B
MC14076B	4076B
MC14076BCL	4076B
MC14076BCP	4076B
MC14076L	4076B
MC14077B	4077B
MC14077BCL	4077B
MC14077BCP	4077B
MC14078B	4078B
MC14078BCL	4078B
MC14078BCP	4078B
MC14081B	4081B
MC14081BCL	4081B
MC14081BCP	4081B
MC14081CP	4081B
MC14082B	4082B
MC14082BCP	4082B
MC14093B	4093B
MC14093BCL	4093B
MC14093BCP	4093B
MC14094B	4094B
MC14094BCE	4094B
MC14094BCL	4094B
MC14094BCP	4094B
MC14095BCE	4095B
MC14096BCE	4096B
MC14097BCE	4097B
MC14099B	4099B
MC14099BCP	4099B
MC14160B	40160B
MC14160BCL	40160B
MC14160BCP	40160B
MC14161BCL	40161B
MC14161BCP	40161B
MC14162B	40162B
MC14162BCL	40162B
MC14162BCP	40162B
MC14163B	40163B
MC14163BCL	40163B
MC14163BCP	40163B
MC14174B	40174B
MC14174BCL	40174B
MC14174BCP	40174B
MC14175B	40175B
MC14175BCL	40175B
MC14175BCP	40175B
MC14194B	40194B
MC14194BCL	40194B
MC14194BCP	40194B
MC14412	2047
MC14412FL	2047
MC14412FP	2047
MC14412L	2047
MC14412P	2047
MC14412PFP	2047
MC14412VL	2047
MC14412VP	2047
MC14433	2055
MC14433BPC	2055
MC14433L	2055
MC14433P	2055
MC14501BCE	4501
MC14501UB	4501
MC14501UBCL	4501
MC14501UBCP	4501
MC14502BCP	4502B
MC14502BL	4502B
MC14503B	40097B
MC14503BCL	80C97
MC14503BCP	80C97
MC14506B	4506B
MC14506BCE	4506B
MC14506BCL	4506B
MC14506BCP	4506B
MC14507CB	4030B
MC14508BCP	4508B
MC14508BL	4508B
MC14510	4510B
MC14510B	4510B
MC14510BCL	4510B
MC14510BCP	4510B
MC14510L	4510B
MC14511	4511B
MC14511B	4511B
MC14511BCL	4511B
MC14511BCP	4511B
MC14511BL	4511B
MC14511BP	4511B
MC14511L	4511B
MC14512B	4512B
MC14512BCL	4512B
MC14512BCP	4512B
MC14512CP	4512B
MC14513B	4513B
MC14513BCE	4513B
MC14513BCL	4513B
MC14513BCP	4513B
MC14514	4514B
MC14514B	4514B
MC14514BCL	4514B
MC14514BCP	4514B
MC14514L	4514B
MC14515	4515B
MC14515B	4515B
MC14515BCL	4515B
MC14515BCP	4515B
MC14515L	4515B
MC14516	4516B
MC14516B	4516B
MC14516BCL	4516B
MC14516BCP	4516B
MC14516L	4516B
MC14517B	4517B
MC14517BCE	4517B
MC14517BCL	4517B
MC14517BCP	4517B
MC14518B	4518B
MC14518BCL	4518B
MC14518BCP	4518B
MC14518CP	4518B
MC14520B	4520B
MC14520BCL	4520B
MC14520BCP	4520B
MC14520CP	4520B
MC14521B	4521B
MC14521BCE	4521B
MC14521BCL	4521B
MC14521BCP	4521B
MC14522B	4522B
MC14522BCL	4522B
MC14522BCP	4522B
MC14526B	4526B
MC14526BCE	4526B
MC14526BCL	4526B
MC14526BCP	4526B
MC14527B	4527B
MC14527BCL	4527B
MC14527BCP	4527B
MC14527CP	4527B
MC14528B	4098B
MC14528BCL	4098B
MC14528BCP	4528B
MC14529B	4529B
MC14529BCE	4529B
MC14529BCL	4529B
MC14529BCP	4529B
MC14531B	4531B
MC14531BCP	4531B
MC14532B	4532B
MC14532BCE	4532B
MC14532BCL	4532B
MC14532BCP	4532B
MC14536B	4536B
MC14536BCP	4536B
MC14539B	4539B
MC14539BCL	4539B
MC14539BCP	4539B
MC14539CP	4539B
MC14541B	4541B
MC14541BCE	4541B
MC14541BCL	4541B
MC14541BCP	4541B
MC14543B	4543B
MC14543BCP	4543B
MC14547B	4547B
MC14547BCL	4547B
MC14547BCP	4547B
MC14551B	4551B
MC14551BCE	4551B
MC14551BCL	4551B
MC14551BCP	4551B
MC14553B	4553B
MC14553BCE	4553B
MC14553BCL	4553B
MC14553BCP	4553B
MC14555B	4555B
MC14555BCL	4555B
MC14555BCP	4555B
MC14555CP	4555B
MC14556B	4556B
MC14556BCL	4556B
MC14556BCP	4556B
MC14556CP	4556B
MC14558B	4558B
MC14558BCE	4558B
MC14558BCL	4558B
MC14558BCP	4558B
MC14562B	4562B
MC14562BCE	4562B
MC14562BCL	4562B
MC14562BCP	4562B
MC14566B	4566B
MC14566BCL	4566B
MC14566BCP	4566B
MC14568B	4568B
MC14568BCE	4568B
MC14568BCL	4568B
MC14568BCP	4568B
MC14569B	4569B
MC14569BCE	4569B
MC14569BCL	4569B
MC14569BCP	4569B
MC14582BP	40182B
MC14583	4583B
MC14583B	4583B
MC14583BCL	4583B
MC14583BCP	4583B
MC14583BL	4583B
MC14583BP	4583B
MC14583CL	4583B
MC14583CP	4583B
MC14583L	4583B
MC14584	40106B
MC14584B	40106B
MC14584BCL	40106B
MC14584BCP	40106B
MC14584L	40106B
MC14585BCP	40085B
MC14597B	4597B
MC14597BCE	4597B
MC14597BCL	4597B
MC14597BCP	4597B
MC14598B	4598B
MC14598BCE	4598B
MC14598BCL	4598B
MC14598BCP	4598B
MC34001P	937M
MC34002P	858M
MC34004P	859
MC34060	1753
MC34060L	1753
MC34060P	1753
MC40803	1083
MC53200	7400
MC74107L	74107
MC74107P	74107
MC74121P	74121
MC74145P	74145
MC74150P	74150
MC74151P	74151
MC74152P	74152
MC74153P	74153
MC74155P	74155
MC74156P	74156
MC74164AP	74164
MC74165P	74165
MC74176P	74176
MC74177P	74177
MC74180P	74180
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MGLA62	137A
MGLA62A	137A
MGLA62B	137A
MGLA68B	5071A
MGLA82B	5072A
MGLA91	139A
MGLA91A	139A
MGLA91B	139A
MGLA100	140A
MGLA100A	140A
MGLA100B	140A
MH67	116
MH68	116
MH70	116
MH71	116
MH72	125
MH350L12K	543
MH353	536A
MH353A	536A
MH353A01	536A
MH353A02	536A
MH353B	536A
MH353B02	536A
MH353B03	536A
MH353C01A	536A
MH353C02A	536A
MH353C03A	536A
MH354	500A
MH383-B01	500A
MH401	525
MH500	116
MH670	116
MH680	116
MH700	116
MH710	116
MH720	125
MH730	125
MH909A01	563
MH913	522
MH913-5	522
MH913A01	522
MH914	500A
MH914A01	500A
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MH920A03	500A
MH920A04	500A
MH920A05	500A
MH920A06	500A
MH920A07	500A
MH920A08	500A
MH920A10	521
MH920B01	521
MH920B02	521
MH920B05	500A
MH920B08	521
MH920F01	500A
MH920H02	500A
MH920H04	500A
MH920H05	500A
MH920H06	500A
MH920J01	500A
MH920J02	500A
MH920L01	433/500A
MH920P01	500A
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MH931A01	522
MH931A02	522
MH931A04	522
MH931A05	522
MH931A06	522
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MH931D01	522
MH931D02	522
MH932	500A
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MH943C01	534
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MH946B01	550
MH946E01	550
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MH970A02	533
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MH970C05	533
MH970C06	537
MH970E01	537
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MH970G02	533
MH970L02	533
MH980A	532
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MH980A05	537
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MH987A02	500A
MH987A03	500A
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MH988A03	536A
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MH1001H02	538
MH1001H03	539
MH1001H04	539
MH1001H05	539
MH1001H06	539
MH1001H07	539
MH1002	522
MH1002A01	522
MH1004B01 *	539
MH1011B01 *	539
MH1011C01	538
MH1011C02	539
MH1011C03	539
MH1011C05	539
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MH1031C02	538
MH1201	529
MH1201A01	529
MH1201A02	529
MH1201A03	535
MH1201A05	529
MH1201A06	535
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MH1201A10	549
MH1201A11	549
MH1201A12	557
MH1201A13	557
MH1201B01	529
MH1201B02	529
MH1201B03	529
MH1201C01	529
MH1201E01	529
MH1201F02	554§
MH1201G01	556
MH1201H01	565
MH1201V01	565
MH1203	523/3306
MH1203A01	523/3306
MH1203A02	523
MH1203B01	523/3306
MH1203B02	523/3306
MH1203B03	523/3306
MH1203B04	523
MH1203B06	523
MH1203B07	523
MH1203B08	523
MH1203B09	526A
MH1203B10	523/3306
MH1203B11	526A
MH1203B12	523
MH1203B13	523/3306
MH1203B15	
MH1203C01	
MH1203C02	
MH1203E01	
MH1203F01	52
MH1203F02	523
MH1203G01	523
MH1204	523/3306
MH1204A01	523/3306
MH1204A02	523
MH1204C01	523
MH1204C02	523
MH1204D02	523/3306
MH1204D03	523/3306
MH1204E01	523
MH1204H01	523/3306
MH1204K02	564
MH1205	523/3306
MH1205A01	523/3306
MH1206	530
MH1206A01	530
MH1206A02	530
MH1207	530
MH1207A01	530
MH1209	530
MH1209B01	530
MH1209B02	530
MH1209D01	530
MH1209K01	530
MH1209L01	530
MH1220	530
MH1220A01	530
MH1221	523/3306
MH1221A01	523/3306
MH1221AO2	523/3306
MH1221E02	526A
MH1221E06	523
MH1221F01	523/3306
MH1221T03	564
MH1222	529
MH1222A01	529
MH1222A02	529
MH1222A03	535
MH1222A04	549
MH1222E04	549
MH1230Z02	559
MH1230Z03	560
MH1230Z04	561
MH1230Z05	562
MH1501	192
MH1502	193
MH9410A	128
MH9460A	129
MH9623	123A
MH9630	123A
MHE200E	184
MHM1001	108
MHM1101	108
MHT180	105
MHT181	105
MHT230	105
MHT1802	105
MHT1803	105
MHT1804	105
MHT1807	105
MHT1808	105
MHT1809	105
MHT1851	213
MHT2002	101
MHT2003	101
MHT2004	101
MHT2008	101
MHT2009	101
MHT2010	101
MHT2305	105
MHT2414	128
MHT2418	128
MHT4401	128
MHT4411	128
MHT4412	128
MHT4413	128
MHT4451	128
MHT4483	128
MHT4511	128
MHT4512	128
MHT4513	128
MHT5906	152
MHT7401	128
MHT7411	128
MHT7412	128
MHT7414	128
MHT7417	128
MHT7601	130
MHT7602	130
MHT7603	130
MHT7607	130
MHT7608	130
MHT7609	130
MHT9001	128
MHT9002	128
MHT9004	128
MHT9005	128
MHT18010	105
MI-15MR	116(2)
MI-15MS	116(2)
MI-15R	116(2)
MI15R	116(2)
MI15RC	116(2)
MI15S	116(2)
MI-15S	116(2)
MI15SC	116(2)
MI-151	125(2)
MI-151R	125(2)
MI-152	125(2)

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
...ement	
...A	125(2)
...2R	125(2)
...2RA	125(2)
...-152RA	125(2)
...-301	177
MI301	177
MI1546	108
MI9623	123A
MI9630	123A
MIC709-5(D.I.P.)	909D
MIC709-5(Metal Can)	909
MIC710-5(Metal Can)	910
MIC710-5(DIP)	910D
MIC710-5C	910
MIC711-5(D.I.P.)	911D
MIC711-5(Metal Can)	911
MIC723-5(Metal Can)	923
MIC723-5(DIP)	923D
MIC741-5(Metal Can)	941
MIC741-5(D.I.P.)	941D
MIC930-5D	9930
MIC930-5P	9930
MIC931-5D	9931
MIC931-5P	9931
MIC932-5D	9932
MIC932-5P	9932
MIC933-5D	9933
MIC933-5P	9933
MIC935-5D	9935
MIC935-5P	9935
MIC936-5D	9936
MIC936-5P	9936
MIC937-5D	9937
MIC937-5P	9937
MIC941-5D	9941
MIC941-5P	9941
MIC944-5D	9944
MIC944-5P	9944
MIC945-5D	9945
MIC945-5P	9945
MIC946-5D	9946
MIC946-5P	9946
MIC948-5D	9948
MIC948-5P	9948
MIC949-5D	9949
MIC949-5P	9949
MIC950-5D	9950
MIC950-5P	9950
MIC951-5D	9951
MIC951-5P	9951
MIC961-5D	9961
MIC961-5P	9961
MIC962-5D	9962
MIC962-5P	9962
MIC963-5D	9963
MIC963-5P	9963
MIC2114-35	2114
MIC2114-45	2114
MIC7400J	7400
MIC7400N	7400
MIC7401J	7401
MIC7401N	7401
MIC7402J	7402
MIC7402N	7402
MIC7403J	7403
MIC7403N	7403
MIC7404J	7404
MIC7404N	7404
MIC7405J	7405
MIC7405N	7405
MIC7406J	7406
MIC7406N	7406
MIC7407J	7407
MIC7407N	7407
MIC7408J	7408
MIC7408N	7408
MIC7409J	7409
MIC7409N	7409
MIC7410J	7410
MIC7410N	7410
MIC7411J	7411
MIC7411N	7411
MIC7412J	7412
MIC7412N	7412
MIC7413J	7413
MIC7413N	7413
MIC7416J	7416
MIC7416N	7416
MIC7417J	7417
MIC7417N	7417
MIC7420J	7420
MIC7420N	7420
MIC7421J	7421
MIC7421N	7421
MIC7425J	7425
MIC7425N	7425
MIC7426J	7426
MIC7426N	7426
MIC7428	7428
MIC7428J	7428
MIC7428N	7428
MIC7430J	7430
MIC7430N	7430
MIC7432J	7432
MIC7432N	7432
MIC7433A	7433
MIC7437J	7437
MIC7437N	7437
MIC7438J	7438
MIC7438N	7438
MIC7440J	7440
MIC7440N	7440
MIC7441AJ	7441
MIC7441AN	7441
MIC7442J	7442
MIC7442N	7442
MIC7443J	7443
MIC7443N	7443
MIC7444J	7444
MIC7444N	7444
MIC7445J	7445
MIC7445N	7445
MIC7446J	7446
MIC7446N	7446
MIC7447J	7447
MIC7447N	7447
MIC7448J	7448
MIC7450J	7450
MIC7450N	7450
MIC7451J	7451
MIC7451N	7451
MIC7453J	7453
MIC7453N	7453
MIC7454J	7454
MIC7454N	7454
MIC7460J	7460
MIC7460N	7460
MIC7470J	7470
MIC7470N	7470
MIC7472J	7472
MIC7472N	7472
MIC7473J	7473
MIC7473N	7473
MIC7474J	7474
MIC7474N	7474
MIC7475J	7475
MIC7475N	7475
MIC7476J	7476
MIC7476N	7476
MIC7480J	7480
MIC7480N	7480
MIC7481J	7481
MIC7481N	7481
MIC7482J	7482
MIC7482N	7482
MIC7483J	7483
MIC7483N	7483
MIC7486J	7486
MIC7486N	7486
MIC7490J	7490
MIC7490N	7490
MIC7491AJ	7491
MIC7491AN	7491
MIC7492J	7492
MIC7492N	7492
MIC7493J	7493A
MIC7493N	7493A
MIC7494J	7494
MIC7494N	7494
MIC7495J	7495
MIC7495N	7495
MIC7496J	7496
MIC9093-5D	9093
MIC9093-5P	9093
MIC9094-5D	9094
MIC9094-5P	9094
MIC9097-5D	9097
MIC9097-5P	9097
MIC9099-5D	9099
MIC9099-5P	9099
MIC74107J	74107
MIC74107N	74107
MIC74109	74109
MIC74109J	74109
MIC74109N	74109
MIC74121J	74121
MIC74121N	74121
MIC74122J	74122
MIC74122N	74122
MIC74123J	74123
MIC74123N	74123
MIC74141J	74141
MIC74141N	74141
MIC74145J	74145
MIC74145N	74145
MIC74150J	74150
MIC74150N	74150
MIC74151J	74151
MIC74151N	74151
MIC74153J	74153
MIC74153N	74153
MIC74154J	74154
MIC74154N	74154
MIC74155J	74155
MIC74155N	74155
MIC74156J	74156
MIC74156N	74156
MIC74160J	74160
MIC74160N	74160
MIC74161J	74161
MIC74161N	74161
MIC74162J	74162
MIC74162N	74162
MIC74163J	74163
MIC74163N	74163
MIC74164J	74164
MIC74164N	74164
MIC74165J	74165
MIC74165N	74165
MIC74180J	74180
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MIC74190J	74190
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MIC74191J	74191
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MIC74195J	74195
MIC74195N	74195
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MIL38	3007
MILB51	3020
MIS13674/47	234
MIS14150-18	101
MIS-14150-18A	101
MIS14150/37	154
MIS-18101-3	9930
MIS-18101-4	9932
MIS-18101-5	9945
MJ105	165
MJ400	124
MJ408	283
MJ410	94
MJ411	94
MJ413	385
MJ420	154
MJ421	396
MJ423	385
MJ424	283
MJ425	283
MJ430	53
MJ431	53
MJ450	180
MJ480	130
MJ481	130
MJ490	281
MJ491	281
MJ703N	703
MJ802	181
MJ900	244
MJ901	244
MJ1000	243
MJ1001	243
MJ1800	162
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MJ2250	384
MJ2251	124
MJ2252	124
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MJ2254	218
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MJ2268	285
MJ2500	246
MJ2501	246
MJ2801	130
MJ2802	130
MJ2840	284
MJ2841	284
MJ2901	219
MJ2955	219
MJ2955A	219
MJ3000	245
MJ3001	245
MJ3010	162
MJ3011	163A
MJ3026	162
MJ3027	162
MJ3028	94
MJ3029	283
MJ3030	52
MJ3040	98
MJ3041	98
MJ3042	98
MJ3101	384
MJ3201	124
MJ3202	124
MJ3260	283
MJ3430	385
MJ3480	165
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MJ3521	245
MJ3701	218
MJ3771(Audio)	181
MJ3772(Audio)	181
MJ3773	388◆
MJ4000	243
MJ4001	243
MJ4010	244
MJ4011	244
MJ4030	250
MJ4031	250
MJ4032	250
MJ4033	249
MJ4034	249
MJ4035	249
MJ4101	175
MJ4102	175
MJ4237	285
MJ4238	285
MJ4247	284
MJ4248	284
MJ4502	180
MJ4645	129
MJ5008	98
MJ5010	98
MJ5202	175
MJ5203	175
MJ5204	175
MJ5416	129
MJ5683	30
MJ5684	30
MJ5685	29
MJ5686	29
MJ6302	388◆
MJ6502	2319
MJ6503	2319
MJ8400	165
MJ9000	283
MJ10000	98
MJ10001	98
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MJ15003	60
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MJ15012	68
MJ15012G	88
MJ15015	388
MJ15016	68
MJ15022	388
MJ15023	68
MJ15024	388
MJ15025	68
MJ15531	68
MJ15532	68
MJ34000	243
MJE29	291◆
MJE34	153
MJE104	183
MJE105	183
MJE105K	242
MJE170	185
MJE171	185
MJE172	185◆
MJE180	184
MJE181	184
MJE182	184◆
MJE200E	186A
MJE204	182
MJE205	182
MJE205K	241
MJE240	184◆
MJE241	184◆
MJE242	184◆
MJE250	185◆
MJE251	185◆
MJE252	185◆
MJE340	157
MJE340K	157
MJE341	157
MJE344	157
MJE350	39
MJE370	185
MJE370K	242
MJE371	185
MJE371K	242
MJE423	162
MJE482	184
MJE483	184
MJE488	184
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MJE493	185
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MJE520K	241
MJE521	184
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MJE712	185
MJE722	184
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MJE1101	257
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MJE1103	257
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MJE2520	241
MJE2521	241
MJE2522	241
MJE2523	241
MJE2801	182
MJE2801T	331
MJE2901	183
MJE2901T	332
MJE2940	130
MJE2955	183
MJE2955K	332
MJE2955T	332
MJE3054	241
MJE3055	182
MJE3055K	331
MJE3055T	331
MJE3300	2345◆
MJE3301	2345◆
MJE3302	2345◆
MJE3310	2346◆
MJE3311	2346◆
MJE3312	2346◆
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MJE3520	249
MJE3740	242
MJE3741	242
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MJE6045	259
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MJE9411T	108
MJE9450	185
MJE9730	375
MJE9741	157
MJE9742	157
MJE12007	2303
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MJE13005	51
MJE13006	379
MJE13007	2312
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MJE13009	379
MJE15028	54
MJE15029	55
MJE15030	54
MJE15031	55
MJES191	241
MJF1033G	451
MJF2480	235
MJF10335	312
MJG5194	242
MJH12004	2301
MJH12005	2300
MJR1C	116
MJR3302	2345
MK1V-115	6418
MK1V-125	6419
MK-10	312
MK10	312
MK10-2	312
MK-10-E	312
MK279-14(Zenith)	5014A
MK1011C05	539
MK2147	2147
MK2147-55	2147
MK2147-90	2147
MK2147J-55	2147
MK2147J-70	2147
MK2147J-90	2147
MK2147N-55	2147
MK2147N-70	2147
MK2147N-90	2147
MK2708T	2708
MK2716T	2716
MK3800	1136
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MK3881J-4	3881
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MK3881P-4	3881
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MK3882J-4	3882
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MK3882N-4	3882
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MK4102J-1	2102
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MK4102P-1	2102
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MK4116J-3	2117
MK4116J-4	2117
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MK4116J-53GP	2117
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MK4116N-3GP	2117
MK4116N-4	2117
MK4116N-44GP	2117
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MK4564-15	2164
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MK4564-25	2164
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MK4564J-25	2164
MK4564N-15	2164
MK4564N-20	2164
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MK4564P-20	2164
MK4564P-25	2164
MK5089	1690
MK5089J	1690
MK5089N	1690
MK5089P	1690
MK5173	1731
MK5173N	1731
MK5485	312
MK30884(Zenith)	5021A
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MK50240G	2042§
MK50240N	2042§
MK50241	2042§
MK50241N	2042§
MK50241P	2042§
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MK50992N-5	1691
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MK50993N	1692
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MKL3881CP-4N	3881
MKL3882CP-4N	3882
ML78L05A	977
ML78M05	960
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ML201T	1171
ML301AS	975
ML301AT	1171
ML301T	1171
ML307S	976
ML709CM	909D
ML709CT	909
ML741CM	941D
ML741CS	941M
ML741CT	941
ML747CP	947D
ML747CT	947
ML748CS	975
ML924	1757
ML1310P	801
ML1458S	778A
ML2005P	960
ML2812	177
ML8204	1648
ML8205	1649
MLED71	3029A
MLED92	3029A
MLED650	3020
MLED655	3020
MLED930	3028
MLM201AG	1171
MLM224L	987
MLM224P	987
MLM239AL	834
MLM301AG	1171
MLM301AP1	975
MLM301AU	975
MLM307P1	976
MLM307U	976
MLM308AG	938
MLM308AU	938M
MLM308G	938
MLM308P1	938M
MLM308U	938M
MLM309K	309K
MLM310G	924
MLM310P1	924M
MLM311G	922
MLM311P1	922M
MLM324L	987
MLM324P	987
MLM324P1	987
MLM331G	922
MLM339AL	834
MLM339P	834
MLM358G	928
MLM358P1	928M
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MLM565GP	989
MLM2901P	834
MLM2902P	987
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MLNA339A	5067A
MLNA351A	5116A
MLNA356A	136A
MLNA362A	137A
MLNA368A	5071A
MLNA375A	138A
MLNA382A	5072A
MLNA391A	139A
MLNA3100A	140A
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MLV747A	134A
MLV748A	5067A
MLV749A	5068A
MLV751A	5116A
MLV752A	136A
MLV753A	137A
MLV754A	5071A
MLV755A	138A
MLV756A	5072A
MLV757A	139A
MLV758A	140A
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MLV4372A	5065A
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MM2	116
MM3	116
MM4	116
MM5	116
MM6	116
MM7	125
MM8	125
MM9	125
MM10	125
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MM74C00	74C00
MM74C00N	74C00
MM74C02	74C02
MM74C04	74C04
MM74C04N	74C04
MM74C08	74C08
MM74C10	74C10
MM74C14	74C14
MM74C20	74C20
MM74C30	74C30
MM74C30J	74C30
MM74C30N	74C30
MM74C30PN	74C30
MM74C32	74C32
MM74C32J	74C32
MM74C32N	74C32
MM74C32PN	74C32
MM74C42	74C42
MM74C42N	74C42
MM74C48	74C48
MM74C73	74C73
MM74C74	74C74
MM74C76	74C76
MM74C85	74C85
MM74C86	4070B
MM74C90	74C90
MM74C93	74C93
MM74C93N	74C93

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To Be Replaced	ECG Replacement
MM74C95	74C95
MM74C95J	74C95
MM74C95N	74C95
MM74C95PN	74C95
MM74C107	74C107
MM74C107J	74C107
MM74C107N	74C107
MM74C107PN	74C107
MM74C151	74C151
MM74C154	74C154
MM74C157	74C157
MM74C160	40160B
MM74C161	74C161
MM74C162	40162B
MM74C163	40163B
MM74C164	74C164
MM74C173	74C173
MM74C174	74C174
MM74C175	74C175
MM74C192	74C192
MM74C193	74C193
MM74C195	40195B
MM74C221	74C221
MM74C240	74C240
MM74C240J	74C240
MM74C240N	74C240
MM74C240PN	74C240
MM74C244	74C244
MM74C244J	74C244
MM74C244N	74C244
MM74C244PN	74C244
MM74C373	74C373
MM74C373J	74C373
MM74C373N	74C373
MM74C373PN	74C373
MM74C374	74C374
MM74C374J	74C374
MM74C374N	74C374
MM74C374PN	74C374
MM74C901	74C901
MM74C901J	74C901
MM74C901N	74C901
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MM74C902J	74C902
MM74C902N	74C902
MM74C902PN	74C902
MM74C903	74C903
MM74C903J	74C903
MM74C903N	74C903
MM74C903PN	74C903
MM74C904	74C904
MM74C904J	74C904
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MM74C904PN	74C904
MM74C922	74C922
MM74C922J	74C922
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MM74C922PN	74C922
MM74C923	74C923
MM74C923J	74C923
MM74C923N	74C923
MM74C923PN	74C923
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MM74C929J	6508
MM74C929J-3	6508
MM74C929N	6508
MM74C929N-3	6508
MM74C935-1	2052
MM74C935-1J	2052
MM74C935-1N	2052
MM80C95	80C95
MM80C95J	80C95
MM80C95N	80C95
MM80C95PN	80C95
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MM80C96J	80C96
MM80C96N	80C96
MM80C96PN	80C96
MM80C97	80C97
MM80C98	40098B
MM380	160
MM420	154
MM439	395
MM486	128
MM487	128
MM488	128
MM511	128
MM512	128
MM513	128
MM709	108
MM741(AppleIIE)	941M
MM999	159
MM1139	160
MM1151	102A
MM1152	102A
MM1153	102A
MM1154	102A
MM1199	160
MM1367/2SC684	108
MM1382	108
MM1387	108
MM1557	357
MM1558	359
MM1559	360
MM1601	347
MM1602	349
MM1603	351
MM1613	123A
MM1614	159
MM1618	337
MM1620	337
MM1622	339
MM1646	339
MM1666	351
MM1668	320
MM1680	348
MM1681	350
MM1711	123A
MM1742	102A
MM1755	123A
MM1756	123A
MM1757	123A
MM1758	123A
MM1803	311
MM1809	128
MM1809A	128
MM1810	195A
MM1810A	128
MM1941	311
MM1943	128
MM1945	108
MM2016	2128
MM2016J	2128
MM2016J-15	2128
MM2016N	2128
MM2016N-15	2128
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MM2102A	2102
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MM2103	464
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MM2114A	2114
MM2114A-3	2114
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MM2114AJ-3	2114
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MM2114AN-3	2114
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MM2114J-3	2114
MM2114N	2114
MM2114N-3	2114
MM2147	2147
MM2147-1	2147
MM2147-3	2147
MM2147J-1	2147
MM2147J-3	2147
MM2147N	2147
MM2147N-1	2147
MM2147N-3	2147
MM2266	128
MM2484	123A
MM2503	160
MM2532	2532
MM2532Q	2532
MM2550	160
MM2552	160
MM2554	160
MM2613	123A
MM2614	159
MM2708	2708
MM2708JQ	2708
MM2708Q	2708
MM2711	123A
MM2712	159
MM2716	2716
MM2716JQ	2716
MM2716Q	2716
MM2894	160
MM3000	154
MM3001	154
MM3002	154
MM3003	154
MM3005	282§
MM3006	282§
MM3007	282§
MM3009	154
MM3014	190
MM3100	154
MM3101	154
MM3903	123A
MM3904	123A
MM3905	159
MM3906	159
MM4000	397
MM4001	397
MM4002	397
MM4003	397
MM4005	129
MM4006	129
MM4008	129
MM4009	129
MM4020	353
MM4021	354
MM4022	355
MM4023	356
MM4048	159
MM4049	395
MM4257	395
MM4258	395
MM4511	4511B
MM5000	160
MM5001	160
MM5002	160
MM5005	323
MM5006	323
MM5007	323
MM5262	324
MM5280	2107
MM5280-5	2107
MM5280J	2107
MM5280J-5	2107
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MM5290-4	2117
MM5290J-3	2117
MM5290J-4	2117
MM5290N-3	2117
MM5290N-4	2117
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MM5316N	2061§
MM5316N-W	2061§
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MM5387	2060
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MM5601AN	4001B
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MM5607AJ	4007
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MM7088	154
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MM8003	76
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MM8006	316
MM8007	161
MM8012	76
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MM53113N	2061§
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MM55104N	1255§
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MMBTA14	2404
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MMBTA56	2411
MMBTA70	2407
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MMF5	461
MMZ12(06)	143A
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MN29PUR	121
MN29WHT	121
MN32	121
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MN46	121
MN48	121
MN49	121
MN51	109
MN52	102A
MN53	102A
MN53BLU	102A
MN53GRN	102A
MN53RED	102A
MN60	102A
MN60(diode)	109
MN61	127
MN63	127
MN64	127
MN73	121
MN73BLK	121
MN73WHT	121
MN76	104
MN194	121
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MN1206A	2207
MN1213	2203
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MN3101	1639
MN3101BA	1639
MN4001B	4001B
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MN4013B	4013B
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MN4066	4066B
MN4066B	4066B
MN4069UB	4069
MN4071B	4071B
MN4081	4081B
MN4081B	4081B
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MN4116P	2117
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MN6076BA	1414
MN6142	1534
MN6142BA	1534
MN8303	36
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MOC3023	3048◆
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MOC3032	3049◆
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MOC7823	3102
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MOC8112	3041
MOC8113	3041
MOS3635	221
MOS6502	6502
MOS8712	74LS08
MOS8713	74LS04
MOTMJE371	185
MOTMJE521	184
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MP548	5802
MP549	5802
MP550	6407
MP600	179
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MP602	179
MP603	179
MP651	116
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MP1003-2	116
MP1003-4	116
MP1014	121
MP1014-1	102A
MP1014-2	123A
MP1014-4	102A
MP1014-5	102A
MP1014-6	102A
MP1310P	108
MP1509-1	121
MP1509-2	121
MP1509-3	121
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MP1612B	127
MP1613	127
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MP2060-1	121
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MP2062	121
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MP-5115	116
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MP6508C	6508
MP6508D	6508
MP6508F	6508
MP8227NP	2104
MP9602	116
MP14020	5340
MP14060	5342
MP53201P	7401
MP140100	5344
MP4300158	519
MP4906063	128
MPA64H	1680
MPA79C	2090
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MPB123D	9661
MPB124D	9678
MPB125D	9662
MPC5MH	1058
MPC17C	1047
MPc17c	1047
MPC20C	1075A
MPc23c	1046
MPC23C	1046
MPc29c	1089*
MPC29C	1089*
MPC29C2	1089*
MPC30C	1049
MPC31C	1048
MPc31c	1048
MPC32C	1050
MPC41C	1093
MPC46C	1077
MPc46c	1077
MPc47c	1076
MPC47C	1076
MPC48C	1091*
MPC48C-1	1091*
MPC48C1	1091*
MPc48c1	1091*
MPC258C	778A
MPC554	1142
MPC554C	1142
MPC558	1051
MPC561	1079
MPC561C	1079
MPC562C	1050
MPC566H	1052
MPC566HB	1103
MPC566HC	1103
MPC566HD	1103
MPC570C	1086*
MPc570c	1086*
MPC571C	1078§
MPC571H	1638
MPC574J	615A
MPC-574J	615A
MPC575C	1141*
MPC575C2	1140*
MPC577H	1082
MPC595C	1186
MPC596C	1187
MPC596C2	1187
MPC596C2B	1187
MPC1001H2	1127
MPC1032H	1170
MPC1212C	1516
MPC1238	1378
MPC1352C	1416
MPC1355C	749
MPC1356C	1483
MPC1356C2	1483
MPC1363C	1409
MPC1372C	1416
MPC1377	1664
MPC1377C	1664
MPC1379	1661
MPC1379C	1661
MPC1382	1616
MPC1382C	1616
MPC1391H	1668
MPC1394C	1678
MPC1458C	778A
MPC3500	177
MPC4558C	778A
MPC6507	6507
MPC14305	960
MPD200	177
MPD201	177
MPD202	177
MPD203	177
MPD300	177
MPD301	177
MPD302	177
MPD400	177
MPD401	177
MPD402	177
MPD858	1198
MPD858C	1198
MPD861C	1254
MPD861C1	1254
MPD861CE	1254
MPD4001C	4001B
MPD4011C	4011B
MPF101	312
MPF-102	312
MPF102	451
MPF-102(DSG)	312
MPF103	312
MPF104	312
MPF105	312
MPF106	451
MPF107	312
MPF109	459
MPF111	457
MPF112	312
MPF-121	222
MPF121	222
MPF159	465
MPF160	464
MPF161	326
MPF820	451
MPI4005	5340
MPI4010	5340
MPI4020	5340
MPI4060	5342
MPI4080	5344
MPI40100	5344
MPN-3401	555
MPN3401	555
MPN3412	519
MPQ918	2321◆
MPQ1000	2321
MPQ2221	2321
MPQ2222	2321
MPQ2369	2321◆
MPQ2906	2322
MPQ2907	2322
MPQ3725	2321
MPQ3798	2322
MPQ3799	2322◆
MPQ3904	2321
MPQ3906	2322
MPQ6502	2320
MPQ7041	2323
MPQ7043	2323◆
MPR6502CR	6502
MPS25	121
MPS109	123A
MPS404	159
MPS404A	159
MPS667	229
MPS706	123AP
MPS706A	123AP
MPS708	123AP
MPS834	123AP
MPS835	123AP
MPS918	108
MPS929	159

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
MPS929A	159
MPS930	159
MPS930A	159
MPS943J	123A
MPS943K	123A
MPS962F	123AP
MPS1097	160
MPS1572	159
MPS2114	2114
MPS2114-30	2114
MPS2114-35	2114
MPS2114-45	2114
MPS2114P-30	2114
MPS2114P-35	2114
MPS2114P-45	2114
MPS2168	108
MPS2218	123AP
MPS2218A	123AP
MPS2219	123AP
MPS2219A	123AP
MPS2221	123AP
MPS2221A	123AP
MPS2222	123AP
MPS2222A	123AP
MPS2369	123AP
MPS2711	123AP
MPS2712	123AP
MPS2713	123AP
MPS2714	123AP
MPS2715	123AP
MPS2716	123AP
MPS2823	107
MPS2894	107
MPS2906	159
MPS2907	159
MPS2907A	159
MPS2923	123AP
MPS2924	123AP
MPS2925	123AP
MPS2926	123AP
MPS2926BRN	123A
MPS2926GRN	123A
MPS2926ORN	123A
MPS2926RED	123A
MPS2926YEL	123A
MPS3390	123AP
MPS3391	123AP
MPS3391A	123AP
MPS3392	123AP
MPS3393	123AP
MPS3394	123AP
MPS3395	123AP
MPS3396	123AP
MPS3397	199
MPS3398	123AP
MPS3402	192
MPS3403	192
MPS3404	192
MPS3405	192
MPS3536	108
MPS3563	108
MPS3565	108
MPS3566	123AP
MPS3567	194
MPS3568	194
MPS3569	194
MPS3638	159
MPS3638-5	159
MPS3638A	159
MPS3639	234
MPS3640	159
MPS3642	123AP
MPS3644	159
MPS3645	159
MPS3646	216
MPS3691	123AP
MPS3692	123AP
MPS3693	123AP
MPS3694	123AP
MPS3702	159
MPS3703	159
MPS3704	123AP
MPS3705	123AP
MPS3706	123AP
MPS3707	123AP
MPS3708	123AP
MPS3709	123AP
MPS3710	123AP
MPS3711	123AP
MPS3721	123AP
MPS3826	123AP
MPS3827	123AP
MPS3900	123AP
MPS3900A	123AP
MPS3901	123AP
MPS3903	123AP
MPS3904	123AP
MPS3905	159
MPS3906	159
MPS3992	123A
MPS4248	159
MPS4249	159
MPS4250	159
MPS4250A	159
MPS4258	106 ◆
MPS4274	123AP
MPS4275	123AP
MPS4354	159
MPS4355	159
MPS4356	159
MPS5086	159
MPS5127	123AP
MPS5128	108
MPS5129	108
MPS5131	108
MPS5132	108
MPS5133	123AP
MPS5134	123AP
MPS5135	123AP
MPS5136	123AP
MPS5137	123AP
MPS5138	159
MPS5142	159
MPS5143	159
MPS5172	123AP
MPS5551M	287
MPS5668	312
MPS5855	159
MPS5857	159
MPS6076	159
MPS6134	159
MPS6172	159
MPS6351	123A
MPS6413	123A
MPS6502	6502
MPS6507	108
MPS6507(CPU)	6507
MPS6511	108
MPS6511-S	108
MPS6512	123AP
MPS6513	123AP
MPS6514	123AP
MPS6515	123AP
MPS6516	159
MPS6517	159
MPS6518	159
MPS6519	159
MPS6520	123AP
MPS6521	123AP
MPS6522	159
MPS6523	159
MPS6524	159
MPS6528	107
MPS6529	107
MPS6530	123AP
MPS6531	123AP
MPS6532	123AP
MPS6532(IC)	6532
MPS6533	159
MPS6533M	159
MPS6534	159
MPS6534M	159
MPS6535	159
MPS6535M	159
MPS6539	229
MPS6540	229
MPS6541	229
MPS6542	229
MPS6543	69
MPS6544	123AP
MPS6545	123AP
MPS6546	229
MPS6547	229
MPS6548	229
MPS6552	123A
MPS6553	123A
MPS6554	123A
MPS6555	123AP
MPS6556	123A
MPS6560	123AP
MPS6561	123AP
MPS6562	159
MPS6563	159
MPS6564	123AP
MPS6565	123AP
MPS6566	123AP
MPS6567	229
MPS6568	108
MPS6568A	229
MPS6569	229
MPS6570	229
MPS6571(EBC)	199
MPS6572	123AP
MPS6573	123AP
MPS6574	123AP
MPS6575	123AP
MPS6576	123AP
MPS6580	159
MPS6590	123A
MPS6591	159
MPS6601	128P
MPS6602	128P
MPS6651	129P
MPS6652	129P
MPS6714	128P
MPS6715	128P
MPS6716	128P
MPS6717	128P
MPS6724	48
MPS6725	48
MPS6726	129P
MPS6727	129P
MPS6728	129P
MPS6729	129P
MPS6733	255
MPS6734	255
MPS6735	255
MPS7513	229
MPS7751B	232
MPS8000	159
MPS-8000	195A
MPS8000L	123AP
MPS8001	123AP
MPS8097	123AP
MPS8098	123AP
MPS8099	123AP
MPS8598	159
MPS8599	159
MPS9185	123A
MPS9400	152
MPS9410A	128
MPS9410AJ	128
MPS9410AK	128
MPS9410H	128
MPS9410I	128
MPS9411	299
MPS9411A	299
MPS9411A1	299
MPS9411AI	287
MPS9411G	299
MPS9411H	299
MPS9411T	299
MPS9416(EBC)	289A
MPS9416(H.Sink)	192
MPS9416A(EBC)	289A
MPS9416A(H.Sink)	192
MPS9416AS(EBC)	289A
MPS9416AT(H.Sink)	192
MPS9416AT(EBC)	289A
MPS9416ST(EBC)	289A
MPS9416ST(H.Sink)	192
MPS9417A(H.Sink)	192
MPS9417A(EBC)	289A
MPS9417AS(H.Sink)	192
MPS9417AS(EBC)	289A
MPS9417AT(EBC)	289A
MPS9417AT(H.Sink)	192
MPS9417T(EBC)	289A
MPS9417T(H.Sink)	192
MPS9418(EBC)	289A
MPS9418(H.Sink)	192
MPS9418AS	192
MPS9418AS(EBC)	289A
MPS9418AS(H.Sink)	192
MPS9418AT	192
MPS9418AT(H.Sink)	192
MPS9418AT(EBC)	289A
MPS9418G(EBC)	289A
MPS9418G(H.Sink)	192
MPS9418S(EBC)	289A
MPS9418S(H.Sink)	192
MPS9418T(H.Sink)	192
MPS9418T(EBC)	289A
MPS9423	123A
MPS9423F	108
MPS9423G	108
MPS9423H	108
MPS9423I	108
MPS9426	229
MPS9426A	229
MPS9426B	229
MPS9426-B	229
MPS9426BC	229
MPS9426C	229
MPS9426G	229
MPS9426H	229
MPS9427	229
MPS9427B	229
MPS9427C	229
MPS9433	123AP
MPS9433J	123AP
MPS9433K	123AP
MPS9433S	123AP
MPS9433T	123AP
MPS9434	123AP
MPS9434H	123AP
MPS9434I	123AP
MPS9434J	123AP
MPS9434K	123AP
MPS9436	123AP
MPS9436I	123AP
MPS9436J	123AP
MPS9436S	123AP
MPS9436T	123AP
MPS9444	177
MPS9460A	129
MPS9460H	129
MPS9460I	129
MPS9460J	129
MPS9461A1	287
MPS9461AI	288
MPS9466A	290A
MPS9466A(H.Sink)	193
MPS9466AT	290A
MPS9466AT(H.Sink)	193
MPS9467A(EBC)	298
MPS9467AS	193
MPS9467AS(EBC)	298
MPS9467AT	193
MPS9467AT(EBC)	298
MPS9467T(EBC)	298
MPS9468	193
MPS9468S	193
MPS9468T	193
MPS9476AT	298
MPS9483	159
MPS9483I	159
MPS9483J	159
MPS9483S	159
MPS9483T	159
MPS9484	159
MPS9484H	159
MPS9484I	159
MPS9486	159
MPS9486I	159
MPS9486J	159
MPS9486S	159
MPS9486T	159
MPS9532	85
MPS9532H	85
MPS9532I	85
MPS9532J	85
MPS9538-8	123AP
MPS9538-9	123AP
MPS9538-10	123AP
MPS9538-11	123AP
MPS9538-12	123AP
MPS9600	123A
MPS9600-5	123A
MPS9600F	123A
MPS9600G	123A
MPS9600G/H	123A
MPS9600H	123A
MPS9600I	123A
MPS9601	108
MPS9602	116
MPS9604	229
MPS9604D	123A
MPS9604E	123A
MPS9604FG	108
MPS9604I	123A
MPS9604R	123A
MPS9606	177
MPS9606(Trans)	123AP
MPS9606H	177
MPS9606I	177
MPS9611-5	123A
MPS9616	123A
MPS9616A	123A
MPS9616J	123A
MPS9618	123A
MPS9618H	123A
MPS9618I	123A
MPS9618J	123A
MPS9623	123AP
MPS9623C	123A
MPS9623D	123A
MPS9623E	123A
MPS9623F	123A
MPS9623G	123A
MPS9623G/H	123A
MPS9623H	123AP
MPS9623H/I	123A
MPS9623I	123AP
MPS9623I/J	123A
MPS9625	229
MPS9625C	229
MPS9625D	229
MPS9625E	229
MPS9625F	229
MPS9625G	229
MPS9625H	229
MPS9626	123AP
MPS9626E	123AP
MPS9626G	123AP
MPS9626H	123AP
MPS9626I	123AP
MPS9630	123AP
MPS9630H	123AP
MPS9630I	123AP
MPS9630J	123AP
MPS9630K	123AP
MPS9630T	123AP
MPS9631	123AP
MPS9631H	123AP
MPS9631I	123AP
MPS9631J	123AP
MPS9631K	123AP
MPS9631S	123AP
MPS9631T	123AP
MPS9632	123AP
MPS9632H	123AP
MPS9632I	123AP
MPS9632J	123AP
MPS9632K	123AP
MPS9632T	123AP
MPS9633	123AP
MPS9633B	123AP
MPS9633C	123AP
MPS9633D	123AP
MPS9633G	123AP
MPS9634	123AP
MPS9634B	85
MPS9634C	85
MPS9634D	85
MPS9636TU	123AP
MPS9644	177
MPS9646	177
MPS9646G	177
MPS9646H	177
MPS9646I	177
MPS9646J	177
MPS9646M	177
MPS9664E	108
MPS9666	159
MPS9680	159
MPS9680H	159
MPS9680H/I	159
MPS9680I	159
MPS9680I/J	159
MPS9680J	159
MPS9680T	159
MPS9681	159
MPS9681I	159
MPS9681J	159
MPS9681K	159
MPS9681L	159
MPS9681T	159
MPS9682	159
MPS9682-I	159
MPS9682I	159
MPS9682J	159
MPS9682K	159
MPS9682T	159
MPS9686TU	123AP
MPS9696	289A
MPS9696F	289A
MPS9696G	289A
MPS9696H	123A
MPS9696I	289A
MPS9700D	123AP
MPS9700E	123AP
MPS9700F	123AP
MPS9700G	123AP
MPS9700T	123AP
MPS9700U	123AP
MPS9734D	199
MPS9750D	159
MPS9750F	159
MPS9750G	159
MPS9750T	159
MPS65611	123A
MPS94260	123A
MPS96301I	123A
MPS96469	177
MPS964611	177
MPS 9623G	123A
MPS-A05	287
MPSA05	287
MPS-A06	287
MPSA06	287
MPSA09	123AP
MPSA7	123AP
MPSA10	123AP
MPS-A10	233
MPS-A12	48
MPSA12	48
MPS-A13	46
MPSA13	46
MPS-A14	46
MPSA14	46
MPSA16	123AP
MPSA18	47
MPS-A20	123AP
MPSA20	123AP
MPSA25	46
MPSA26	46
MPSA27	46
MPSA29	46
MPSA42	287
MPS-A42	287
MPS-A43	287
MPSA43	287
MPS-A55	288
MPSA55	288
MPS-A56	159
MPSA56	159
MPSA62	232
MPSA63	232
MPSA64	232
MPSA65	232
MPS-A65	232
MPSA66	232
MPS-A66	232
MPSA70	159
MPS-A70	159
MPSA92	288
MPS-A92	288
MPS-A92A	288
MPSA93	288
MPS-A93	288
MPSD01	287
MPS-D02	288
MPSD03	194
MPSD04	172A
MPSD05	123AP
MPSD06	123AP
MPSD51	288
MPS-D52	287
MPSD52	288
MPSD53	383
MPS-D53	288
MPSD53 (GE)	288
MPSD54	232
MPSD55	159
MPSD56	159
MPSH02	229
MPSH04	194
MPS-H05	123AP
MPSH05	194
MPSH07	108
MPSH08	108
MPS-H10	69
MPSH10	69
MPSH-10	69
MPSH11	229
MPS-H11	229
MPSH17	229
MPS-H17	229
MPSH19	229
MPS-H19	107
MPSH20	229
MPS-H24	229
MPSH24	229
MPSH30	229
MPSH31	229
MPSH32	229
MPSH33	311
MPSH37	123AP
MPSH54	159
MPSH55	159
MPSH81(BEC)	395 ◆
MPS-H81(BEC)	395 ◆
MPSH83	395 ◆
MPSK20	123AP
MPS-K20(Blue)	123A
MPS-K20(White)	123A
MPS-K20(Red)	123A
MPSK21	123AP
MPS-K21(Yellow)	123A
MPS-K21(Green)	123A
MPS-K21(Red)	123A
MPSK22	123AP
MPS-K22(Green)	123A
MPS-K22(Yellow)	123A
MPS-K22(Red)	123A
MPS-K22(White)	123A
MPSK70	159
MPSK71	159
MPSK72	159
MPSL01	287
MPS-L01	194
MPS-L51	288
MPSL51	288
MPSU01	188
MPS-U01	188
MPSU01A	188
MPS-U01A	188
MPSU02	188
MPS-U02	188
MPS-U03	190
MPSU03	190
MPSU04	190
MPS-U04	190
MPS-U05	188
MPSU05	188
MPS-U06	188
MPSU06	188
MPSU07	188
MPS-U10	191
MPSU10	191
MPS-U11	191
MPSU11	191
MPS-U31	322
MPSU31	322
MPS-U31(Final)	322
MPS-U45	272
MPSU45	272
MPS-U51	189
MPSU51	189
MPSU51A	189
MPS-U51A	189
MPSU52	189
MPS-U52	189
MPS-U55	189
MPSU55	189
MPSU56	189
MPS-U56	189
MPSU57	189
MPS-U60	240
MPS-U60RA	240
MPSU95	273
MPS-U95	273
MPSW01	128P
MPSW01A	128P
MPSW05	128P
MPSW06	128P
MPSW10	255
MPSW13	48
MPSW14	48
MPSW42	255
MPSW43	255
MPSW45	48
MPSW55	129P
MPSW56	129P
MPT5N40	67
MPT20	6406§
MPT28	6407
MPT32	6408
MPT4003-10	417
MPT6003-7	419
MPT6004-2	420§
MPT6004-4	418§
MPTE-5C	4901
MPU131	6402
MPU6027	6402
MPU6028	6402
MPX-25	116
MPX215	116
MPX9410H	128
MPX9623H/I	123A
MPX9630I	123A
MPX9681J	159
MQ1	123A
MQ2	123A
MQ32	116
MQ62	116
MQ82	116
MR-1	156
MR1-1600	525
MR-1-1600	525
MR1C	156
MR-1C	156
MR-1M	125
MR1M	116
MR21CR	5404
MR33C-H	5005A
MR36H	134A
MR39C-H	134A
MR47C-H	135A
MR51C-H	135A
MR51E-H	135A
MR56C-H	136A
MR62C-H	137A
MR62E-H	137A
MR62H	137A
MR91C-H	139A
MR91E-H	139A
MR100C-H	140A
MR100H	140A
MR120C-H	142A
MR-150-01	116
MR150C-H	145A
MR322	5962
MR322R	5963
MR323	5962
MR323R	5963
MR327	5966
MR328	5966
MR330	5966
MR421D	229
MR500	5800
MR501	5802
MR502	5802
MR-502	5802
MR504	5804
MR506	5806
MR508	5808
MR510	5809
MR750	5812
MR751	5812
MR752	5814
MR754	5814
MR756	5815
MR758	5817
MR760	5817
MR801	506
MR811	506
MR812	506
MR814	506
MR816	506
MR850	580
MR851	580
MR-852	580
MR854	580
MR856	580
MR860	6006
MR861	6006
MR861R	6007
MR862	6006
MR862R	6007
MR864	6008
MR864R	6009
MR866	6010
MR866R	6011
MR910	580
MR911	580
MR912	580
MR914	580
MR916	580
MR990	125
MR1030A	156
MR1031A	156
MR1031B	156
MR1032A	156
MR1032B	156
MR1120	5870
MR1120R	5871
MR1121	5874
MR1121R	5875
MR1122	5874
MR1122R	5875
MR1123	5878
MR1123R	5882
MR1124	5878
MR1124R	5879
MR1125	5882
MR1125R	5883
MR1126	5882
MR1126R	5883
MR1128	5886
MR1128R	5887
MR1130	5890
MR1130R	5891
MR1230SB	6354
MR1230SBR	6355
MR1231SB	6354
MR1231SBR	6355
MR1232SB	6354
MR1232SBR	6355
MR1233SB	6354
MR1233SBR	6355
MR1235SB	6354
MR1235SBR	6355
MR1237SB	6354
MR1237SBR	6355
MR1238SB	6356
MR1238SBR	6357
MR1239SB	6356
MR1239SBR	6357
MR1337-1	552
MR1337-2	552
MR1337-3	552
MR1337-4	552
MR1337-5	552
MR1366	5822
MR1366R	5823
MR1376	5822
MR1376R	5823
MR1386	6010
MR1386R	6011
MR1396	6010
MR1396R	6011
MR2000S	5912
MR2000SR	5913
MR2001S	5916
MR2001SR	5917
MR2002S	5916
MR2002SR	5917
MR2004S	5920
MR2004SR	5921
MR2006S	5924
MR2006SR	5925
MR2008S	5928
MR2008SR	5929
MR2010S	5932
MR2010SR	5933
MR2064	116
MR2065	116
MR2069	156
MR2070	156
MR2261	116
MR2262	117A
MR2266	551
MR2271	552

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
MR2272	515
MR2273	551
MR2369	156
MR3932	123A
MR3933	128
MR3934	129
MR5005	5826
MR5005R	5827
MR5010	5826
MR5010R	5827
MR5020	5826
MR5020R	5827
MR5030	5826
MR5030R	5827
MR5040	5826
MR5040R	5827
MR5060	5828
MR5060R	5829
MR5080	5828
MR5080R	5829
MR9062	116
MR9600	116
MR9601	116
MR9602	116
MR9604	123A
MR9803	116
MRB-20C	116(4)
MRC1032	1170
MRD14B	3035A
MRD360	3036
MRD370	3036
MRD3050	3032
MRD3051	3032
MRD3054	3032
MRD3055	3032
MRD3056	3032
MRF200(RECT)	552
MRF207	346
MRF209	350
MRF212	350
MRF216	477
MRF216(YEL)	477
MRF221	350F
MRF224	320F
MRF224-G	320F
MRF227	361
MRF229	341♦
MRF230	473
MRF233	350
MRF237	341
MRF238	345
MRF244	352
MRF245	352
MRF247	478
MRF248	253
MRF260	342
MRF262	343
MRF400(RECT)	552
MRF402	473
MRF406	338F
MRF412	317
MRF412A	334
MRF420	335
MRF421	470
MRF421(BL)	470
MRF433	338F
MRF449	333♦
MRF449A	325
MRF450	335
MRF450A	325
MRF451	333
MRF452	333
MRF453	333
MRF453A	334
MRF454	335
MRF454A	336
MRF455	333
MRF455A	334
MRF458	335
MRF458A	336
MRF460	318
MRF463	471♦
MRF464	471♦
MRF472	295
MRF475	236
MRF476	235
MRF485	236
MRF501	161
MRF502	161
MRF511	76
MRF511-Y	76
MRF515	486
MRF600(RECT)	552
MRF607	472
MRF607(GN)	472
MRF618	365
MRF619	366
MRF620	366
MRF621	367
MRF629	361
MRF641	365
MRF644	366
MRF646	367
MRF648	368
MRF800(RECT)	558
MRF817	362
MRF844	485♦
MRF901	64
MRF911	63
MRF1000(RECT)	558
MRF1200(RECT)	558
MRF1500(RECT)	558
MRF4070	352
MRF8003	329
MRF8004	195A
MS1H	116
MS2H	116
MS3H	116
MS4H	116
MS5	5870
MS5H	116
MS11H	116
MS12H	116
MS13H	116
MS14H	116
MS15/1C	503
MS22B	123A
MS35H	116
MS36H	116
MS50	116
MS91X3	505
MS701T	108
MS2991	128
MS7501S	108
MS7501T	108
MS7502R	123A
MS7502S	108
MS7502T	108
MS7503R	123A
MS7504	172A
MS7505	159
MS7506G	129
MS7506H	128
MS7506J	128
MS9667	159
MS9681	159
MSB20C	168
MSD6101	276
MSD6102	113A
MSD7000	276
MSE180	186
MSG7506	128
MSJ7505	129
MSK5405	128
MSL3574	501B
MSM311EL	922M
MSM2114	2114
MSM2114-3	2114
MSM2114L-3RS	2114
MSM2114P	2114
MSM2114P-3	2114
MSM2128-1AS	2128
MSM2128-13AS	2128
MSM2128-15RS	2128
MSM2128-20RS	2128
MSM3764-15RS	2164
MSM3764-20RS	2164
MSM4001	4001B
MSM4001RS	4001B
MSM4002	4002B
MSM4007	4007
MSM4008	4008B
MSM4011	4011B
MSM4011RS	4011B
MSM4012	4012B
MSM4013	4013B
MSM4015	4015B
MSM4016	4016B
MSM4016RS	4016B
MSM4017	4017B
MSM4017RS	4017B
MSM4019	4019B
MSM4019RS	4019B
MSM4020	4020B
MSM4023	4023B
MSM4025	4025B
MSM4027	4027B
MSM4028	4028B
MSM4030	4030B
MSM4032	4032B
MSM4038	4038B
MSM4040	4040B
MSM4042	4042B
MSM4043	4043B
MSM4044	4044B
MSM4049	4049
MSM4050	4050B
MSM4050RS	4050B
MSM4051	4051B
MSM4052	4052B
MSM4053	4053B
MSM4066	4066B
MSM4066RS	4066B
MSM4068	4068B
MSM4069	4069
MSM4069RS	4069
MSM4069S	4069
MSM4069U	4069
MSM4071	4071B
MSM4072	4072B
MSM4073	4073B
MSM4075	4075B
MSM4078	4078B
MSM4081	4081B
MSM4081RS	4081B
MSM4082	4082B
MSM4085	4085B
MSM4086	4086B
MSM4502	4502B
MSM4503	40097B
MSM4512	4512B
MSM4514	4514B
MSM4514RS	4514B
MSM4515	4515B
MSM4518	4518B
MSM4520	4520B
MSM4539	4539B
MSM4556	4556B
MSM4583	4583B
MSM8080A	8080A
MSM40175B	40175B
MSM40192	40192B
MSM40193	40193B
MSM40194	40194B
MSP10A	225
MSP15A	225
MSP20A	225
MSP25A	225
MSP1161	213
MSP999058-1	128
MSR100B	B40240
MSR102B	A40240
MSR200B	B40240
MSR202B	B40240
MSR500	116
MSR-500	116
MSR7502	108
MSR7503	123A
MSR-V5	116
MSS-1000	116
MSS1000	177
MSS7501	108
MSS7502	108
MST-10	128
MST10S	154
MST20S	154
MST30S	154
MST40S	396
MST7501	108
MT021	116
MT021A	116
MT022	116
MT022A	116
MT0404	159
MT0404-1	159
MT0404-2	159
MT0411	159
MT0412	159
MT0413	159
MT1	3031
MT2	3032
MT5	5892
MT14	116
MT24	116
MT30L-A	522
MT30L-C	500A
MT44	116
MT64	116
MT84	125
MT100	108
MT101	108
MT102	108
MT104	123A
MT106	108
MT107	108
MT608A	137A
MT696	123A
MT697	123A
MT698	154
MT699	154
MT706	123A
MT706A	123A
MT706B	123A
MT707	123A
MT708	123A
MT726	159
MT743	108
MT744	108
MT753	108
MT869	159
MT870	154
MT871	154
MT910	154
MT911	154
MT912	154
MT1060	316
MT1131	159
MT1131A	159
MT1132	159
MT1132A	159
MT1132B	159
MT1254	159
MT1255	159
MT1256	159
MT1257	159
MT1258	159
MT1259	159
MT1420	159
MT1613	128
MT1711	128
MT1893	154
MT1991	159
MT2303	159
MT2411	159
MT2412	159
MT3202	124
MT4101	123A
MT4102	123A
MT4102A	123A
MT4103	123A
MT4158A	8070
MT4168A	8076
MT4178A	8081
MT4191A	8085
MT4194A	8090
MT4204A	8096
MT4208A	8098
MT4218A	8103
MT4227A	8108
MT4239A	8115
MT4257A	8125
MT4283A	8139
MT4300A	8149
MT4333A	8167
MT4358A	8181
MT4415A	8213
MT4438A	8226
MT5089	1690
MT5089XC	1690
MT5108	316
MT6001	123A
MT6002	123A
MT6002(TO18)	123A
MT6003	123A
MT-8204AE	1648
MT8244A	8115
MT9001	123A
MT9002	123A
MT52164	3116
MT53164	3117
MT57164	3115
MT102351A	160
MTD40A06N	5711
MTD40A12N	5711
MTD40L06N	5711
MTD40L12N	5711
MTD50A06N	5711
MTD50A12N	5711
MTD50L06N	5711
MTD50L12N	5711
MTD65A12N	5711
MTD95A12N	5721
MTE200E	199
MTJ109	128
MTM5N35	2384♦
MTM5N35-2	2384♦
MTM5N40	2384♦
MTM6N60	2386
MTP2N50	2380
MTP2P45	2381
MTP2P50	2381
MTP2P50-3	2381
MTP3N35	67
MTP5N35	67
MTP5N40	67
MTP8N08	66
MTP8N10	2382
MTP8N10-3	2382
MTP8P10	2383
MTP12N06	2390
MTP12N06-3	2390
MTP12N08	66
MTP12N10	66
MTP564	67
MTP565	67
MTP1224	66
MTP1225	66
MTT18K12N	5710
MTT18L06N	5710
MTT25L06N	5710
MTT25L12N	5710
MTT40A06N	5710
MTT40A12N	5710
MTT40L06N	5700
MTT40L12N	5700
MTT50A06N	5710
MTT50A12N	5710
MTT50L06N	5710
MTT50L12N	5710
MTT65A12N	5710
MTT95A12N	5720
MTZ607	136A
MTZ607A	136A
MTZ608	137A
MTZ608A	137A
MTZ610A	5071A
MTZ611A	138A
MTZ612A	5072A
MTZ613	139A
MTZ613A	139A
MTZ614	140A
MTZ614A	140A
MTZ615A	5074A
MTZ616	142A
MTZ616A	142A
MTZ617A	143A
MTZ618	145A
MTZ618A	145A
MTZ619A	5075A
MTZ620A	5077A
MTZ621A	5079A
MTZ622A	5080A
MTZ623A	5081A
MTZ624	146A
MTZ624A	146A
MTZ625A	5084A
MTZ626A	147A
MTZ627A	5085A
MTZ628A	5086A
MTZ629A	5087A
MTZ630A	5088A
MU10	6410
MU20	6409
MU-26-1C	390
MU1628	177
MU2646	6410
MU2646M	6401
MU4891	6410
MU9610	188
MU9610F	188
MU9610S	188
MU9610ST	188
MU9610T	188
MU9611	188
MU9611G	188
MU9611T	188
MU9660	189
MU9660S	189
MU9660ST	189
MU9660T	189
MU9661	189
MU9661T	189
MUR105	587
MUR110	587
MUR115	587
MUR120	587
MUR605CT	6240
MUR605CTR	6244
MUR610CT	6240
MUR610CTR	6244
MUR615CT	6240
MUR615CTR	6244
MUR620CT	6240
MUR620CTR	6244
MUR1605CT	6240
MUR1605CTR	6244
MUR1610CT	6240
MUR1610CTR	6244
MUR1615CT	6240
MUR1615CTR	6244
MUR1620CT	6240
MUR1620CTR	6244
MUR3005PT	6246
MUR3010PT	6246
MUR3015PT	6246
MUR3020PT	6246
MUS4987	6404
MV1	601
MV-1	601
MV-1Y	601
MV1Y	601
MV1YH	601
MV-2	601
MV3	601
MV3(Diode)	177
MV-3(2)	601
MV3(Rectifier)	116
MV4	600
MV-5	600
MV10	611
MV10A	611
MV11	605A
MV-11	605A
MV-11T	605A
MV11T	605A
MV-11Y	605A
MV-11YM	605A
MV12	605A
MV-12	605A
MV12A	605A
MV-12H	605A
MV-12M	605A
MV-12N	605A
MV12N	605A
MV-12NV	605A
MV13	605A
MV-13	605A
MV13YH	605A
MV-13YH	605A
MV-14	605A
MV20C	525
MV33	614
MV33A	614
MV50	3000
MV52	3003
MV53	3002
MV54	3001
MV55	3004
MV121LF	601
MV-201	611
MV201	611
MV209	614
MV309M4	616
MV401	612
MV832	613
MV834	614
MV1410	613
MV1410A	613
MV1620	610
MV1624	611
MV1626	612
MV1634	613
MV1638	614
MV1720A	610
MV1724	611
MV1724A	611
MV1726	612
MV1726A	612
MV1734	613
MV1734A	613
MV1738	614
MV1738A	614
MV2101	610
MV2103	611
MV2104	612
MV2105	612
MV2107	613
MV2109	614
MV2111	614
MV2201	610
MV2203	611
MV2209	614
MV3007	610
MV3007E	610
MV3010	611
MV3010E	611
MV3012	612
MV3012E	612
MV3015	612
MV3015E	612
MV3020	613
MV3020E	613
MV3027	613
MV3027E	613
MV3033	614
MV3033E	614
MV3039	614
MV3039E	614
MV3501	610
MV3503	611
MV3504	612
MV3507	613
MV5023	3018
MV5024	3019
MV5053	3020
MV5054-2	3025
MV5074B	3007
MV5153	3023
MV5174B	3009
MV5253	3024
MV5274B	3010
MV5353	3021
MV5374B	3011
MV5491	3026
MV5753	3022
MV5774B	3008
MV6113	613
MV9051	611
MV9052	610
MV9053	610
MV9054	610
MV9151	612
MV9152	612
MV9153	612
MV9154	612
MV9251	613
MV9252	613
MV9253	613
MV9254	613
MV9351	614
MV9352	614
MV9353	614
MV9354	614
MV9600	614
MV9601	614
MV52164	3116
MV53164	3117
MV53173	3182
MV54173	3181
MV57164	3115
MV57173	3180
MVA-05A	116
MVB6113	613
MVB6116	613
MVB6124	612
MVB6125	612
MVB6126	612
MVB6128	614
MVB6129	614
MVB6130	614
MVB6136	613
MVE6112	611
MVE6115	611
MVE6124	612
MVE6125	612
MVE6139	610
MVE6141	610
MVS460	147A
MWA110	1768
MWA120	1769
MWA220	1770
MWS5101D8	65101
MWS5101E8	65101
MX-0167	109
MX-0592	1255§
MX205	135A
MX806	5017A
MX2269	1658
MX-2269	1658
MX-3013	1003
MX-3058	1192
MX3122	108
MX3123	108
MX-3198	977
MX-3200	1253
MX3215	1217
MX-3235	1254
MX-3240	1301
MX-3243	801
MX-3256	1192
MX-3260	1192
MX-3267	123AP
MX-3268	123AP
MX-3276	192
MX-3309	74145
MX3336	746
MX-3369	973D
MX-3370	1195
MX-3372	1194
MX-3379	1204
MX-3389	1082
MX-3393	1140
MX-3399	1198
MX3426	1465
MX-3434	1247
MX-3438	778A
MX-3440	812
MX-3449	778A
MX-3452	964
MX3467	1214
MX-3481(EBC)	297
MX-3540	1253
MX-3541	977
MX-3542	1497
MX-3543	950
MX3546	788
MX-3547	1192
MX-3568(Regulator)	128
MX-3623	1239
MX-3624	1234
MX-3625	801
MX3733	123AP
MX-3734	159
MX3734	159
MX3735	123AP
MX-3735	123AP
MX-3743	123AP
MX3743	123AP
MX-3835	778A
MX-3877	778A
MX-3878	1253
MX-3916	1249
MX-3918	1278
MX-3920	1271
MX-3937	123AP
MX-3944	290A
MX-3948	1170
MX-3975	108
MX-3976	1248
MX-3977	1381
MX-3978	123AP
MX-3979	1248
MX-4114	5402
MX-4127	1486
MX-4147	801
MX-4158	123AP
MX-4160	123AP
MX-4339	1932
MX-4465	1512
MX-4476	1563
MX-4478	615A
MX-4479	1246
MX-4491	123AP
MX4491	123AP
MX4492	159
MX-4492	159
MX4493	159
MX-4493	159
MX-4504	289A
MX-4539	229
MX-4540	229
MX-4541	123AP
MX-4542	1557
MX-4712	1571
MX-4873	85
MX-4875	1516
MX-4972	123AP
MX-4973	159
MX-4974	1226
MX-5279	1416
MX-5280	1545
MX-5281	1538
MX-5367	2062
MX-5368	123AP
MX-5369	159
MX-5370	85
MX-5371	85
MX-5372	107
MX-5375	1294
MX-5429	1557
MX-5430	1248
MX-5436	1466
MX-5451	1606
MX-5475	1667
MX-5476	1517
MX-5594	1248
MX-5596	1465
MX-6093	1671
MX-6160	1676
MX-6829	1572
MXC-1312	799
MXC1312A	799
MXC1312P	799
MXT3904	2428
MXT3906	2429
MXTA42	2430
MY-1	116
MY201	612
MZ-00	177
MZ-08	5072A
MZ-047	5009A
MZ-061	5013A
MZ-075	5015A
MZ-081	5016A
MZ090	139A
MZ-5	5010A
MZ5A	136A
MZ5.1T5	135A
MZ-6	5013A
MZ6	137A
MZ6.2	137A
MZ6.2A	137A
MZ6.2B	137A
MZ6.2T5	137A
MZ7	5071A
MZ-7	5071A
MZ8	5072A
MZ-8	5072A
MZ9	131
MZ-10	5019A
MZ10	140A
MZ10A	140A
MZ-11	142A
MZ12	142A
MZ-12	142A
MZ12A	142A
MZ12B	142A
MZ14	144A
MZ15A	145A
MZ15B	5100A
MZ15T20	145A
MZ18B	5103A
MZ27A	146A
MZ33A	147A
MZ70-2.4A	5000A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
MZ70-2.4B	5000A
MZ70-2.5A	5001A
MZ70-2.5B	5001A
MZ70-2.7A	5002A
MZ70-2.7B	5002A
MZ70-3.3A	5005A
MZ70-3.3B	5005A
MZ70MA	5070A
MZ82A	150A
MZ92	140A
MZ92-2.4	5000A
MZ92-2.5	5001A
MZ92-2.7	5002A
MZ92-3.3	5005A
MZ92-3.9A	134A
MZ92-4.7A	135A
MZ92-5.1A	135A
MZ92-5.6A	136A
MZ92-6.0B	5070A
MZ92-6.2A	137A
MZ92-9.1A	139A
MZ92-9.1B	139A
MZ92-10A	140A
MZ92-12A	142A
MZ92-15A	145A
MZ92-24B	5080A
MZ92-27A	146A
MZ92-576-4	7400
MZ110	5156A
MZ-110	5020A
MZ110MA	141A
MZ-110MA	141A
MZ111	5157A
MZ112	5158A
MZ113	5159A
MZ114	5160A
MZ115	5161A
MZ116	5162A
MZ117	5163A
MZ118	5164A
MZ120	5166A
MZ-130	5022A
MZ-140	5023A
MZ-150	5024A
MZ-157	5025A
MZ-177	5077A
MZ203	5004A
MZ204	5007A
MZ204B	5007A
MZ-204B	5007A
MZ-205	5010A
MZ205	5010A
MZ205B	5010A
MZ206	5012A
MZ206B	5012A
MZ-207	5014A
MZ207	5014A
MZ-208	5016A
MZ208	5016A
MZ209	5018A
MZ-209	5018A
MZ210	5019A
MZ-210	5019A
MZ-210B	5019A
MZ210B	5019A
MZ212	5021A
MZ-212	5021A
MZ212B	5021A
MZ214	5023A
MZ214B	5023A
MZ216	5025A
MZ216B	5025A
MZ218	5027A
MZ218B	5027A
MZ220	5029A
MZ220B	5029A
MZ222	5030A
MZ222B	5030A
MZ224	5031A
MZ224A	5031A
MZ224B	5031A
MZ250	5018A
MZ-250	5032A
MZ-270	5033A
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N74145B	74145
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NA02FI	25
NA02FJ	25
NA02FX	25
NA02FY	25
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NA02HY(CBE)	129P
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NA1	5940
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NA11EI	128P
NA11EJ	128P
NA11EX	128P
NA11EY	123AP
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NA11FH	24
NA11FI	24
NA11FJ	24
NA11FX	24
NA11FY	24
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NA11HJ(CBE)	128P
NA11HU(CBE)	128P
NA11HV(CBE)	128P
NA11HX(CBE)	128P
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NA12EG	129P
NA12EH	129P
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NA12EX	129P
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NA12FI	25
NA12FJ	25
NA12FX	25
NA12FY	25
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NA12HI(CBE)	129P
NA12HJ(CBE)	129P
NA12HX(CBE)	129P
NA12HY(CBE)	129P
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NA13E	123AP
NA20	101
NA21	5834
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NA21EJ	128P
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NA21EY	128P
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NA21FI	24
NA21FJ	24
NA21FX	24
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NA21YH	24
NA21YI	24
NA21YJ	24
NA21YX	24
NA21YY	24
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NA22	116
NA22EG	129P
NA22EH	129P
NA22EI	129P
NA22EJ	129P
NA22EX	129P
NA22EY	129P
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NA22FH	25
NA22FI	25
NA22FJ	25
NA22FX	25
NA22FY	25
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NA22YY	25
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NA-25	116
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NA31KX	49
NA31KY	49
NA31W	186A
NA31XI	128P
NA31XX	128P
NA31XY	128P
NA32	116
NA32KG	50
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NA32XG	129P
NA32XH	129P
NA32XI	129P
NA32XJ	129P
NA32XX	129P
NA32XY	129P
NA33	116
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NA-36	116
NA36	116
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NA46	116
NA-46	116
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NA66	117A
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NA92H2	1195
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NA156H	1194
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NA1022-1007	102A
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NA5018-1001	160
NA5018-1002	126A
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NA5018-1016	102A
NA5018-1022	126A
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NA5018-1220	126A
NA16221435	909
NAM383	1232
NAP-TZ-8	121
NAP-T-Z-10	102A
NAP-TZ-10	102A
NASD32	6408
NB011E	123A
NB011EV	123AP
NB013	199
NB021	294
NB021E	290A
NB53-101	853
NB111E	123AP
NB121	159
NB211	297
NB211E	289A
NB211EI	297
NB496A	973D
NC011U	4011B
NC29	109
NC30	102A
NC32	158
NC33	103A
NC34	176
NC207AL	123A
NC510	1255§
NC858C	1198
NC1709CP1	909
NC5104	1255§
NC6040	1255§
NCB14	295
NCB35	235
NCBJ14	295
NCBJ35	235
NCBV14	186A
NCBW35	235
NCD858	1198
NCM2147	2147
NCM2147-1	2147
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NCM2147J-1	2147
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NCM2147N-1	2147
NCM2147N-3	2147
NCR046	128
NCR047	128
NCS9018D	107
NCVB14	186A
ND06AV	988
ND8L05	977
ND8L06	988
ND62WV	988
NDL062	988
NDL806	988
NDS103	210
NE56CCN	832
NE74LS01	74LS01
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NE74LS01N	74LS01
NE74LS13	74LS13
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NE74LS21F	74LS21
NE74LS21N	74LS21
NE74LS26	74LS26
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NE74LS155F	74LS155
NE74LS155N	74LS155
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NE74LS160AN	74LS160A
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NE74LS162AN	74LS162A
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NE74LS170F	74LS170
NE74LS170N	74LS170
NE74LS192	74LS192
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NE74LS258	74LS258
NE74LS258F	74LS258
NE74LS258N	74LS258
NE74LS366	74LS366A
NE74LS366A	74LS366A
NE74LS366AF	74LS366A
NE74LS366AN	74LS366A
NE74LS366F	74LS366A
NE74LS366N	74LS366A
NE74LS368	74LS368
NE74LS368F	74LS368
NE74LS368N	74LS368
NE74LS670	74LS670
NE74LS670F	74LS670
NE74LS670N	74LS670
NE78L05	977
NE78L08	981
NE78M05	960
NE78M24	972
NE269	102A
NE-446AQ	177
NE532AN	928M
NE532AT	928
NE532N	928M
NE532T	928
NE536T	940§
NE542	824
NE542N	824
NE545B	2001
NE555	955M
NE555D	9555M
NE555JG	955M
NE555N	955M
NE555P	955M
NE555V	955M
NE556A	978
NE556D	978SM
NE556N	978
NE556V	978
NE558	926
NE558N	926
NE558V	926
NE565A	989
NE565N	989

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
NE566T	994
NE566V	994M
NE567	832
NE567C	832
NE567D	832SM
NE567DN1	832SM
NE567N	832
NE567V	832
NE592A	927D
NE592D	927D
NE592D(SOIC)	927SM
NE592D14	927SM
NE592F	927D
NE592H	927
NE592N	927D
NE592N14	927D
NE645B	2004
NE646	2004
NE646B	2004
NE646BN	2004
NE646N	2004
NE741CD	941SM
NE3118	289A
NE4304	312
NE4558D	778SM
NE5532F	778A
NE5532N	778A◆
NE5560B	1672
NE5560BA	1672
NE5560F	1672
NE5560N	1672
NE7805	960
NE7806	962
NE7812	966
NE7815	968
NE7824	972
NE8233L	8233
NE8234L	8234
NE8235L	8235
NE8250L	8250§
NE8266L	8266
NE22120	76
NE74014	278
N-EA15X130	107
N-EA15X131	108
N-EA15X132	108
N-EA15X133	126A
N-EA15X134	107
N-EA15X135	107
N-EA15X136	123A
N-EA15X137	123A
N-EA15X138	123A
N-EA15X139	131MP
N-EA16X27	110MP
N-EA16X29	142A
N-EA16X30	116
N-EA2136	158
NEC 575C2	1140
NF500	116
NF501	116
NF506	116
NF520	312
NF522	312
NF523	312
NF531	312
NF533	312
NF550	116
NF4302	457
NF4303	457
NF4304	457
NF5485	312
NF5486	312
NFM5A4A1	B40240
NFM5A6A1	B40240
NFM5B4A1	B40240
NFM5B6A1	B40240
NFM10A4A1	B40240
NFM10A6A1	B40240
NFM10B4A1	B40240
NFM10B6A1	B40240
NFM16A4A1	B40240
NFM16A6A1	B40240
NFM16B4A1	B40240
NFM16B6A1	B40240
NGP3002	109
NGP3003	5802
NGP5002	137A
NGP5007	139A
NGP5010	142A
NJ100A	107
NJ100B	123A
NJ101	159
NJ101B	159
NJ102C	123A
NJ107	128
NJ181B	102A
NJ202B	107
NJ703N	703
NJF1033G	312
NJM071M	857SM
NJM072D	858M
NJM072M	858SM
NJM074M	858SM
NJM082D	858M
NJM082M	858SM
NJM18H	958
NJM78L05	977
NJM78L05A	977
NJM78L05AV	977
NJM78L05F	977
NJM78L08	981
NJM78L-09	1902
NJM78L09	1902
NJM78L09A	1902
NJM78L-09A	1902
NJM78L12	950
NJM78L12A	950
NJM78L-15A	951
NJM78L15A	951
NJM78L-24	1908
NJM78L24	1908
NJM78L24A	1908
NJM78L-24A	1908
NJM78M-05	960
NJM78M05	960
NJM78M-05A	960
NJM78M05A	960
NJM78M-06	962
NJM78M06	962
NJM78M-06A	962
NJM78M06A	962
NJM78M08	964
NJM78M-08	964
NJM78M-08A	964
NJM78M08A	964
NJM78M12	966
NJM78M-12	966
NJM78M-12A	966
NJM78M12A	966
NJM78M15	968
NJM78M-15	968
NJM78M15A	968
NJM78M-15A	968
NJM78M-18	958
NJM78M18	958
NJM78M-18A	958
NJM78M18A	958
NJM78M24	972
NJM78M-24	972
NJM78M-24A	972
NJM78M24A	972
NJM301M	975SM
NJM311M	922SM
NJM318D	918
NJM318T	918
NJM324	987
NJM324M	987SM
NJM386D	823
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NLF151M	5371
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NLF151S	5372
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NLF151T	5372
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NL-F152C	5577
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NLF152E	5577
NL-F152E	5577
NL-F152M	5577
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NL-F152P	5579◆
NLF152P	5579◆
NL-F152S	5579◆
NLF152S	5579◆
NLF152T	5579◆
NL-F152T	5579◆
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NLF701S	5599
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NL-F701T	5599
NLF701T	5599
NM2116-20L	2128
NMC2116	2128
NMC2116-20	2128
NMC2116-25L	2128
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NMC2532Q	2532
NMC4164	2164
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NMC4164J-15	2164
NMC4164N	2164
NMC4164N-15	2164
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NMC6508-9	6508
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NMC6508J-5	6508
NMC6508J-9	6508
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NMC6508N-9	6508
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NN7501	193
NN7502	193
NN7503	193
NN7504	193
NN7505	193
NN7511	193
NOS9411	192
NP16AT	6240
NP16BT	6240
NP16DT	6240
NP30AM	6200
NP30BM	6200
NP30DM	6200
NP30GM	6202
NP30JM	6204
NP50A	116
NP60A	116
NP117	123
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NP118A	123
NP119	123
NP120	123
NP160	123
NP160A	123
NP161	123
NP161A	123
NP162	107
NP162H	107
NP163	123
NP163A	123
NP262	100
NP263	108
NP264	108
NP327	100
NP327A	100
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NP328	129
NP328A	129
NP328B	129
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NP479	123
NP479A	123
NP480	123
NP480A	123A
NP495	106
NP541	123A
NP542	123A
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NP543	123A
NP543A	123A
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NP551	123
NP552	123
NP560	123
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NP621	108
NP622	123
NP696	123
NP697	128
NP697A	123
NP699A	154
NP699B	154
NP702	108
NP703	108
NP706	108
NP706A	108
NP706B	108
NP706C	108
NP708	123A
NP708A	123A
NP709	108
NP709A	108
NP715	123
NP717	108
NP718	108
NP719	194
NP719A	194
NP720	128
NP720A	128
NP721	159
NP721A	159
NP722	159
NP722A	159
NP726	106
NP727	106
NP728	123
NP729	123
NP738	154
NP739	154
NP739A	154
NP740	154
NP740A	154
NP742	123
NP742A	123
NP743	108
NP743A	108
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NP753	123A
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NP758B	123
NP759	108
NP759A	123
NP759B	123
NP760	108
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NP760B	123
NP761	108
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NP793	123
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NP834A	123A
NP839	123A
NP840	123A
NP841	108
NP842	123A
NP843	108
NP844	123A
NP849	108
NP850	108
NP851	108
NP852	108
NP860	159
NP861	159
NP866	123
NP867	129
NP870	128
NP871	128
NP909	123
NP910	128
NP911	128
NP912	128
NP915	123A
NP916	108
NP916A	108
NP917	161
NP917A	161
NP919	123A
NP920	123A
NP921	123A
NP922	123A
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NP924	159
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NP926	159
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NP943	159
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NP945	159
NP947	123A
NP957	123A
NP978	106
NP981	128
NP988	108
NP989	108
NP995	106
NP996	106
NP997	172A
NP998	172A
NP999	172A
NP1005	108
NP1006	123A
NP1024	106
NP1025	159
NP1026	159
NP1027	159
NP1028	159
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NP1053	154
NP1054	154
NP1060	108
NP1081	123A
NP1092	128
NP1095	103
NP1096	103
NP1103	123A
NP1104	123
NP1116	123A
NP1117	123A
NP1118	159
NP1118A	159
NP1131	159
NP1131A	159
NP1132	159
NP1132A	159
NP1139	123A
NP1149	123
NP1150	123
NP1151	123
NP1152	123
NP1153	123
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NP1222	159
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NP1234	129
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NP1241	106
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NP1249	123
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NP1275	129
NP1276	123
NP1277	123
NP1278	123
NP1279	123
NP1386	123
NP1387	123
NP1388	123
NP1409	160
NP1410	160
NP1417	123A
NP1418	123A
NP1420	123A
NP1420A	123A
NP1439	159
NP1440	159

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
NP1441	159
NP1442	159
NP1443	159
NP1469	100
NP1472	128
NP1474	159
NP1474A	159
NP1505	108
NP1506	108
NP1506A	108
NP1507	108
NP1572	154
NP1573	154
NP1574	154
NP1586	107
NP1587	107
NP1588	123A
NP1589	107
NP1590	107
NP1591	123A
NP1592	107
NP1593	107
NP1594	123A
NP1623	129
NP1640	106
NP1641	106
NP1642	106
NP1643	159
NP1644	123A
NP1663	123A
NP1674	123A
NP1682	123
NP1704	123A
NP1708	123A
NP1708A	123A
NP1763	123
NP1764	128
NP1838	123A
NP1839	123A
NP1840	123A
NP1889	128
NP1890	128
NP1893	282§
NP1919	159
NP1920	159
NP1921	159
NP1944	123A
NP1945	123A
NP1946	123A
NP1947	123A
NP1948	123A
NP1949	123A
NP1950	123A
NP1951	123A
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NP1958	123A
NP1959	123A
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NP1986	123A
NP1987	123A
NP1988	123A
NP1989	108
NP1990	128
NP1991	159
NP1992	123A
NP2002	159
NP2003	159
NP2006	159
NP2007	159
NP2008	194
NP2017	128
NP2038	123A
NP2039	123A
NP2040	123A
NP2041	123A
NP2049	123A
NP2106	128
NP2107	128
NP2108	128
NP2161	123A
NP2162	159
NP2165	159
NP2181	159
NP2182	159
NP2185	159
NP2186	159
NP2187	159
NP2192	128
NP2192A	128
NP2192B	128
NP2193	128
NP2193A	128
NP2193B	128
NP2194	128
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NP2194B	128
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NP2195A	128
NP2195B	108
NP2198	123
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NP2205	123A
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NP2218A	123
NP2219A	123A
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NP2221	123A
NP2221A	123A
NP2222	123A
NP2222AP	123AP
NP2236	123A
NP2237	123A
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NP2246	123A
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NP2249	123A
NP2250	123A
NP2251	123A
NP2252	123A
NP2253	123A
NP2254	123A
NP2255	123A
NP2257	123A
NP2258	160
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NP2272	123A
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NP2275	159
NP2297	128
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NP2429	102A
NP2430	103A
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NP2484	123A
NP2501	123A
NP2509	154
NP2510	154
NP2511	154
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NP2894	159
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NP3417	123A
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NP3468	129
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NP3493	108
NP3498	123
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NP3568	128
NP3569	128
NP3570	108
NP3576	106
NP3582	159
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NP3605	123A
NP3606	123A
NP3607	123A
NP3638	159
NP3638A	159
NP3641	123A
NP3642	128
NP3643	123A
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NT7717	5121A
NT7719	5124A
NT7720	5125A
NT7721	5126A
NT7722	5127A
NT7723	5128A
NT7724	5130A
NT7725	5131A
NT7726	5133A
NT7727	5135A
NT7728	5136A
NT7729	5137A
NT7730	5139A
NT7731	5141A
NT7732	5142A
NT7733	5143A
NT7734	5144A
NT7735	5145A
NT7736	5146A
NT7737	5147A
NT7738	5148A
NT7739	5150A
NT7740	5151A
NT7741	5152A
NT7743	5155A
NT7744	5156A
NT7745	5157A
NT7746	5158A
NT7747	5159A
NT7748	5161A
NT7749	5162A
NT7750	5164A
NT7751	5166A
NT9008	123AP
NT9507	159
NT9970	5065A
NT9971	134A
NT9972	5068A
NT9974	137A
NT9981	5112A
NT9982	5114A
NT9983	5116A
NT9984	5119A
NTC-5	108
NTC-7	199
NTC-9	198
NTC-12	165
NTC-13	109
NTC-14	109
NTC-16	503
NTC-17	506
NTC-19	116
NTC-20	5074A
NTC-21	712
NTC21	712
NTC77C18	5133A
NTM2222A	2406
NTM2907A	2407
NTM3904	2406
NTM3906	2407
NU34	109
NU398B	116
NV004	614
NV009	614
NV022D05	1V014
NV022D09	1V014
NV022D10	2V014
NV022D14	2V014
NV027D05	1V017
NV027D09	1V017
NV027D10	2V017
NV027D14	2V017
NV033D05	1V020
NV033D09	1V020
NV033D10	2V020
NV033D14	2V020
NV056D05	1V035
NV056D09	1V035
NV056D10	2V035
NV056D14	2V035
NV082D05	1V050
NV082D09	1V050
NV082D10	2V050
NV082D14	2V050
NV200D05	1V130
NV200D09	1V130
NV200D10	2V130
NV200D19	524V13
NV200V14	2V130
NV240D05	1V150
NV240D09	1V150
NV240D10	2V150
NV240D14	2V150
NV240D19	524V15
NV390D05	1V250
NV390D09	1V250
NV390D10	2V250
NV390D14	2V250
NV390D19	524V25
NV780D10	2V480
NV780D14	2V480
NV780D19	524V48
NZ-206	5070A
O0415	159
O03462	107
O0A07	787
O1F-SL8020	703
O2Z5.6A	136A
O2Z5.6Y	5011T1
O2Z6.2A	137A
O2Z6.2W	137A
O2Z6.8A	5071A
O2Z7.5A	138A
O2Z8.2A	5072A
O2Z9.1A	139A
O2Z10A	140A
O2Z-10A	140A
O2Z11A	5074A
O2Z12A	142A
O2Z12GR	5021A
O2Z13A	143A
O2Z15A	145A
O2Z16A	5075A
O2Z18A	5077A
O2Z24A	5081A
O3A02	123A
O3A03	123A
O3A05	108
O3A06	294
O3A07	123A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
O3A09	312
O3A1O	222
O3A10	222
O3A11	199
O3A12	123AP
O3AO2	123A
O3AO3	123A
O3AO5	108
O3AO6	294
O3AO7	123A
O3AO9	312
O4O934	130
O4S05	302
O4S06	235
O4S11	152
O4SO5	302
O4SO6	235
O5A01	519
O5A03	109
O5A05	519
O5A06	177
O5A07	116
O5A08	614
O5A09	156
O5AO1	519
O5AO3	109
O5AO5	519
O5AO6	177
O5AO7	116
O5AO8	614
O5AO9	156
O5B(ZENER)	5009A
O5M1	5010A
O5Z3.9Y	5007A
O5Z4.3Y	5008A
O5Z4.3Z	5009A
O5Z4.7Y	5009A
O5Z5.1X	5010T1
O5Z5.1Y	5010T1
O5Z5.1Z	5010T1
O5Z5.6L	136A
O5Z5.6X	5011T1
O5Z5.6Y	5011T1
O5Z6.2	137A
O5Z-6.2L	137A
O5Z6.2W	5013T1
O5Z6.2WFA-1	5013T1
O5Z6.2Y	5013T1
O5Z6.2Z	5013T1
O5Z6.8	5071A
O5Z6.8Y	5014A
O5Z6.8Z	5014A
O5Z7.5	138A
O5Z8.2	5072A
O5Z9.1	139A
O5Z10	140A
O5Z10L	140A
O5Z11	5074A
O5Z12	142A
O5Z12X	5021A
O5Z12Y	5021T1
O5Z13	143A
O5Z15	145A
O5Z15Y	5024A
O5Z16	5075A
O5Z16X	5025A
O5Z18	5077A
O5Z24	5081A
O5Z33-Y	5036A
O5Z33Y	5036A
O6C(ZENER)	5012A
O6M(ZENER)	5012A
O6M(Zener)	5012A
O7B2B	708
O7B27	708
O7D	5015A
O8A	5015A
O9-306113	177
O9-306195	177
O9-308084	1127
O9-309060	123A
O9AO7	787
O9C5(Zener)	5018A
O50A1GOF	5567
O50A1OOF	5567
O50AAGOF	5567
O50AAOOF	5567
O50BBGOF	5567
O50BBOOF	5567
O101	116
O234	116
O5001GOF	5567
O5002GOF	5567
O5002OOF	5567
O5003GOF	5568
O5003OOF	5568
O5004GOF	5568
O5004OOF	5568
O5005GOF	5568
O5005OOF	5568
O5006GOF	5568
O5006OOF	5568
O5007GOF	5569
O5007OOF	5569
O5008G0F	5569
O5009GOF	5569
O5009OOF	5569
O5010GOF	5569
O5010OOF	5569
O5011GOF	5569
O5012G0F	5569
O5012OOF	5569
O20841	921
O72065A	5360
O501100F	5569
OA2	507
OA6	109
OA7	109
OA8	116
OA9	110A
OA9D	109
OA9Z	109
OA10	5800
OA-10	128
OA47	109
OA50	109
OA70	109
OA71	109
OA71C	109
OA72	109
OA73	109
OA73C	109
OA74	109
OA74A	109
OA79	109
OA81	109
OA81C	109
OA85	109
OA85C	109
OA86	109
OA86C	109
OA90	109
OA-90	109
OA-90(G)	109
OA90AG	110A
OA90AM	109
OA90FM	110MP
OA90FV	109
OA-90G	109
OA90G	109
OA90GA	109
OA90LF	109
OA90M	109
OA90MFV	109
OA90MLF	109
OA90Z	109
OA90ZA	109
OA-91	109
OA91	109
OA91A	109
OA92	109
OA-95	110MP
OA95	110MP
OA99	109
OA111SE	5074A
OA126/5	5069A
OA126/10	5020A
OA126/12	142A
OA126-12	142A
OA126/14	144A
OA127	116
OA128	116
OA129	116
OA130	116
OA131	116
OA132	116
OA134Q	109
OA150	109
OA151	160
OA152	160
OA159	109
OA160	109
OA161	109
OA172	109
OA174	109
OA180	116
OA200	177
OA202	177
OA205	177
OA210	116
OA211	116
OA214	116
OA541	109
OA909	109
OA1265	135A
OA12610	140A
OA12612	142A
OA12614	144A
OAZ200	5009A
OAZ201	5010A
OAZ202	5011A
OAZ203	5013A
OAZ204	5014A
OAZ205	5015A
OAZ206	5016A
OAZ207	5018A
OAZ208	5008A
OAZ209	5010A
OAZ210	5013A
OAZ211	5015A
OAZ212	5018A
OAZ213	5021A
OAZ222	5178AK
OAZ223	5180AK
OAZ224	5181A
OAZ225	5182AK
OAZ226	5183A
OAZ227	5185A
OAZ228	5186A
OAZ229	5187A
OAZ230	5188A
OAZ231	5189A
OAZ232	5191A
OAZ233	5192A
OAZ234	5194A
OAZ235	5196A
OAZ236	5197A
OAZ237	5198A
OAZ240	5009A
OAZ241	5010A
OAZ242	5011A
OAZ243	5013A
OAZ244	5014A
OAZ245	5015A
OAZ246	5016A
OAZ247	5018A
OAZ268	5008A
OAZ269	5010A
OAZ270	5013A
OAZ271	5015A
OAZ272	5018A
OAZ273	5021A
OAZ290	5180AK
OAZ291	5182AK
OAZ292	5185A
OB2764K-2	2764
OBG1000	3115
OC-16	121
OC16	104
OC19	121
OC20	121
OC22	104
OC-22	121
OC-23	121
OC23	104
OC-24	121
OC24	104
OC25	104
OC-25	121
OC-26	121
OC26	104
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OC-28	121
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OC29	104
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OC30	131
OC30A	131
OC-30A	131
OC30B	131
OC32	102
OC33	102A
OC34	102A
OC-34	102A
OC-35	121
OC35	104
OC36	104
OC-36	121
OC-38	102A
OC38	102A
OC40	126A
OC41	102
OC41A	102A
OC41N	102A
OC42	126A
OC42N	102A
OC43	126A
OC43N	126A
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OC45	102A
OC-45	102A
OC45N	102A
OC-46	102A
OC46	102A
OC46N	102A
OC-47	102A
OC47	102A
OC47N	102A
OC50	126A
OC53	160
OC54	160
OC55	160
OC56	102A
OC-65	102A
OC65	102A
OC66	102A
OC-66	102A
OC70	102A
OC-70	102A
OC70N	102A
OC71	102A
OC-71	102A
OC71A	102A
OC-71A	102A
OC71N	102A
OC-71N	102A
OC-72	102A
OC73	102A
OC-73	102A
OC-74	102A
OC74	102A
OC74N	102A
OC-75	102A
OC75	102A
OC75N	102A
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OC76	102A
OC-77	102A
OC77M	102A
OC78	102A
OC-79	102A
OC79	102A
OC80	102A
OC81	102A
OC81D	102A
OC81DD	102A
OC-81DD	102A
OC81DN	102A
OC83	158
OC84	158
OC110	102A
OC120	102A
OC-130	100
OC130	126A
OC139	103A
OC140	103A
OC-140	100
OC141	103A
OC-169	160
OC169	160
OC169R	160
OC-170	126A
OC170	160
OC170N	160
OC170R	160
OC170V	160
OC171	160
OC-171	126A
OC171N	160
OC171R	160
OC171V	160
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OC201	159
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OC203	159
OC204	159
OC205	159
OC206	159
OC207	159
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OC303	102A
OC304	102A
OC-304	176
OC304-1	102A
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OC-304/2	158
OC304-2	102A
OC304-3	102A
OC-304/3	158
OC304N	102A
OC305	102A
OC-305/1	158
OC305-1	102A
OC-305/2	158
OC305-2	102A
OC306	102A
OC306-1	102A
OC-306/1	158
OC-306/2	158
OC306-2	102A
OC-306/3	158
OC306-3	102A
OC307	102A
OC-307	102A
OC307-1	102A
OC307-2	102A
OC307-3	102A
OC-308	102A
OC308	102A
OC309	102A
OC309-1	102A
OC309-2	102A
OC309-3	102A
OC-318	102A
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OC320	160
OC330	102A
OC-330	102A
OC331	126A
OC-340	102A
OC340	102A
OC-341	102A
OC341	126A
OC-342	102A
OC342	126A
OC-343	102A
OC343	126A
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OC-350	102A
OC351	126A
OC-351	102A
OC-360	102A
OC360	102A
OC361	126A
OC362	126A
OC-362	102A
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OC363	126A
OC-364	102A
OC364	102A
OC390	126A
OC-390	126A
OC400	160
OC-410	100
OC410	160
OC430	159
OC430K	159
OC440	159
OC440K	159
OC443	159
OC443K	159
OC445	159
OC445K	159
OC449	159
OC449K	159
OC450	159
OC460	159
OC460K	159
OC463	159
OC463K	159
OC465	159
OC465K	159
OC466	159
OC466K	159
OC467	159
OC467K	159
OC468	159
OC468K	159
OC469	159
OC469K	159
OC470	159
OC470K	159
OC601	102A
OC602	102A
OC-602	102A
OC602SP	102A
OC602SQ	102A
OC603	102A
OC-604	102A
OC604	102A
OC604SP	102A
OC612	126A
OC-612	126A
OC-613	126A
OC613	126A
OC-614	126A
OC614	126A
OC-615	160
OC615	126A
OC615N	160
OC700	159
OC700A	159
OC700B	159
OC702	159
OC702A	159
OC702B	159
OC704	159
OC711	102A
OC740	159
OC740G	159
OC740M	159
OC740O	159
OC742	159
OC742G	159
OC742M	159
OC742O	159
OC810	102A
OC-975	126A
OD-SS1885XT	116
OF66	506
OF129	102A
OF-129	102A
OF131	519
OF156	519
OF160	116
OF162	177
OF164	116
OF173	109
OF449	552
OG-30L125	116
OG/610232-2	123AP
O-I5551	194
OLD315D	3010
OLD416LD	3000
OLD3101D	3024
OLD4101D	3025
OLD7101D	3021
ON047204-2	123A
ON67A	109
ON174	160
ON271	123A
ON274	123A
ON642	280
ON732	245
ON769(CBE)	47
ON3500	3046
ON4047	2318
ON47204-1	123A
ONO84443	100
OOV60529	128
OP-130	3028
OP130	3028
OP-131	3028
OP131	3028
OP800	3032
OP801	3032
OP13009	3047
OP13010	3047
OP13011	3047
OP13012	3047♦
OP13020	3048
OP13021	3048
OP13022	3048
OP13023	3048♦
OP16000	3088
OP16100	3088
OP17002	3081
OP17010	3081♦
OP17320	3082
OP17340	3082
OPB816	3100
OPB817	3100
OPI2100	3041
OPI2151	3040
OPI-2151	3040
OPI2152	3040
OPI-2152	3040
OPI2153	3041
OPI2154	3040
OPI2155	3040
OPI2250	3040
OPI2251	3040
OPI-2252	3040
OPI2252	3040
OPI2253	3041
OPI2254	3040
OPI2255	3041
OPI3009	3047
OPI3010	3047
OPI3011	3047
OPI3012	3047♦
OPI3020	3048
OPI3021	3048
OPI3022	3048
OPI3023	3048♦
OPI3030	3049
OPI3031	3049
OPI3032	3049♦
OPI3150	3084
OPI3151	3084
OPI3152	3083
OPI3153	3084
OPI3250	3084
OPI3251	3084
OPI3252	3083
OPI3253	3084
OPI5000A	3040
OPI5010A	3040
OPI6000	3088
OPI6100	3088
OPI7002	3081
OPI7010	3081♦
OPI7320	3082
OPI7340	3082
OPL1209	3007
OPL1210	3009
OPL1211	3010
ORF-2	128
OS70	109
OS492	176
OS16308	116
OS-16308	116
OSD-0033	138A
OSS16308	109
OSS-16308	116
OSS16685	109
OSS-16685	109
OSS36503	116
OSS36685	116
OSS36885	116
OSS-36885	116
OV02	506
OX-0241	109
OY101	116
OY-5061	116
OY5061	116
OY-5062	116
OY5062	116
OY5063	116
OY5064	116
OY5065	116
OY5066	116
OY5067	125
OZ-0505P600	5011A
OZ3.6T5	134A
OZ3.6T10	134A
OZ5.1T5	135A
OZ5.1T10	135A
OZ5.6T5	136A
OZ6.2T5	137A
OZ6.2T10	137A
OZ10T5	140A
OZ10T10	140A
OZ12T5	142A
OZ12T10	142A
OZ15T5	145A
OZ15T10	145A
OZ27T5	146A
OZ27T10	146A
P00347100	159
P00347101	159
P04-41-0025-001	519
P04-42-0011	519
P04-44-0028	123A
P04-45-0014-P2	123A
P04-45-0014-P5	123A
P04-45-0015-P1	159
P04-45-0016-P1	159
P04-45-0026-P5	128
P04-450016-002	159
P074LS04	74LS04
P0102AA	5402
P0102BA	5404
P0102CA	5405
P0102DA	5406
P0103BA	5404
P0103DA	5405
P0103MA	5406
P0445-0034-1	181
P0445-0034-2	181
P04410025-003	519
P04410042-001	519
P04410042-002	519
P04440028-001	123A
P04440028-009	123A
P04440028-014	123A
P04440028-8	123A
P04440032-001	123A
P04450016-004	159
P04450026P5	128
P04450032-1	218
P04450034-1	181
P04450034-2	181
P04450037	181
P0SN74LS14N	74LS14
P1A	121
P1A5	116
P1B	159
P1B5	116
P1C	159
P1C5	116
P1CG	159
P1D	159
P1D5	116
P1E	219
P1E-1	121
P1E-1BLK	219
P1E-1BLU	219
P1E-1GRN	219
P1E-1RED	219
P1E-1VIO	219
P1E-2BLK	219
P1E-2BLU	219
P1E-2GRN	219
P1E-2RED	219
P1E-2VIO	219
P1E-3BLK	219
P1E-3BLU	219
P1E-3GRN	219
P1E-3RED	219
P1E-3VIO	219
P1F	127
P1G	121
P1H	159
P1J	159
P1K	121
P1KBLK	121
P1KBLU	121
P1KBRN	121
P1KGRN	121
P1KORN	121
P1KRED	121
P1KYEL	121
P1L	102A
P1L4956	102A
P1M	129
P1N	159
P1N-1	159
P1N-2	159
P1N-3	159
P1P	159
P1P-1	159
P1R	104
P1T	121
P1V	185
P1V-1	185
P1V-2	185
P1V-3	185
P1V-4	153
P1W	159
P1Y	127
P2A	159
P2A5	116
P2B	153
P2B5	116
P2C	104
P2C5	116
P2D	121
P2D5	116
P2DBLU	121
P2DBRN	121
P2DGRN	121
P2DORN	121
P2DRED	121
P2DYEL	121
P2E	159
P2F	176
P2G	159
P2GE	159
P2H	159
P2J	180
P2K	153
P2L	159
P2M-1	159
P2M-2	159
P2M-3	159
P2M3Z	5404
P2P	159
P2R	104
P2S	159
P2T	185
P2T-1	185
P2T-2	185
P2T-3	185
P2T-4	185
P2U	189
P2U-1	189
P2U-2	211
P2V	189
P2W	159
P2Y	159
P2Z	179
P3/2H	116
P3A	197
P3A5	116
P3B	158
P3B5	116
P3C	159
P3C5	116
P3CA	159
P3D	102A
P3D5	116
P3E	131
P3EBLK	104
P3EBLU	104
P3EGRN	104
P3ERED	104
P3H	127
P3J	127
P3K	189
P3M	185
P3N	185
P3N-1	185
P3N-2	185
P3N-3	185
P3N-4	185
P3N-5	183
P3P	185
P3P-1	185
P3P-2	185
P3P-3	185
P3P-4	185
P3P-5	185
P3R	131
P3R-1	131

♦, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
P3R-2	131
P3R-3	131
P3R-4	131
P3S	185
P3T	131
P3T-1	131
P3T-2	131
P3U	197
P3UA	183
P3V	242
P3W	219
P3Y	189
P3Z	159
P4A5	116
P4B	193
P4B5	116
P4C	159
P4C5	116
P4D	104
P4D5	116
P4E	185
P4E-1	183
P4E-2	183
P4E-3	242
P4E-4	242
P4F	127
P4G	159
P4H	127
P4J	242
P4J148	152
P4K	159
P4L	104
P4M	121
P4N	104
P4P	159
P4R	159
P4S	185
P4T	183
P4U	185
P4V	185
P4V-1	185
P4V-2	183
P4W	153
P4W-1	185
P4W-2	185
P4Y	159
P4Z	128
P5A5	116
P5B	159
P5B5	116
P5C	159
P5C5	116
P5D	159
P5D5	116
P5F	242
P5H	153
P5L	185
P5M	187
P5R	185
P5S	242
P5U	153
P6/2H	116
P6A5	116
P6B5	116
P6C5	116
P6D5	116
P6E	185
P6G	153
P6KE6.8	4902
P6KE6.8A	4902
P6KE6.8CA	4903
P6KE13	4918
P6KE13A	4918
P6KE13CA	4919
P6KE18	4926
P6KE18A	4926
P6KE18CA	4927
P6KE20	4928
P6KE20A	4928
P6KE20CA	4929
P6KE27	4934
P6KE27A	4934
P6KE27CA	4935
P6KE51	4950
P6KE51A	4950
P6KE51CA	4951
P6KE68	4958
P6KE68A	4958
P6KE68CA	4959
P6KE200	4988
P6KE200A	4988
P6KE200CA	4989
P6RP8	125
P6RP10	125
P7A5	116
P7B5	116
P7C5	116
P7D5	116
P8/2H	116
P8B	197
P8C	292
P8H	153
P13T1	6402
P15	113A
P16	114
P17	115
P19C	5987♦
P19E	5991♦
P19G	5995♦
P19J	5999♦
P20	116
P20C	5986♦
P20E	5990♦
P20G	5994♦
P20J	5998♦
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P25DA40U	5711
P25DA60U	5711
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P40DS80U	5710
P40DS100U	5710
P40DS120U	5710
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P55DS120U	5710
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P67	159
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P70D40U	6230
P70D60U	6230
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P70D100U	6230
P70D120U	6230
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P150J	116
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P174	5705
P175	5705
P200	116
P218-1	188
P218-2	189
P-300D	156
P300GG1	116
P346	108
P400	116
P400E05	6102
P400E05R	6103
P480A0018	128
P480A0022	159
P480A0023	159
P480A0027	159
P480A0028	123A
P480A0029	123A
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P504A	3086
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P506	5940
P506R	5944
P510	5940
P510R	5944
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P532	3041
P541G	3091
P547G	3091
P580	125
P600	116
P600A	5812
P600B	5812
P600D	5814
P600G	5814
P600J	5815
P600K	5817
P800	125
P1000	125
P1000A	159
P1004	5944
P1004R	5855
P1006	5944
P1006R	5855
P1010	5944
P1010R	5945
P1062-02	3041
P1104	6002
P1104R	6003
P1106	6002
P1106R	6003
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P1110R	5891
P1172	177
P1172-1	177
P1603-02	3041
P1901-48	199
P1901-50	123A
P1901-70	159
P2004	5944
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P2010	5944
P2010R	5945
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P2102A-6	2102
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P2104A-2	2104
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P2104A-4	2104
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P2107A-4	2107
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P2107AA5	2107
P2107B	2107
P2107B-1	2107
P2107B-2	2107
P2107B-4	2107
P2107C	2107
P2107C-2	2107
P2107C-4	2107
P2114	2114
P2114-3	2114
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P2114AP-3	2114
P2117-4	2117
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P2128-15	2128
P2128-20	2128
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P2147-3	2147
P2147-6	2147
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P2164-15	2164
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P2164A-20	2164
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P2217-5	2117
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P2732A-2	2732
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P2732A-4	2732
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P3604	74S475
P3604A	74S475
P3604A-2	74S475
P3605	74S572
P3605A	74S572
P3605A-1	74S572
P3608	74S479
P3621	74S287
P3622	74S571
P3624	74S474
P3624A	74S474
P3624A-2	74S474
P3625	74S573
P3625A	74S573
P3625A-1	74S573
P3628	74S478
P3628A	74S478
P3628A-1	74S478
P3628A-3	74S478
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P5010R	5883♦
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P5101-3	65101
P5101-8	65101
P5101L-3	65101
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P5149	130
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P5153	123A
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P6006	5952
P6006R	5953
P6009	242
P6010	5882♦
P6010R	5883♦
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P6128	175
P6500A	181
P6502B	6502
P6786	128
P6804	175
P7109	156
P7394	177
P7776	117A
P8004	5998
P8004R	5999
P8006	5998
P8006R	5999
P8010	5886♦
P8010R	5887♦
P8080A	8080A
P8102A	2102
P8102A-4	2102
P8212	8212
P8216	8216
P8216C	8216
P8224	8224
P8224C	8224
P8228	8228
P8255	8255
P8255C	8255
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P-8393	123A
P8394	123A
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P8890	121
P8890A	121
P8890L	121
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P9623	123A
P9626-96	65101
P9962-1	128
P9962-2	128
P9962-4	128
P9962-5	128
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P-10115	116
P10115A	125
P10155	109
P10156	116
P10156A	125
P10619-1	130
P-10954-1	130
P-10954-2	130
P-11748-1	128
P-11810-1	181
P-11901-1	130
P-11901-3	181
P-11903-1	128
P12407-1	234
P15153	123A
P21309	112
P21316	116
P21317	116
P21344	139A
P21443	116
P31898	121
P-31898	121
P38103/507-10	145A
P50200-11	130
P64447	123A
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P75534-1	121
P75534-2	104
P75534-3	104
P75534-4	121
P75534-5	121
P633024	128
P633024C(Sylvania)	128
P633024G	128
P633567	123A
P6450026	128
P6460006	102
P6460037	102
P6480001	121
PA05	5340
PA-069	116
PA069	116
PA070	116
PA071	116
PA-3	116
PA3	116
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PA20	5340
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PA80	5344
PA100	5344
PA200	116
PA230	847
PA-230	847
PA234	717
PA-238	847
PA238	847
PA239	721
PA243	717
PA277	804
PA300	116
PA301	1025
PA305	116
PA305A	116
PA306	804
PA310	116
PA310A	116
PA315	116
PA315A	116
PA-320	116
PA320	116
PA-320A	116
PA320A	116
PA-320B	116
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PA325B	116
PA330	116
PA330A	116
PA330B	116
PA340	116
PA340A	116
PA340B	116
PA350	116
PA350A	116
PA360	116
PA360A	116
PA380	125
PA-400	1090
PA400	116
PA400(IC)	1090
PA401	1090
PA-500	1090
PA500	1090
PA500X	1090
PA501	1148
PA501X	1090
PA600	116
PA601BB	123AP
PA1000	159
PA1001	159
PA1001A	159
PA3005	1606♦
PA6013	123AP
PA6013A	123AP
PA7000/591	909D
PA7001/0001	123A
PA7001/501	909
PA7001/502	909D
PA7001/503	941
PA7001/505	923
PA7001/518	7430
PA7001/519	7420
PA7001/520	7410
PA7001/521	7400
PA7001/522	7440
PA7001/523	7451
PA7001/524	7453
PA7001/525	7402
PA7001/526	7401
PA7001/527	7404
PA7001/528	7405
PA7001/529	7474
PA7001/530	7470
PA7001/531	7473
PA7001/532	7472
PA7001/533	7460
PA7001/539	7454
PA7001/591	909D
PA7001/593	74145
PA7615	116
PA7703	703
PA7703E	703
PA7703X	703
PA7709	909
PA7709C	909
PA7710-31	910
PA7710-39	910
PA7711-31	911
PA7741	941
PA7741C	941
PA8260	199
PA8261	145A
PA8543	199
PA8645	116
PA8900	186
PA9004	199
PA9005	199
PA9006	123A
PA9154	160
PA9155	160
PA9156	102A
PA9157	102A
PA9158	158
PA9160	116
PA9267	137A
PA9483	192
PA10556	116
PA-10556	108
PA10880	160
PA10887	116
PA-10889-1	121
PA10889-1	158
PA10889-2	158
PA-10889-2	121
PA10890	104
PA-10890	121
PA10890-1	121
PA-10890-1	121
PADT20	160
PADT21	160
PADT22	160
PADT23	160
PADT24	160
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PADT27	160
PADT28	160
PADT30	160
PADT31	160
PADT35	160
PADT40	160
PADT50	104
PADT51	160
PAR-12	121
PAR12	121
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PB10	5322
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PB60	5326
PB80	5327
PB100	5328
PB110	121
PB214	8214
PB6004	159
PB6013	159
PB6013A	159
PB6013B	159
PB6014	159
PB6014A	159
PBC107	199
PBC107A	199
PBC107B	199
PBC108	199
PBC108A	199
PBC108B	199
PBC108C	199
PBC109	199
PBC109B	199
PBC109C	199
PBC182	108
PBC183	289A
PBC184	192
PBD352301	2011
PBD352302	2012
PBD352303	2013
PBE3014-1	158
PBE3014-2	158
PBE3020-1	158
PBE3020-2	103A
PBE3162	158
PBE3162-1	102A
PBE3162-2	102A
PBE3322	109
PBM74LS30P	74LS30
PBM74LS74AP	74LS74A
PBM74LS86P	74LS86
PBM74LS393P	74LS393
PBM6004	383
PBT45-04	5710
PBT45-06	5710
PBT45-08	5710
PBT45-10	5710
PBT45-12	5710
PBT55-04	5720
PBT55-06	5720
PBT55-08	5720
PBT55-10	5720
PBT55-12	5720
PBX103	102
PBX113	102
PBZ0	5322
PC0600A	610
PC0601A	611
PC0603A	613
PC0604A	614
PC0610A	610
PC0611A	611
PC0620A	610
PC78M18	958
PC107	610
PC107(TRANSISTOR)	159
PC107A	610
PC107A(TRANSISTOR)	159
PC108	159
PC108A	159
PC127	614
PC127A	614
PC128	614
PC128A	614
PC132	611
PC132A	611
PC133	613
PC133A	613
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PC634	614
PC635	614
PC713	3041
PC713U	3041♦
PC-713U	3041♦
PC817	3081♦
PC817C	3081♦
PC1026C	1226
PC1066T	158
PC1067T	158
PC1068T	158
PC1400A	610

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
PC1401A	611
PC1403A	613
PC1404A	614
PC1410A	610
PC1411A	611
PC1414A	614
PC1879-004	140A
PC2010LC-1	5417
PC2010LC-2	5418
PC2010LC-3	5419
PC2600A	610
PC2601A	611
PC2603A	613
PC2604A	614
PC2610A	610
PC2611A	611
PC2613A	613
PC2614A	614
PC3002	158
PC3003	158
PC3004	121
PC3005	158
PC3006	158
PC3007	158
PC3009	158
PC3010	131
PC3490N	2029
PC3492N	2030
PC3494N	2031
PC4004	116
PC4900-1	128
PC7327C	9914
PC7805H	960
PC-20003	1003
PC-20004	1021
PC-20005	1027
PC-20006	1024
PC-20007	1006
PC-20008	720
PC-20012	1030§
PC-20015	812
PC-20018	720
PC20018	720
PC-20021	722
PC-20023	1010
PC-20024	722
PC-20030	722
PC-20045	801
PC-20051	1082
PC-20066	743
PC-20069	1060
PC-20070	1226
PC-20071	1135
PC-20087	2060
PC-20108	2060
PC-20110	1465
PC-20143	2060
PC-20177	1248
PCMB74LS00M	74LS00
PCMB74LS02M	74LS02
PCMB74LS04M	74LS04
PCMB74LS05M	74LS05
PCMB74LS10M	74LS10
PCMB74LS32M	74LS32
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PD20	167
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PD25F-40	5711
PD25F-60	5711
PD25F-80	5711
PD40	168
PD40F-20	5711
PD40F-40	5711
PD40F-60	5711
PD40F-80	5711
PD55F-20	5711
PD55F-40	5711
PD55F-60	5711
PD55F-80	5711
PD60	169
PD70F-20	5721
PD70F-40	5721
PD70F-60	5721
PD70F-80	5721
PD80	170
PD100	170
PD101	116
PD102	116
PD103	116
PD104	116
PD105	116
PD106	116
PD107	116
PD107A	116
PD108	116
PD110	116
PD111	116
PD114	125
PD115	125
PD116	125
PD122	116
PD125	116
PD129	116
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PD154	116
PD155	116
PD198	229
PD201	108
PD201B	108
PD201C	108
PD201D	108
PD202B	123AP
PD202C	123AP
PD202D	123AP
PD910	116
PD913	125
PD914	125
PD915	125
PD916	125
PD1001	123AP
PD1011	166
PD1020	169
PD-1567	169
PD4066BC	4066B
PD6000	5002A
PD6000A	5002A
PD6002	5005A
PD6002A	134A
PD6003	134A
PD6003A	134A
PD6004	134A
PD6004A	5067A
PD6005A	5068A
PD6006	135A
PD6006A	5069A
PD6007	135A
PD6007A	135A
PD6008	136A
PD6008A	136A
PD6009	137A
PD6009A	137A
PD6010	5014A
PD6010A	5071A
PD6011A	138A
PD6012	5016A
PD6012A	5016A
PD6013	139A
PD6013A	139A
PD6014	140A
PD6014A	140A
PD6015A	5074A
PD6016	142A
PD6016A	142A
PD6017A	143A
PD6018	145A
PD-6018	145A
PD6018A	145A
PD-6018A	145A
PD6019A	5075A
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PD6020A	5027A
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PD6044	134A
PD6045	5067A
PD6046	5068A
PD6047	5069A
PD6048	135A
PD6049	136A
PD6049C	136A
PD6050	137A
PD6051	5071A
PD6052	138A
PD6053	5072A
PD6054	139A
PD6055	140A
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PD6057	142A
PD6058	143A
PD6059	145A
PD-6059	145A
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PD6061	5077A
PD7010	154
PD9093-59	9093
PD9094-59	9094
PD9097-59	9097
PD9099-59	9099
PD9930-59	9930
PD9932-59	9932
PD9933-59	9933
PD9935-59	9935
PD9936-59	9936
PD9937-59	9937
PD9944-59	9944
PD9945-59	9945
PD9946-59	9946
PD9948-59	9948
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PS2007B	3087
PS2010	3041
PS2010K	3041
PS2010L	3041
PS2010M	3041
PS2021	3041◆
PS2207	116
PS2208	116
PS2209	116
PS2247	116
PS2249	116
PS2346	156
PS2347	156
PS2411	116
PS2412	116
PS2413	116
PS2415	116
PS2416	125
PS2417	125
PS3001	3091
PS3002	3091
PS3534	5001A
PS3534A	5001A
PS4003	3101
PS4008	3100
PS4559	116
PS4560	116
PS4725	116
PS5300	116
PS5301	116
PS5302	116
PS6010-1	199
PS6325	150A
PS6465	5002A
PS6468	135A
PS8900	5065A
PS8901	5066A
PS8902	134A
PS8903	5067A
PS8904	5068A
PS8905	5069A
PS8906	5116A
PS8907	136A
PS8908	137A
PS8909	5071A
PS8910	138A
PS8911	5072A
PS8912	139A
PS8913	140A
PS8914	5074A
PS8915	142A
PS8916	143A
PS-8917	145A
PS8917	145A
PS8918	5075A
PS8919	5077A
PS10016B	5071A
PS10017B	138A
PS10018B	5072A
PS10019B	139A
PS10020B	140A
PS10021B	5074A
PS10022B	142A
PS10023B	143A
PS10024B	145A
PS10025B	5075A
PS10026B	5077A
PS10060	5071A
PS10061	138A
PS10062	5072A
PS10063	139A
PS10064	140A
PS10065	5074A
PS10066	142A
PS10067	143A
PS10068	145A
PS-10068	145A
PS10069	5075A
PS10070	5077A
PS11327	94
PS30802	519
PS209800	123A
PSD754	123AP
PSS953	177
PSV111-08	611
PSV111-14	611
PSV111-16	611
PSV114-06	613
PSV114-14	613
PSV123-08	611
PSV123-14	611
PSV123-16	611
PSV126-06	613
PSV126-14	613
PSZ1D10	B40240◆
PSZ1D15	B40240◆
PSZ1D25	B40240◆
PSZ2D10	B40240◆
PSZ2D15	B40240◆
PSZ2D25	B40240◆
PT06	121
PT010	5688
PT015	5688
PT025	5688
PT-029	186A
PT030	5688
PT040	5688
PT0139	158
PT0-139	102A
PT2A	160
PT2S	160
PT-3	116
PT3	116
PT-3A	121
PT3A	121
PT4	155
PT4-2268-01B	519
PT4-2268-011	519
PT4-2287-01	177
PT4-2311-011	519
PT4-7158	123A
PT4-7158-01A	123A
PT4-7158-02A	123A
PT4-7158-012	123A
PT4-7158-013	123A
PT4-7158-021	123A
PT4-7158-022	123A
PT4-7158-023	123A
PT5	116
PT-5B	116
PT5B	116
PT6	121
PT-6	121
PT6d22-1	166
PT12	121
PT-12	121
PT-25	121
PT25	121
PT30	121
P-T-30	121
PT32	131
PT-40	121
PT40	121
PT50	121
PT-50	121
PT110	5688
PT115	5688
PT125	5688
PT130	5688
PT140	5688
PT150	104
PT-150	121
PT-155	121
PT155	121
PT176	121
PT-176	121
PT201	105
PT210	5688
PT215	5688
PT225	5688
PT230	5688
PT234	121
PT-234	121
PT235	121
PT-235	121
PT-235A	121
PT235A	104
PT236	104
PT-236	121
PT236A	104
PT-236A	121
PT236B	121
PT-236B	121
PT236C	121
PT240	5688
PT242	121
PT-242	121
PT250	105
PT255	121
PT-255	121
PT256	121
PT-256	121
PT285	121
PT-285	121
PT-285A	121
PT285A	121
PT-301	121
PT301	121
PT-301A	121
PT301A	121
PT307	121
PT-307	121
PT-307A	121
PT307A	121
PT310	5689
PT315	5689
PT325	5689
PT330	5689
PT340	5689
PT366B	121
PT410	5689
PT415	5689
PT425	5689
PT430	5689
PT440	5689
PT-501	105
PT501	121
PT505	116
PT510	116
PT-510	116
PT510(TRIAC)	5690
PT515	5690
PT515(TRANSISTOR)	105
PT515(RECT)	116
PT515(Semitron)	213
PT520	116
PT525	116
PT525(TRIAC)	5690
PT530	116
PT-530	116
PT530(TRIAC)	5690
PT530A	102A
PT-530A	100
PT540	116
PT540(TRIAC)	5690
PT-550	116
PT550	116
PT554	104
PT-554	121
PT555	121
PT-555	121
PT-560	116
PT560	116
PT580	125
PT600	186
PT601	186
PT610	5690
PT612	128
PT615	5690
PT625	5690
PT627	123A
PT630	5690
PT640	5690
PT665	152
PT703	123A
PT705	713
PT720	123A
PT850	128
PT850A	128
PT851	123A
PT855	160
PT856	160
PT857	195A
PT886	123A
PT887	123A
PT888	128
PT896	128
PT897	123A
PT898	123A
PT1537	195A
PT1544	128
PT1545	128
PT1558	123A
PT1559	123A
PT1610	123A
PT1835	123A
PT1836	123A
PT1837	123A
PT1941	130
PT2040A	195A
PT2523	171
PT2524	171
PT2525	171
PT2525A	198
PT2540	192
PT2620	186
PT2635	152
PT2640	186
PT2660	186
PT2677C	195A
PT2760	123A
PT2896	123A
PT3141	123A
PT3141A	123A
PT3141B	123A
PT3141C	195A
PT3151A	123A
PT3151B	123A
PT3151C	123A
PT3161A	346
PT3161B	346
PT3161C	348
PT3161D	349
PT3168E	350
PT3195A	357◆
PT3195C	359◆
PT3500	123A
PT3501	473
PT3502	128
PT3503	186
PT3538	76
PT3539A	77
PT3539B	77
PT3541D	76
PT3569	77
PT3569A	77
PT3570	76
PT3571	77
PT3571A	77
PT3571B	278
PT4150A	362
PT4150B	363
PT4160C	364
PT4184	77
PT4186	77
PT4531	362
PT4532	464
PT4534	364
PT4571	77
PT4571A	77
PT4573	76
PT4579	278
PT4586	77
PT4591	76
PT4592A	77
PT4598	77
PT4610	77
PT4611	76
PT4612	76
PT4617	76
PT-4620	316
PT4620	316
PT-4622	316
PT4622	316
PT4628	76
PT4629	76
PT4640	76
PT4690	186
PT4800	123A
PT4816	107
PT4830	107
PT5589	347
PT5590	349
PT5693	152
PT5701	473
PT5741	318
PT5742	317
PT6022/1	169
PT6082	351
PT6084	320
PT6618	186
PT6669	186
PT6696	186
PT6941	328
PT6942	328
PT6994	328
PT6995	328
PT6996	327
PT7903	328
PT7904	328
PT7905	328
PT7906	328
PT7907	328
PT7908	328
PT7909	327
PT7910	327
PT8740A	472
PT8743	364
PT8769	350
PT8809	362
PT8810	363
PT8811	364
PT8837	350
PT8838	320
PT8851	337
PT8851(STUD)	338◆
PT8851(FLANGE)	338F◆
PT8851A	338◆
PT8852	338F◆
PT8852A	338◆
PT8853	339
PT8854	333
PT8854A	334
PT8863A	345
PT8864A	345
PT8865	334
PT8866	341
PT8873F	350F
PT8874F	320F
PT8876A	345
PT8877	341
PT9731	359
PT9732	357
PT9733	360
PT9776	333
PT9776(STUD)	334
PT9776(FLANGE)	333
PT9776A	334
PT9780	471
PT9784(FLANGE)	333
PT9784A(STUD)	334
PT9785	470
PT9797	335
PT9797A	336
PT9803(FLANGE)	333
PT9803(STUD)	334
PT9841	336
PT9841(FLANGE)	335
PT9841(STUD)	336
PT9870P	471
PT31961	195A
PT40063	519
PT72130	116
PT-72130-1	5804
PT-341529	563
PTC101	128
PTC101-RT	123A
PTC103	159
PTC104	124
PTC105	121
PTC106	105
PTC107	160
PTC109	102A
PTC110	184
PTC111	185
PTC112	175
PTC113	218
PTC114	104
PTC115	123A
PTC116	181
PTC117	154
PTC118	162
PTC119	130
PTC120	131
PTC121	123AP
PTC122	127
PTC123	324
PTC124	228A
PTC125	194
PTC126	161
PTC127	194
PTC129	163A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
PTC130	164
PTC131	159
PTC132	161
PTC136	123A
PTC151	312
PTC152	312
PTC153	172A
PTC170	287
PTC173-RT	181
PTC201	5804
PTC202	116
PTC203	125
PTC204	125
PTC205	125
PTC206	109
PTC207	109
PTC208	118
PTC209	119
PTC210	502
PTC211	503
PTC212	505
PTC213	505
PTC214	135A
PTC215	135A
PTC401	168
PTC402	169
PTC404	120
PTC406	178MP
PTC407	178MP
PTC501	134A
PTC502	136A
PTC503	137A
PTC504	138A
PTC505	139A
PTC506	140A
PTC507	142A
PTC508	143A
PTC509	145A
PTC510	5077A
PTC511	144A
PTC512	147A
PTC513	5090A
PTC514	149A
PTC515	150A
PTC516	151A
PTC517	5086A
PTC518	5088A
PTC601	536A
PTC602	501B
PTC603	500A
PTC604	358
PTC605	358
PTC606	358A
PTC608	533
PTC701	708
PTC703	709
PTC-703	709
PTC705	713
PTC707	707
PTC708	705A
PTC709	718
PTC711	719
PTC713	720
PTC-715	714
PTC715	714
PTC717	721
PTC719	715
PTC721	722
PTC723	723
PTC726	712
PTC728	790
PTC729	743
PTC732	804
PTC733	791
PTC735	801
PTC736	736
PTC737	737§
PTC740	740A
PTC741	738
PTC742	804
PTC746H	749
PTC754	1004
PTC780	1155
PTC2677C	195A
PTC6060	98
PTC6061	98
PTC7000	99
PTC7001	99
PTC7002	99
PTC7003	99
PTG132	161
PTO-6	121
PTO139	102A
PU01	188
PU01A	188
PU06	188
PU6C22	116
PU51	189
PU51A	189
PU56	189
PV8	116
PV-8	116
PV1043	519
PXB-103	102A
PXB103	102
PXB-113	102A
PXB113	102
PXC-101	102A
PXC101	102
PXC101A	102
PXC101AB	102
PXC-101AB	102A
PY-5	116
PZ10A	5186A
PZ18A	5194A
PZ22A	5197A
PZT18	5194A
PZT22	5197A
PZT27	5200A
PZT33	5203A
PZW	5070A
Q-00169	312
Q-00169A	312
Q-00169B	312
Q-00169C	312
Q-00184R	312
Q-00269	123A
Q-00269A	123A
Q-00269B	123A
Q-00269C	123A
Q-00284R	229
Q-00284R-3	108
Q-00369	123A
Q-00369A	123A
Q-00369B	123A
Q-00369C	123A
Q-00384R	233
Q-00384R-3	108
Q-00469	199
Q-00469A	199
Q-00469B	199
Q-00469C	199
Q-00484R	123A
Q-00484R-1	108
Q-00569	123A
Q-00569A	123A
Q-00569B	123A
Q-00569C	199
Q-00584R	233
Q-00584R-3	108
Q-00669	123A
Q-00669A	123A
Q-00669B	123A
Q-00669C	123A
Q-00684R	123A
Q-00769	175
Q-00769A	175
Q-00769B	175
Q-00769C	175
Q-00784R	289A
Q-00869	128
Q-00869A	128
Q-00869B	128
Q-00869C	195A
Q-00969	128
Q-00969A	128
Q-00969B	128
Q-00969C	195A
Q-00984R	159
Q-0115C	123A
Q-0-172	128
Q-0172	128
Q0415	159
Q0-419	159
Q-01069	195A
Q-01069A	195A
Q-01069B	195A
Q-01069C	237
Q-01084R	131
Q-01115C	107
Q-01169	128
Q-01169A	128
Q-01169B	128
Q-01169C	128
Q-01184R	195A
Q-01269	175
Q-01269B	175
Q-01269C	175
Q-01284R	195A
Q-01369C	1104
Q-01384R	237
Q-01484R	724
Q-02115C	123A
Q-03115C	123A
Q-04115C	123A
Q-05115C	123A
Q-06115C	123A
Q-07115C	123A
Q-08115C	199
Q-09115C	199
Q0V60526	102A
Q0V60527	103A
Q0V60528	102A
Q0V60529	123A
Q0V60530	123A
Q0V60537	103A
Q0V60538	123A
Q1	102A
Q-1	102
Q1-7C	102A
Q1/6515	107
Q-1A	100
Q-1B	116
Q1H	116
Q-1N914	519
Q-1N4001	961
Q-2	101
Q2-7C	102A
Q2/6515	107
Q2N406	102A
Q2N1526	126A
Q2N2428	102A
Q2N2613	102A
Q2N4105	103A
Q2N4106	158
Q2N4107	103A + 158(CP)
Q-2N5225	123AP
Q-2N5226	159
Q2T2222	2321
Q2T2905	2322
Q2T3725	2321
Q2Z-10A	140A
Q-3	101
Q3/2	116
Q3/6515	123A
Q-4	102
Q4	102A
Q4/6515	107
Q4B	116
Q-5	101
Q-6	102A
Q6	158
Q6/2	116
Q6/6515	107
Q-7	102A
Q7	158
Q7/6515	102A
Q8	158
Q-8	102A
Q8/2	116
Q8/6515	102A
Q-9	101
Q9/6515	126A
Q11/6515	102A
Q12/6515	102A
Q16	5637
Q-16	102A
Q19C	5987◆
Q19D	5989◆
Q19E	5991◆
Q19G	5995◆
Q19J	5999◆
Q19L	6003◆
Q20D	5988◆
Q20E	5590◆
Q20G	5994◆
Q20J	5998◆
Q20L	6002◆
Q32	116
Q-35	123A
Q-36	159
Q-36A	159
Q49	109
Q50	109
Q51	109
Q52	116
Q53	116
Q54	116
Q55	116
Q56	116
Q57	116
Q58	116
Q59	116
Q60	116
Q62	116
Q82	116
Q150A(PRIDE)	317
Q200E3	5655
Q200E4	5655
Q205(Dynaco)	722
Q233CV	5036A
Q301	107
Q400E3	5656
Q400E4	5656
Q514Z	165
Q2001L3	5638
Q2001L4	5638
Q2001LT	5646
Q2001M	5641
Q2001M3	5651
Q2001M4	5651
Q2001MS2	5642
Q2001P	5641
Q2003L3	5638
Q2003L4	5638
Q2003LT	5646
Q2004F31	5629
Q2004F41	5629
Q2004L3	5638
Q2004L4	5645
Q2004LT	5646
Q2006A	5649
Q2006H	5673
Q2006L4	5645
Q2006LT	5646
Q2006R4	5633◆
Q2008A	5649
Q2008H	5673
Q2008L4	5645
Q2008L4A	5645
Q2008L5	5645
Q2008LT	5646
Q2008R4	5633◆
Q2010A	5649
Q2010H	5673
Q2010L4	5645
Q2010L5	5645
Q2010LT	5646
Q2012L5	56019
Q2012R5	56004
Q2015A	5649
Q2015H	5673
Q2015L5	56019
Q2015R5	56004
Q2025C	5679◆
Q2025D	56022
Q2025G	5688
Q2025H	5693
Q2025L5	56019
Q2025L5R	56019
Q2025P	5679
Q2025R5	56015
Q2025Z6	5672
Q2040C	5679◆
Q2040D	56022
Q2040D5	56022
Q2040P	5679
Q3004LT	5646
Q3005LT	5646
Q4001L3	5638
Q4001L4	5638
Q4001LT	5646
Q4001M	5642
Q4001M3	5652
Q4003L3	5638
Q4003L4	5638
Q4004F31	5629
Q4004F41	5629
Q4004L3	5638
Q4004L4	5645
Q4004LT	5646
Q4006A	5649
Q4006H	5675
Q4006L4	5645
Q4006LT	5646
Q4006R4	5635◆
Q4008A	5649
Q4008H	5675
Q4008L4	5645
Q4008L4A	5645
Q4008L5	5645
Q4008LT	5646
Q4008R4	5635◆
Q4010A	5649
Q4010H	5675
Q4010L4	5645
Q4010L5	5645
Q4010LT	5646
Q4012L5	56020
Q4012R5	56006
Q4015A	5649
Q4015H	5675
Q4015L5	56020
Q4015R5	56006
Q4025C	5679◆
Q4025D	56024
Q4025G	5689
Q4025H	5695
Q4025L5	56020
Q4025L5R	56020
Q4025P	5679
Q4025R5	56016
Q4025Z6	5672
Q4032BR	4032B
Q4033BR	4033B
Q4038BR	4038B
Q4040C	5679◆
Q4040D	56024
Q4040D5	56024
Q4040P	5679
Q4041UBR	4041
Q4047BR	4047B
Q4048BR	4048B
Q4070BR	4070B
Q4089BR	4089B
Q4436BR	4536B
Q4502BR	4502B
Q4508BR	4508B
Q4528BR	4528B
Q4531BR	4531B
Q4543BR	4536B
Q4547BR	4547B
Q4566BR	4566B
Q4583BR	4583B
Q4585BR	4585B
Q5004L4	5645
Q5004LT	5646
Q5006A	5649
Q5006H	5677
Q5006L4	5645
Q5006LT	5646
Q5008A	5649
Q5008H	5677
Q5008L4	5645
Q5008L4A	5645
Q5008L5	5645
Q5008LT	5646
Q5010A	5649
Q5010H	5677
Q5010L4	5645
Q5010L5	5645
Q5010LT	5646
Q5012L5	56008#
Q5015A	5649
Q5015L5	56008#
Q5015R5	56008
Q5025C	5679◆
Q5025D	56026
Q5025G	5690
Q5025H	5697
Q5025L5	56017#
Q5025P	5679
Q5025R5	56017
Q5025Z6	5672
Q5030	127
Q5039	103A
Q5040C	5679◆
Q5040D	56026
Q5040D5	56026
Q5040P	5679
Q5044	160
Q5050	103A
Q5051A	5649
Q5053	85
Q5053(Sanyo)	85
Q5053A	199
Q5053D	199
Q5053E	199
Q5053F	199
Q5053G	199
Q5053NP	199
Q5053Y	199
Q5075CLY	124
Q5075DLY	124
Q5075DXY	124
Q5075ELY	124
Q5075EXY	124
Q5075FXY	124
Q5075ZMY	124
Q5077	290A
Q5077(Sanyo)	290A
Q5077A(Sanyo)	290A
Q5077E	290A
Q5077EA	290A
Q5077F	290A
Q5078Z	199
Q5083C	162
Q5087Z	159
Q5100A	129
Q5102	234
Q5102A	290A
Q5102A(Sanyo)	290A
Q5102P	234
Q5102Q	234
Q5102QA	290A
Q5102R	234
Q5102S	234
Q5102Y	234
Q5104Z	124
Q5111	238
Q5111K	238
Q5111ZK	238
Q5113ZLM	124
Q5113ZMM	124
Q5113ZMY	124
Q5116C	290A
Q5116CA	290A
Q5119	162
Q5119D	162
Q5119E	162
Q5119F	162
Q5120	162
Q5120P	162
Q5120Q	162
Q5120R	162
Q5121	199
Q5121O	199
Q5121Q	199
Q5121R	199
Q5123E	123A
Q5123F	123A
Q5124	297
Q5134Z	175
Q5135	159
Q5135-0	159
Q5135-0Y	159
Q5135QY	159
Q5135-Y	159
Q5136F	198
Q5137BA	291
Q5137CA	291
Q5138	198
Q5138K	198
Q5138L	198
Q5138M	198
Q5140	165
Q5140Q	165
Q5140R	165
Q5140XP	165
Q5140Z	165
Q5140ZX-O	165
Q5140ZXP	165
Q5140ZXQ	165
Q5140ZXR	165
Q5153	199
Q5160	198
Q5160-O	198
Q5160Q	198
Q5160R	198
Q5160Y	198
Q5161Z	238
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Q5163E	375
Q5163F	375
Q5175	198
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Q5175D	198
Q5175DXV	376
Q5175E	198
Q5175TM	198
Q5175ZXV	198
Q5175ZXY	198
Q5176D	198
Q5178	198
Q5180	199
Q5183	85
Q5183(Sanyo)	85
Q5183C	289A
Q5183P	199
Q5183Q	199
Q5183R	199
Q5196(Sanyo)	294
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Q5202	198
Q5205	290A
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Q6008R5	5637
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Q6010L4	5645
Q6010L5	5645
Q6010LT	5646
Q6012L5	56008#
Q6012R5	56008
Q6015A	5649
Q6015L5	56008#
Q6015R5	56008
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Q6025G	5690
Q6025H	5697
Q6025L5	56017#
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Q6025R5	56017
Q6025Z6	5672
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Q6040D	56026
Q6040D5	56026
Q6040P	5679
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Q6526Z(Sanyo)	399
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Q6543A	399
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Q6562(Sanyo)	290A
Q6562G	290A
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Q6565(Sanyo)	85
Q6597(Sanyo)	89
Q6597Z	89
Q6609(Sanyo)	376
Q6609Z(Sanyo)	376
Q6640Z	52
Q6649	373
Q6649Z	373
Q6650	374
Q6650Z	374
Q6780(Sanyo)	319P
Q6780Z(Sanyo)	319P
Q6783Z	157
Q6784	157
Q6785(Sanyo)	89
Q6793(Sanyo)	382
Q6803	399
Q6803(Sanyo)	399
Q6805	157
Q6805R	157
Q6829(Sanyo)	2308
Q6831(Sanyo)	53
Q7219(Sanyo)	778A
Q7227(Sanyo)	1538
Q7227R	1538
Q7256	1658
Q7256(Sanyo)	1658
Q7293	1548
Q7296	1548
Q7327A(Sanyo)	4053B
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Q7368(Sanyo)	1746
Q7393	4013B
Q7402(Sanyo)	74LS86
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Q7406(Sanyo)	4052B
Q7448(Sanyo)	4053B
Q7478A(Sanyo)	4066B
Q7652(Sanyo)	4066B
Q7653A(Sanyo)	4066B
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Q7682(Sanyo)	1576
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Q8015R5	56010
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Q-12115C	152
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Q-14115C	123A
Q-15115C	123A
Q-16115C	123A
Q-17115C	299
Q-18115C	282§
Q-20115C	116
Q-21115C	177
Q-22115C	109
Q-23115C	519
Q-24115C	177
Q-25115C	139A
Q-26115C	116
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Q331034	186A
Q331614	229
Q331629	235
Q610513	222
QA01-07RE	5071A
QA01-08R	5072A
QA01-082	5072A
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QA01-25RA	5081A
QA01-115E	5074A
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QA1-11M	5074A
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QA8	128
QA-10	128
QA-11	129
QA11	124
QA-12	123A
QA-13	123A
QA-14	123A
QA-15	123A
QA-16	123A
QA-17	129
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QA-19	123A
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QA-21A	159
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QA112RN-2	5021A
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QA121R2	5030A
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QA206M	5012A
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QA208G	5016A
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QA209M	5018A
QA210D	5019T1
QA211B	5020A
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QA212B	5021T1
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QA220AB	5029A
QA230B	5035A
QA230C	5035A
QA233C	5037A
QA235C	5037A
QA235G	5037A
QA703E	703
QA1063	5013A
QA2206CD	5012A
QB01-15ZB	145A
QB01-18	5077A
QB106P	5070A
QB106PV	5070A
QB107D	5071A
QB107S	5071A
QB107SV	5071A
QB110D	5074A
QB110DV	140A
QB111Z	5074A
QB112	142A
QB112E1	142A
QB115ZB	145A
QB115ZBV	145A
QB400428	9914
QC0031A	1656◆
QC0031A(Sanyo)	1656◆
QC0042(Sanyo)	966
QC0056(Sanyo)	74LS05
QC0065(Sanyo)	1741◆
QC0069(Sanyo)	928M
QC0081	4052B
QC0081(Sanyo)	4052B
QC0085(Sanyo)	1728
QC0093	1673
QC0093(Sanyo)	1673

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QC0234	4071B
QC0235	4071B
QC0239	4071B
QC0291	1677
QC0343	4013B
QC0380(Sanyo)	1744
QC-1	358
QD30	345
QD-331885XT	116
QD-AM205XE	135A
QD-ARD9ECAA	139A
QD-C0710XBE	123A
QD-CS2688DJ	614
QD-CTT310XQ	613
QDCTT310XQ	614
QD-CTT410KQ	612
QD-CTT410XQ	612
QDCTT410XQ	612
QD-G1N60PXT	109
QDG1N60XXT	109
QD-G1N60XXT	109
QD-G1S32XXT	109
QDG1S32XXT	109
QD-G1S188XZ	109
QD-S1S953XA	156
QD-SGP25GAG	156
QDSGP25GAG	156
QDSGP25GXG	156
QD-SGP25GXG	116
QD-SMA150XN	177
QD-SN4448XZ	519
QD-SN5401Z	156
QDSRA1ZXXD	552
QD-SS1B85XT	116
QD-SS155XT	177
QD-SS188XT	116
QDSS1555X7	177
QD-SS1555XT	177
QDSS1555XT	177
QD-SS1885XT	116
QD-SS1885XY	116
QD-SSA3AMBE	156
QD-SSR1KX4P	116
QD-SSR3AMBE	156
QDSSR3AMBE	125
QD-SSS53XXA	177
QD-SV06CSSB	116
QD-SV06CXX6	116
QD-SV06CXXB	116
QD-SVD6CSSB	116
QD-SVO6CXXB	506
QD-Z5R6EBAA	5011A
QD-ZBZ162XJ	5075A
QD-ZM205XE	135A
QD-ZMZ205KE	135A
QDZMZ205XE	135A
QD-ZMZ205XE	135A
QD-ZMZ305KE	135A
QD-ZMZ306CE	5070A
QDZMZ310XE	5096A
QD-ZMZ310XE	614
QD-ZMZ408CE	5072A
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QD-ZRD6EXA	5013A
QD-ZRD8ECAA	5017A
QD-ZRD9EXA	139A
QD-ZRD9EXAA	139A
QD-ZRD10EXA	5019A
QD-ZRD56EAA	136A
QD-ZRD56FAA	136A
QD-ZRDSEBAA	5017A
QD-ZUZ9BXXP	139A
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QF68AM	312
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QFK45B	222
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QN2613	102
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QOV60526	102A
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QOV60528	102A
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QOV60537	103A
QOV60538	102A
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QP-1A	179
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QP-8	130
QP-8(Plastic)	182
QP8-6623N	105
QP-10	179
QP-11	130
QP-12	130
QP-13	185
QP-14	184
QP-31	197
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QQ-004069AA	4069
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QQMA1197AB	1214
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QQ-MB7521AX	1166
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QQ-MBA521AX	1166
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QT-K0034XBE	459
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QTO100R(Sanyo)	85
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R02Z	125
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R06-1005	108
R06-1006	108
R06-1007	102A
R06-1008	102A
R06-1009	102A
R06-1010	102A
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R0253	5994
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R01206DF	5823
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R03506DF	6011
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R1B	116
R1K	116
R1N1102	722
R-1S188	109
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R2	119
R-2-02	116
R-2A	5944
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R2D	142A
R2E	145A
R-2SA222	160
R-2SB186	102A
R-2SB187	102A
R-2SB303	102A
R-2SB405	158
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R2SB492	102
R-2SB492	176
R-2SC535	107
R-2SC537	123A
R-2SC545	108
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R2SZ	116
R-3	120
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R3/2H	116
R-3A	5944
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R-4A	5804
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R5	125
R-5	5808
R-5B	5802
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R5C	125
R-5C	5802
R6	125
R6-0A	176
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R6HZ	5994
R8	125
R8/2H	125
R9A	116
R9G00042200	6116
R9G00113	6116
R9G00118	6116
R9G00122	6116
R9G00213	6116
R9G00218	6116
R9G00222	6116
R9G00413	6116
R9G00418	6116
R9G00422	6116
R9G00613	6116
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R9G00622	6116
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R9G00818	6118
R9G00822	6118
R9G0011800	6116
R9G0012200	6116
R9G0021300	6116
R9G0021800	6116
R9G0022200	6116
R9G0041300	6116
R9G0041800	6116
R9G0061300	6116
R9G0061800	6116
R9G0062200	6116
R9G0081300	6118
R9G0081800	6118
R9G0082200	6118
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R9G01018	6118
R9G01022	6118
R9G01213	6118
R9G01218	6118
R9G01222	6118
R9G0101300	6118
R9G0101800	6118
R9G0102200	6118
R9G0121800	6118
R9G0122200	6118
R10D1	116
R10DC	116
R12	101
R-12C	513
R14	101
R15	124
R-16	102A
R16	102A
R-23-1003	102A
R23-1003	102A
R23-1004	102A
R-23-1004	102A
R-24-1001	102A
R24-1001	102A
R-24-1002	102A
R24-1002	102A
R24-1003	102A
R24-1004	102A
R-33	101
R33	103A
R34	103A
R-34	101
R34-6016-58	123A
R35	102A
R36	176
R-36M	500A
R41	101
R43HZ	5990
R46	102
R-48M	536A
R52	102A
R-56	158
R56	102A
R60-1001	126A
R60-1002	160
R60-1003	160
R60-1004	102A
R60-1005	102A
R60-1006	102A
R60-1007	109
R61	103A
R-62	101
R62	103A
R63	103A
R-63	101
R-63HZ	5994
R-64	102A
R64	102A
R65	102A
R65AA07	6507
R-66	102A
R66	102A
R66-8504	116
R67	102A
R-67	102A
R79	103A
R80	103A
R83	102A
R-83	102A
R87	102A
R98	102A
R100-1	102A
R100-8	102A
R100-9	102A
R101-2	102A
R101-3	102A
R101-4	102A
R102-41	121
R104-5	126A
R104-6	126A
R104-7	126A
R104-8	126A
R117	101
R118	107
R119	100
R-119	100
R-120	102A
R120	102A
R122C	116
R123	128
R123-2	128
R123-3	128
R123-4	128
R123-5	128
R-125	101
R125	101
R135	101
R-135	101
R135-1	130
R-136	101
R136	101
R137	101
R-137	101
R142(Zenith)	177
R145B	169
R152	102A
R-152	102A
R-154B	116
R154B	166
R-163	100
R163	100
R164	102A
R-164	102A
R177	103A
R-186	100
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R202	101
R-202	101
R203	101
R-203	101
R204B	166
R210	156
R227	100
R-227	100
R-242	102A
R242	102A
R-244	100
R244	100
R-245	102A
R245	102A
R250	156
R250F	156
R255	102A
R258	100
R264-1	197
R265A	121
R289	102A
R290	102A
R-291	102A
R291	102A
R324	102A
R336	126A
R337	126A
R338	160
R339	160
R340	123A
R341	160
R350	156
R350F	156
R364	102A
R424	160
R-424	100
R424-1	160
R-425	100
R425	160
R428	102A
R488	100
R-488	100
R497	160
R499-01-C(Zenith)	123AP
R506	100
R-506	100
R515	160
R515A	160
R516	121
R516(T.I.)	160
R516A	160
R-530	102A
R530	102A
R537	102A
R-539	126A
R539	160
R558	160
R558(T.I.)	102A
R563	160
R563(T.I.)	102A
R564	160
R565	160
R579	160
R579(T.I.)	102A
R581	126A
R582	123A
R592	101
R-593	102A
R593	160
R593A	160
R608	102A
R-608A	102A
R608A	102A
R612-1	152
R621-1	152
R623-1	196
R632-1	152
R632-2	152
R640-1	196
R684	126A
R710XPT	6246
R711	6200
R711X	6206
R711XPT	6246
R712	6200

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
R712M	6200
R712X	6206
R712XM	6206
R712XPT	6246
R714	126A
R714(Rect)	6202
R714M	6202
R714X	6208
R714XM	6208
R714XPT	6246
R715	126A
R716	6204
R716M	6204
R716X	6210
R716XM	6210
R855-2	116
R868	102A
R895(Zenith)	123AP
R1000	156
R1001(HEP)	5400
R1002(HEP)	5401
R1003(HEP)	5402
R1004(HEP)	5404
R1005(HEP)	5404
R1019(Zenith)	159
R1035	116
R1106	109
R1107	109
R1109	109
R1117-1	124
R1202(HEP)	5515
R1205(HEP)	5515
R1218(HEP)	5414
R1220	5442
R1221	5444
R1222	5446
R1223	5448
R1241	5529
R1242	5529
R1243	5529
R1243(Motorola)	5483
R1244	5529
R1245	5529
R1246	5529
R1247	5529
R1273	102A
R1274	102A
R1300	5529
R1301	5529
R1302	5529
R1303	5529
R1304(HEP)	5504
R1305	5981
R1306	5529
R1307	5529
R1329	116
R-1348	142A
R1471	5547
R1472(HEP)	5542
R1473	5547
R1475	5547
R1530	103A
R1531	103A
R1532	103A
R1533	101
R-1533	101
R1534	103A
R1537	103A
R1538	103A
R1539	160
R1540	102A
R1541	102A
R1542	102A
R1543	102A
R1544	102A
R1545	103A
R1546	102A
R1547	103A
R1548	102A
R1549	103A
R1550	160
R1553	103A
R1554	160
R1555	102A
R1667	109
R1711	5601
R1712	5602
R1713	5603
R1715	5605
R1721(HEP)	5622
R1722(HEP)	5623
R1723(HEP)	5624
R1725(HEP)	5626
R1750	5675
R1751	5675
R1752	5675
R1781	5685
R1782	5685
R1783	5685
R1785	5685
R1889	109
R-2001	127
R2001	127
R2002(HEP)	6407
R2003	127
R2005	5913
R2010	5917
R2015	5917
R2020	5917
R2021(HEP)	6404
R2025	5921
R2030	5921
R2035	5921
R2040	5921
R2045	5925
R2050	5925
R2060	5925
R2070	5929
R2080	5929
R2090	5933
R2096	175
R2105	5913
R2110	5917
R2115	5917
R2120	5917
R2125	5921
R2130	5929
R2135	5921
R2140	5921
R2145	5925
R2150	5925
R2159	116
R2160	5925
R2164	109
R2170	5929
R2180	5929
R2190	5933
R2252	116
R2270-60106	128
R2270-75116	181
R2270-75497	130
R2270-76963	129
R2270-77873D	128
R2270-78399	130
R2334	109
R2350	102A
R2351	102A
R2352	102A
R2353	102A
R2355	102A
R2356	103A
R2359	103A
R2360	103A
R2364	103A
R2365	103A
R2366	102A
R2367	102A
R2373	102A
R2374	103A
R2375	103A
R2432-1	710
R2434-1	706
R2434-1(RCA)	710
R2442	116
R2444	124
R2445-1(RCA)	711
R2446	121
R2446-1	121
R2460-1	117A
R2460-3	127
R-2460-3	127
R2460-4	117A
R2460-9	127
R2460-9(RCA)	127
R2473	108
R2474-2	154
R2476	108
R2477	108
R2482-1	102A
R2494-1	127
R2500(HEP)	610
R2500-1	127
R2501(HEP)	611
R2503(HEP)	614
R2516-1	712
R2516-1(RCA)	712
R2559-1	728
R2560-1	729
R2640	6061
R2675	102A
R2677	102A
R2683	160
R2684	160
R2685	160
R2686	160
R2687	160
R2688	160
R2689	102A
R2694	160
R2695	160
R2696	160
R2697	160
R2749	102A
R2749M	102A
R2964	127
R2982	130
R3012	525
R3057	113A
R3105	5981
R3110	5987
R3115	5987
R3120	5987
R3125	5991
R3130	5991
R3135	5991
R3140	5991
R3145	5995
R3150	5995
R3160	5995
R3170	5999
R3180	5999
R3190	6003
R3201(HEP)	522
R3203(HEP)	500A
R3205	5981
R3210	5987
R3215	5987
R3220	5987
R3225	5991
R3230	5991
R3235	5991
R3240	5991
R3245	5995
R3250	5995
R3260	5995
R3270	5999
R3273-P1	123A
R3273-P2	123A
R3275	102A
R3276	102A
R3277	160
R3278	160
R3279	160
R3280	5999
R3280(RCA)	102A
R3282	102A
R3283	123A
R3284	102A
R3285	116
R3286	102A
R3287	160
R3288	160
R3290	6003
R3293	103A
R3293(GE)	123A
R3299	102A
R3301	102A
R3309	160
R3314	113A
R3405	6021
R3410	6027
R3410-P1	519
R3415	6027
R3420	6027
R3425	6035
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R3435	6035
R3440	6035
R3445	6041
R3450	6041
R3460	6041
R3470	6043
R3480	6043
R3490	6045
R3502	704
R3502(RCA)	704
R3502-1	704
R3502-2	704
R3503	124
R3508	128
R3512-1	121
R3514-1	127
R3515	104
R3515(RCA)	121
R3520-1	124
R3528-1	785§
R3528-1(RCA)	785§
R-3530-1	108
R3533	113A
R-3552-1	128
R-3553-1	128
R-3555	128
R3555-3	128
R3573-1	103A
R3576-1	233
R3578-1	102A
R-3580-1	128
R3583-7	230
R3583-8	230
R3585-5	230
R3585-6	231
R3585-7	230
R3585-8	231
R3593	128
R3598-2	102A
R3605	6021
R3608	128
R3608-1	128
R3608-2	128
R3610	6055
R3611-1	152
R3613-3(RCA)	191
R3615	6055
R3619-3	5641
R3620	6055
R3625	6061
R3630	6061
R3635	6061
R3640	6061
R3645	6065
R3647	124
R3650	6065
R3651-1	222
R3660	6065
R3670	6069
R3676-1	233
R3677-1	780
R3677-1(RCA)	780
R3677-2	780
R3677-2(RCA)	780
R3677-3	780
R3677-3(RCA)	780
R3679	128
R3680	6069
R3681-1	152
R3690	6073
R3705	6075
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R4196	124
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R4240	6155
R4245	6157
R4250	6157
R4260	6157
R4270	6159
R4280	6159
R4290	6159
R4295-1	757
R4295-1(RCA)	757
R4295-2	757
R4295-2(RCA)	OBS-NLA
R4305	6155
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R4370	6159
R4380	6159
R4390	6159
R4409	113A
R4437-1	787
R4437-1(RCA)	787
R4437-2	787
R4437-2(RCA)	787
R4438-1	788
R4438-1(RCA)	788
R4438-2	788
R4438-2(RCA)	788
R4439-1	789
R4439-1(RCA)	789
R4439-2	789
R4439-2(RCA)	789
R4666	113A
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R5050	103A
R5051	102A
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R5054	103A
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R5098	102A
R5099	102A
R5100	102A
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R5102	160
R5103	160
R5158-1	797
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R5180	103A
R5181	102A
R5182	158
R5221AR	3025
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R5862	110MP
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R5971	116
R6048	116
R6109	110MP
R6110	116
R6171-11	515
R6171-12	515
R6171-19	515
R6171-20	515
R6422	116
R6502	6502
R6502-40	6502
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R6502P	6502
R6507C	6507
R6507P	6507
R6532	6532
R6532C	6532
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R6532P	6532
R6553	102A
R6922	102A
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R-7027	177
R7028	109
R7029	109
R7030	138A
R7048	102A
R-7051	109
R-7092	177
R-7093	137A
R-7094	138A
R-7096	117A
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R-7103	142A
R-7105	5074A
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R7165	123A
R7166	102A
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R7248	116
R7249	123A
R7253	121
R7271	116
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R7360	123A
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R7886	160
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R7893	109
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R8312	123A
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R8659	121
R8685	160
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R8688	102A
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R8914	123A
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R8916	123A
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R8966	123A
R8967	159
R8967A	159
R8968	123A
R8969	159
R8969A	159
R8970	109
R8971	102A
R8989	124
R9001(HEP)	178MP
R9002(HEP)	178MP
R9003(HEP)	178MP
R9004	123A
R9005	123A
R9006	123A
R9025	123A
R9071	123A
R9134(HEP)	109
R9135(HEP)	109
R9381	5079A
R9382	171
R9383	171
R9384	123A
R9385	123A
R9470	116
R9483	123A
R9531	160
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R9534	158
R9590	109
R9597	116
R9600	229
R9601	160
R9602	160
R9603	158
R9604	158
R10254P936	9936
R10254P945	9945
R10254P945B	9945
R10254P946	9946
R10255P946B	9946
R10256P962	9962
R10256P962B	9962
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R15003P1	128
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R21100	5933
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R24451	711
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R105330	358
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R109474	113A
R113321	116
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R-113392	116
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R4050370	6061
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♦, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
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RA1ZC	116
RA-1ZC	116
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RA2	125
RA-2(Zener)	140A
RA-2(RECT)	5070A
RA-2(Damper)	506
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RA-25	148A
RA-26	149A
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RB-151	5304◆
RB-152	5304◆
RB-154	5304◆
RB-156	5305◆
RB-156LFB	5305◆
RB-158	5306◆
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RB402	5314
RB-402U	5313
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RB406	5315
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RB601	5312◆
RB601C	5313◆
RB602	5313◆
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RC2	558
RC2V	525
RC-2V	525
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RC74LS22J	74LS22
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RC74LS26DB	74LS26
RC74LS26DC	74LS26
RC74LS26J	74LS26
RC74LS37	74LS37

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
RC74LS37DB	74LS37
RC74LS37DC	74LS37
RC74LS37J	74LS37
RC74LS40	74LS40
RC74LS40DB	74LS40
RC74LS40DC	74LS40
RC74LS40J	74LS40
RC74LS54	74LS54
RC74LS54DB	74LS54
RC74LS54DC	74LS54
RC74LS54J	74LS54
RC74LS55	74LS55
RC74LS55DB	74LS55
RC74LS55DC	74LS55
RC74LS55J	74LS55
RC74LS76	74LS76A
RC74LS76DB	74LS76A
RC74LS76DC	74LS76A
RC74LS76J	74LS76A
RC74LS90	74LS90
RC74LS90DB	74LS90
RC74LS90DC	74LS90
RC74LS90J	74LS90
RC74LS112	74LS112A
RC74LS112DB	74LS112A
RC74LS112DC	74LS112A
RC74LS112J	74LS112A
RC74LS125	74LS125A
RC74LS125DB	74LS125A
RC74LS125DC	74LS125A
RC74LS125J	74LS125A
RC74LS132	74LS132
RC74LS132DB	74LS132
RC74LS132DC	74LS132
RC74LS132J	74LS132
RC74LS139	74LS139
RC74LS139DB	74LS139
RC74LS139DC	74LS139
RC74LS139J	74LS139
RC74LS155	74LS155
RC74LS155DB	74LS155
RC74LS155DC	74LS155
RC74LS155J	74LS155
RC74LS160	74LS160A
RC74LS160DB	74LS160A
RC74LS160DC	74LS160A
RC74LS160J	74LS160A
RC74LS162	74LS162A
RC74LS162DB	74LS162A
RC74LS162DC	74LS162A
RC74LS162J	74LS162A
RC74LS170	74LS170
RC74LS170DB	74LS170
RC74LS170DC	74LS170
RC74LS170J	74LS170
RC74LS190	74LS190
RC74LS190DB	74LS190
RC74LS190DC	74LS190
RC74LS190J	74LS190
RC74LS192	74LS192
RC74LS192DB	74LS192
RC74LS192DC	74LS192
RC74LS192J	74LS192
RC74LS258	74LS258
RC74LS258DB	74LS258
RC74LS258DC	74LS258
RC74LS258J	74LS258
RC74LS279	74LS279
RC74LS279DB	74LS279
RC74LS279DC	74LS279
RC74LS279J	74LS279
RC74LS366	74LS366A
RC74LS366DB	74LS366A
RC74LS366DC	74LS366A
RC74LS366J	74LS366A
RC74LS368	74LS368
RC74LS368DB	74LS368
RC74LS368DC	74LS368
RC74LS670	74LS670
RC74LS670DB	74LS670
RC74LS670DC	74LS670
RC74LS670J	74LS670
RC100	558
RC185-6(RadShk)	125
RC555	955M
RC555DE	955M
RC555NB	955M
RC555T	955M
RC556DB	978
RC556DC	978
RC709DC	909D
RC709DP	909D
RC709T	909
RC710DC	910D
RC710DP	910D
RC710T	910
RC711DC	911D
RC711DP	911D
RC711T	911
RC723D	923D
RC723DP	923D
RC723T	923
RC741DE	941M
RC741DN	941D
RC741DP	941M
RC741N(AppleIIE)	941M
RC741NB	941M
RC741T	941
RC747DB	947D
RC747DC	947D
RC747DP	947D
RC747T	947
RC748ND	975
RC748T	1171
RC941H	941
RC1458DN	778A
RC1458ND	778A
RC1488	75188
RC1488D	75188
RC1488DB	75188
RC1488DC	75188
RC1489D	75189
RC1489DB	75189
RC1489DC	75189
RC-1700	130
RC1700	130
RC2270	128
RC3080	902
RC3301	992
RC3301DB	992
RC3302DB	834
RC3403	987
RC3403DB	987
RC4136	997
RC-4136D	997
RC4136DB	997
RC4136DC	997
RC4136DD	997
RC4136DP	997
RC4156DB	948
RC4156DC	948
RC4195	1941
RC4195DN	1941
RC4195NB	1941
RC4558	778A
RC4558DN	778A
RC4558JG	778A
RC4558NB	778A
RC4558P	778A
RC7805	960
RC7806	962
RC7812	966
RC7815	968
RC7824	972
RC9308R	8308
RCA1A01	128
RCA1A02	129
RCA1A03	282§
RCA1A05	129
RCA1A06	128
RCA1A07	128
RCA1A08	129
RCA1A09	396
RCA1A10	397
RCA1A11	396
RCA1A15	396
RCA1A16	397
RCA1A18	128
RCA1A19	129
RCA1B01	284
RCA1B04	283
RCA1B05	283
RCA1B06	280
RCA1B07	245
RCA1B08	246
RCA1B09	283
RCA1C03	291
RCA1C04	292
RCA1C05	196
RCA1C06	197
RCA1C10	196
RCA1C11	197
RCA1C12	291
RCA1C13	292
RCA1C14	196
RCA29	152
RCA29A	152
RCA29A/SDH	152
RCA29B	291
RCA29BSDH	291
RCA29C	291
RCA29CSDH	291
RCA29/SDH	152
RCA30	153
RCA30A	153
RCA30B	292
RCA30C	292
RCA106A	5454
RCA106B	5455
RCA106C	5457
RCA106D	5457
RCA106F	5453
RCA106Q	5452
RCA106Y	5452
RCA107A	5454
RCA107B	5455
RCA107C	5457
RCA107D	5457
RCA107F	5453
RCA107Q	5452
RCA107Y	5452
RCA120	261
RCA121	261
RCA122	261
RCA125	262
RCA126	262
RCA411	94
RCA549	221
RCA900	246
RCA901	246
RCA1000	243
RCA1001	243
RCA3054	196
RCA3071	715
RCA3086	912
RCA3517	102A
RCA3858	102A
RCA8020	5360
RCA8203	262
RCA8203A	264
RCA8203B	264
RCA8350	246
RCA8350A	246
RCA8350B	246
RCA8766B	97
RCA9212A	66
RCA9213A	67
RCA9213B	67
RCA16111	5635
RCA34098	126A
RCA34099	126A
RCA34100	126A
RCA34101	102A
RCA34106	102A
RCA35953	102A
RCA35954	102A
RCA40231	103A
RCA40245	161
RCA40246	161
RCA40250	152
RCA40395	102A
RCA40396N	103A
RCA40396P	102A
RCA44098	126A
RCC7022	120
RCC-7022	116
RCC7225	116(4)
RCP111A	171
RCP111B	171
RCP111C	171
RCP111D	171
RCP113A	171
RCP113B	171
RCP113C	171
RCP113D	171
RCP115	171
RCP115A	171
RCP115B	171
RCP117	171
RCP117B	171
RCP700A	50
RCP700B	50
RCP700C	50
RCP700D	50
RCP701A	49
RCP701B	49
RCP701C	49
RCP701D	49
RCP702A	50
RCP702B	50
RCP702C	50
RCP702D	50
RCP703A	49
RCP703B	49
RCP703C	49
RCP703D	49
RCP704	50
RCP704B	50
RCP705	49
RCP705B	49
RCP706	50
RCP706B	50
RCP707	49
RCP707B	49
RCS242	130
RCS880	397
RCS881	397
RCS882	397
RD082	5072A
RD-082	5072A
RD2	142A
RD-2.2E	5072A
RD2.7EB	5002A
RD2.7EB1	5002A
RD2.7EB2	5002A
RD2.7E-B2	5002A
RD2.7EB3	5002A
RD2.7EL1	5002A
RD2.7E-N1	5002A
RD2.7FB	5063A
RD-3	116
RD3R0EB	5004A
RD3R3EB	5005A
RD3R9EB2	5007A
RD3R9EC	5007A
RD3.0	5004A
RD3.0E	5004A
RD3.0EB	5004A
RD3.0EB2	5004A
RD3.0FB	5065A
RD3.3EB	5005A
RD3.3E-B	5005A
RD3.3FB	5066A
RD3.6E	5006A
RD3.6EB	5006A
RD3.6EC	5006A
RD3.6EL	5006A
RD3.6EL1	5006A
RD3.6E-L1	5006A
RD3.6EL1Z	5006A
RD3.6EN1	5006A
RD3.6E-N1	5006A
RD3.6E-N2	5006A
RD3.6FF	134A
RD3.9E	5007A
RD3.9EB	5007A
RD3.9EB2	5007A
RD3.9EC	5007A
RD3.9E-L2	5007A
RD3.9E-N2	5007A
RD3.9E-N3	5007A
RD3.9FB	5067A
RD4A	5007A
RD4AL	5006A
RD4AM	5007A
RD4AN	5008A
RD4R3EB	5008A
RD4R7	5009A
RD4R7EB	5009A
RD4R7EB2	5009A
RD4.3E	5008A
RD4.3E-8	5008A
RD4.3EB	5008A
RD4.3E-B1	5008A
RD4.3E-B2	5008A
RD4.3EC	5069A
RD4.7E	5009A
RD4.7EB	5009A
RD-4.7EB	5009A
RD4.7EB2	5009A
RD4.7EB3	5009A
RD4.7EB3Z	5009A
RD4.7EC	5009A
RD4.7E-N1	5009A
RD5-1E	135A
RD5-6C	136A
RD5-6E	136A
RD5-6EC	136A
RD-5A	135A
RD5AK	135A
RD5AL	5009A
RD5AM	5009A
RD5AN	5010A
RD5B	135A
RD5C	5177AK
RD5CL	5175AK
RD5CM	5176AK
RD5CN	5176AK
RD5D	5177AK
RD5DL	5175AK
RD5DM	5176AK
RD5DN	5176AK
RD5E	5011A
RD5E-C	5011A
RD5R1EB	5010A
RD5R1EB2	5010A
RD5R1EBB1	5010A
RD5R1JB	5010A
RD5R1-JB3	5010A
RD5R1JB3	5010A
RD5R6EB	5011A
RD5R6EC	5011A
RD5R6JB	5011A
RD5R6JB2	5011A
RD5R63B	5011A
RD5.1E	5010A
RD5.1EB	5010A
RD-5.1EB	5010A
RD5.1E-B	5010A
RD5.1EB(2)-T4	5010A
RD5.1EB(2)	5010A
RD5.1EB1	5010A
RD5.1E-B1	5010A
RD5.1E-B2	5010A
RD5.1EB-2	5010A
RD5.1EB2	5010A
RD5.1EB3	5010A
RD5.1E-B3	5010A
RD5.1E-C	135A
RD-5.1EC	135A
RD5.1EC	5010A
RD5.1EL1	5010T1
RD5.1E-N1	5010A
RD5.1-EN2	5010A
RD5.1E-N2	5010A
RD5.1E-N3	5010A
RD5.1ES	5011A
RD5.1FB	135A
RD5.1F-B3	135A
RD5.1JB	5010A
RD5.1JB1	5010A
RD5.1JB2	5010A
RD5.6	136A
RD5.68	135A
RD5.6E	5011A
RD5.6E2Z	5011A
RD5.6E-B	5011A
RD5.6EB	5011A
RD5.6EB(1)	5011A
RD5.6EB1	5011A
RD5.6EB2	5011A
RD5.6E-B2	5011A
RD5.6E-B2Z	5011A
RD5.6EB2Z	5011A
RD5.6E-B3	5011A
RD5.6EB3	5011A
RD5.6EB-T4	5011A
RD5.6E-BZ7	5011A
RD5.6EBZ7S	5011A
RD5.6E-BZ7S	5011A
RD5.6EB-Z75	5011A
RD5.6EC	5011A
RD5.6EK	136A
RD5.6E-L2	5011A
RD5.6EN1	5011A
RD5.6E-N1	5011A
RD5.6E-N2	5011A
RD5.6E-N3	5011A
RD5.6EN3	5011A
RD5.6EP	5011A
RD5.6ES	5011A
RD5.6F	136A
RD5.6FA	136A
RD5.6FB	136A
RD5.6JB	5011A
RD5.6JB2	5011A
RD6	136A
RD-6A	136A
RD6A	136A
RD6AL	5011A
RD6AM	136A
RD6AN	5011A
RD6C	5179AK
RD6CL	5178AK
RD6CM	5178AK
RD6CN	5179AK
RD6D	5179AK
RD6DL	5178AK
RD6DM	5178AK
RD6DN	5179AK
RD-6L	137A
RD-6M	136A
RD6R2B	137A
RD6R2B2	5013A
RD6R2E	5013A
RD6R2EB	5013A
RD6R2EB1	5013A
RD6R2EFA-1	5013A
RD6R2JB2	5013A
RD6R8EB	5014A
RD6.ZEB	137A
RD6.2E	5013A
RD6.2E(FA-1)	5013A
RD6.2E-B	5013A
RD6.2EB	5013A
RD6.2EB(3)	5023A
RD6.2EB(3)-T4	5013A
RD6.2EB1	5013A
RD6.2EB1Z	5013A
RD6.2EB2	5013A
RD6.2EB3	5013A
RD6.2E-B3	5013A
RD6.2EB-3	5013A
RD6.2EB23	5013A
RD6.2EBT	5013A
RD6.2EC	5013A
RD6.2EFA-1	5013A
RD6.2E-L2	5013A
RD6.2E-N1	5013A
RD6.2EN2	5013A
RD6.2ER	5013A
RD6.2EZ7S	5013A
RD6.2F	137A
RD6.2FA	137A
RD6.2FB	137A
RD6.2FB1	137A
RD6.2FB2	137A
RD6.2FB-3	137A
RD6.2JB	5013A
RD6.2JB2	5013A
RD6.2M	5013A
RD6.8A	5071A
RD6.8E	5014A
RD6.8E-B	5014A
RD-6.8EB	5071A
RD6.8EB	5014A
RD6.8EB(3)-T4	5014A
RD6.8EB2	5014A
RD6.8EB3	5014A
RD6.8EC	5014A
RD6.8EM	5014A
RD6.8EN1	5014A
RD6.8ENZ	5014A
RD6.8EV3	5014A
RD6.8EV3-Y	5014A
RD-6.8F	5071A
RD6.8F	5071A
RD6.8FA	5071A
RD6.8FB	5071A
RD-7A	138A
RD7A	5014A
RD7AM	5014A
RD7AN	5014A
RD7C	5182AK
RD7CL	5180AK
RD7CM	5181AK
RD7CN	5182AK
RD7D	5182AK
RD7DL	5180AK
RD7DM	5181AK
RD7DN	5182AK
RD7R5EB	5015A
RD7R5FB	138A
RD7.5E	5015A
RD7.5EB	5015A
RD7.5E-B	5015A
RD-7.5EB	5015A
RD7.5E-B1	5015A
RD7.5EB1	5015A
RD7 5EB2	5015A
RD7.5E-B2Z	5015A
RD7.5E-B3Z	5015A
RD7.5EBMV	5015A
RD7.5EB-Y	5015A
RD7.5E-BZ	5015A
RD7.5EC	5015A
RD7.5ED	5015A
RD7.5EL2	5015A
RD7.5EN3	5015A
RD7.5F	138A
RD7.5FA	138A
RD7.5FB	138A
RD7.5JB2	5015A
RD7.5JS	5015A
RD8	5072A
RD8R2EB	5016A
RD8R2EC	5072A
rd8.2	5072A
RD8.2C	5072A
RD-8.2E	5072A
RD8.2E	5016A
RD8.2EA	5072A
RD8.2EB	5016A
RD8.2EB1	5016A
RD8.2E-B1	5016A
RD8.2EB2	5016A
RD8.2E-B2Z	5016A
RD8.2EB2Z	5016A
RD8.2EB3	5016A
RD-8.2EC	5072A
RD8.2EC	5017A
RD8.2ED	5072A
RD8.2EK	5072A
RD8.2F	5072A
RD8.2FA	5072A
RD8.2FB	5072A
RD8.2FB2	5072A
RD8.2FB3	5072A
RD8.2FC	5072A
RD-8.2HD	5072A
RD8.2JB	5016A
RD9	139A
RD9A	139A
RD-9A	139A
RD9A(10)	139A
RD-9A(L)	5074A
RD9AL	5073A
RD9AM	5018A
RD9A-N	139A
RD9AN	5018A
RD9B	5073A
RD9C	5183AK
RD9CL	5183AK
RD9CM	5184AK
RD9CN	5185AK
RD9D	5183AK
RD9DL	5183AK
RD9DM	5184AK
RD9DN	5185AK
RD9E	5018A
RD-9E	140A
RD9.EB	139A
RD-9L	139A
RD9.1	139A
RD-9.1E	139A
RD9.1E	5018A
RD9.1EA	139A
RD-9.1EB	139A
RD9.1EB	5018A
RD9.1E-B	5018A
RD9.1EB1	5018A
RD9.1EB2	5018A
RD9.1EB3	5018A
RD9.1EB3Z	5018A
RD9.1EBD	5018A
RD9.1EBT	5018A
RD9.1EC	139A
RD-9.1EC	139A
RD9.1E-C	139A
RD9.1ED	139A
RD9.1EK	139A
RD9.1EN3	5018A
RD9.1E-N3	5018A
RD9.1F	139A
RD9.1FA	139A
RD9.1FB	139A
RD-9.1FB	139A
RD9.1F-B3	139A
RD9.1FC	5018A
RD9.1FK-3	139A
RD-9.1JB	5018A
RD9.1Z	139A
RD9.1Z(1)	139A
RD9.3	139A
RD10	140A
RD10E	5019A
RD10EA	140A
RD10EB	5019A
RD10E-B	5019A
RD-10EB	140A
RD10EB(2)	5019A
RD10EB1	5019A
RD10E-B1	5019A
RD10EB2	5019A
RD10EB-2	140A
RD10EB3	5019A
RD-10EC	5019A
RD10EK-7	140A
RD10EN1	5019A
RD10EN1T	5019A
RD10E-N2	5019A
RD10E-N3	5019A
RD10F	140A
RD10FA	140A
RD10FB	140A
RD10FB2	140A
RD10FC	140A
RD10JB2	5019A
RD10.0E	140A
RD11A	140A
RD11AL	5020A
RD11AM	5020A
RD11AN	5020A
RD11B	140A
RD-11B	140A
RD11C	5186AK
RD11CL	5186AK
RD11CM	5186AK
RD11CN	5187AK
RD11D	5186AK
RD11DL	5186AK
RD11DM	5186AK
RD11DN	5187AK
RD11E	5020A
RD11E(B3)	5020A
RD11EA	5074A
RD-11EB	5020A
RD11EB	5020A
RD11E-B	5020A
RD11EB1	5020A
RD11EB2	5020A
RD11E-B2	5020A
RD11EB3	5020A
RD11E-B3Z	5020A
RD11E-BS	5020A
RD11EB-Y	5020A
RD11EC	142A
RD11EE	5020A
RD11E-L2	5020A
RD11EM	5074A
RD11E-N2	5020A
RD11F	5074A
RD11FA	5074A
RD11FB	5074A
RD11JB	5074A
RD12	142A
RD12B	5021A
RD12-B1	5021A
RD12E	5021A
RD12E(3)	5021A
RD12EA	5021A
RD-12EB	5021A
R-D12EB	5021A
RD12EB	5021A
RD12EB(1)	5021A
RD12EB(3)-T4	5021A
RD12EB(3)	5021A
RD12EB1	5021A
RD12E-B1	5021A
RD12EB1Z	5021A
RD12E-B1Z	5021A
RD12E-B2	5021A
RD12E-B3	5021A
RD12EBD	5021A
RD12EBH	5021A
RD12EBM	5021A
RD12EB-T4	5021A
RD12EC	5021A
RD12E-L1	5021A
RD12E-N3	5021A
RD12E-T2	5021A
RD12F	142A
RD12FA	142A
RD12FB	142A
RD12FB1	142A
RD12FB2	142A
RD12FB3	142A
RD12FBT	142A
RD13	143A
RD13A	143A
RD-13A	143A
RD13AK	143A
RD-13AK	143A
RD-13AK-P	143A
RD-13AKP	143A
RD13AKP	143A
RD-13AL	5072A
RD13AL	5021A
RD13AM	5022A
RD13A-N	143A
RD-13AN	5022A
RD13AN	143A
RD13AN-P	143A
RD13B	143A
RD13B-Z	143A
RD13C	5128A
RD13CL	5188AK
RD13CM	5184AK
RD13CN	5189AK
RD13D	5128A
RD13DL	5188AK
RD13DM	5189AK
RD13DN	5189AK
RD-13E	5022A
RD13E	5022A
RD13E-2BZ	5022A
RD13EA	5022A
RD13EB	5022A
RD13E-B	5022A
RD13EB(1)	5022A
RD13EB(2)	5022A
RD13EB1	5022A
RD13EB-2	5022A
RD13E-B2	5022A
RD13EB2	5022A
RD13E-B2Z	5022A
RD13EB2Z	5022A
RD-13EB3	5022A
RD13EB3	5022A
RD13EC	5022A
RD13EL1	5021T1
RD13E-N1	5022A
RD13EN2	5022A
RD13E-N2	5022A
RD13F	143A
RD13FA	143A
RD13FB	143A
RD13K	142A
RD-13M	143A
RD15E	145A
RD-15E	145A
RD15E-12	5024A
RD15EA	5024A
RD15EB	5024A
RD-15EB	5024A
RD15EB2	5024A
RD15EB3	5024A
RD15E-B3	5024A
RD15E-B3Z	5024A
RD15EC	5024A
RD15E-N1	5024A
RD15EN3	5024A
RD15E-N3	5024A
RD15F	145A
RD15F1	145A

♦, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
RD15FA	145A
RD15FB	145A
RD15FM	145A
RD15JB3	5024A
RD15S	145A
RD16A	5025A
RD16AL	5025A
RD16AM	5025A
RD16AN	5026A
RD16A-N	5075A
RD-16C	5076A
RD16C	5192AK
RD16CL	5190AK
RD16CM	5191AK
RD16CN	5193AK
RD16C-Y	5075A
RD16D	5192AK
RD16DL	5190AK
RD16DM	5191AK
RD16DN	5193AK
RD16E	5025A
RD16EB	5025A
RD16EB1	5025A
RD16EB2	5025A
RD16EB3	5025A
RD16EC	5076A
RD16E-M	5075A
RD16E-N	5075A
RD16E-N2	5025A
RD16E-N3	5025A
RD16F	5075A
RD16FA	5075A
RD16FB	5075A
RD16FB1	5075A
RD16H	145A
RD-16H	145A
RD-16HA	145A
RD16JB1	5025A
RD16JB2	5025A
RD-16-N	5076A
RD-18E	5078A
RD18E	5027A
RD18EB	5027A
RD18E-B	5027A
RD18E-B1	5027A
RD18E-B3	5027A
RD-18EC	5078A
RD18F	5077A
RD18FA	5077A
RD18FB	5077A
RD18FB2	5077A
RD18FB3	5077A
RD19A	5028A
RD-19A	5079A
RD19AL	5028A
RD-19AM	5079A
RD19AM	5028A
RD19C	5195AK
RD19CL	5194AK
RD19CM	5196AK
RD19D	5195AK
RD19DL	5194AK
RD19DM	5196AK
RD-20E	5079A
RD20E	5079A
RD20EB	5029A
RD20EB3	5029A
RD20EV2-Y	5029A
RD20F	5079A
RD20FA	5079A
RD20FB	5079A
RD22	5080A
RD22E	5080A
RD22EB	5030A
RD22EB1	5030A
RD22F	5080A
RD22FA	5080A
RD22FB	5080A
RD22FC	5080A
RD24A	5081A
RD-24A	5081A
RD24AL	5081A
RD24AM	5081A
RD24AN	5081A
RD24C	5198AK
RD24CL	5197AK
RD24CM	5197AK
RD24CN	5199AK
RD24D	5198AK
RD24DL	5197AK
RD24DM	5197AK
RD24DN	5199AK
RD24E	5031A
RD24EB	5031A
RD24E-B	5031A
RD24EB1	5031A
RD24E-B27	5013A
RD24EBT	5031A
RD24E-BZ7	5031A
RD24EC	5082A
RD24F	5081A
RD24FA	5081A
RD24FB	5081A
RD24FBS	5081A
RD24FC	5082A
RD27E	5033A
RD27EB	5033A
RD27EB1	5033A
RD27EB4	5033A
RD27EB4TN	5033A
RD27EBS	5033A
RD27F	146A
RD27FA	146A
RD27FB	146A
RD27FC	146A
RD27FCD	146A
RD29A	5034A
RD29AL	5033A
RD29AM	5034A
RD29AN	5035A
RD29C	5201AK
RD29CL	5200AK
RD29CM	5201AK
RD29CN	5202AK
RD29D	5201AK
RD29DL	5200AK
RD29DM	5201AK
RD29DN	5203AK
RD30E	5035A
RD30EB	5035A
RD30EB2	5035A
RD30EB4	5035A
RD30F	5084A
RD30FA	5084A
RD30FB	5084A
RD30FB2	5084A
RD33E	5036A
RD33EB	5036A
RD33EB1	5036A
RD33E-B2	5036A
RD33E-B2Z	5036A
RD33EB3	5036A
RD33EB4	5036A
RD33EB-4	5036A
RD33EB5	5036A
RD33F	147A
RD33FA	147A
RD33FB	147A
RD33RB1	147A
RD-35A	147A
RD35AE	5037A
RD35AL	5036A
RD35AM	5037A
RD35C	5204AK
RD35CL	5203AK
RD35CM	5204AK
RD35CN	5205AK
RD35D	5204AK
RD35DL	5203AK
RD35DM	5204AK
RD35DN	5205AK
RD36E	5037A
RD36E-B	5037A
RD36EB	5037A
RD36E-B1	5037A
RD36EB-2	5037A
RD36EB3	5037A
RD36EB3V	5037A
RD36EB-TA11R	5037A
RD36EV3	5037A
RD36F	5085A
RD36FA	5085A
RD36FB	5085A
RD39EB	5038A
RD39EB2	5038A
RD39F	5086A
RD39FA	5086A
RD39FB	5086A
RD43EA	5039A
RD47EA	5040A
RD47EB2	5088A
RD47FBD	5088A
RD51EA	5041A
RD51EB	5041A
RD51JB	5041A
RD56B	136A
RD56EB	5042A
RD56E-B2Z	5042A
RD56E-BZ7S	5042A
RD62EA	5044A
RD62EB	5044A
RD68EA	5045A
RD68EB	5045A
RD68EB3	5045A
RD75EA	5046A
RD75EB	5046A
RD82EA	5047A
RD82JB	5047A
RD-91	139A
RD91E	139A
RD-91E	139A
RD91EA	5049A
RD-96	139A
RD100EA	5050A
RD250	116
RD612E-N2	5013A
RD-1003	116
RD1343	177
RD-3472	116
RD3472	116
RD9037	116
RD26235-1	116
RD-26235-1	116
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RD29799P	116
RD-31903P	116
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RE2	552
RE-2	116
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RE4	102A
RE5	103
RE6	103A
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RE7MP	104MP
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RE9	107
RE9.1E	139A
RE10	108
RE11	121
RE11MP	121
RE12	123
RE13	123A
RE14	124
RE15	126A
RE16	127
RE17	128
RE18	129
RE19	130
RE20	131
RE20MP	131
RE21	196
RE22	197
RE23	154
RE24	157
RE25	158
RE26	159
RE27	160
RE28	161
RE29	162
RE30	163A
RE31	164
RE32	165
RE33	172A
RE34	175
RE35	176
RE36	179
RE37	181
RE39	183
RE40	184
RE41	185
RE42	186
RE43	187
RE45	312
RE46	312
RE47	109
RE48	112
RE49	116
RE50	117A
RE51	125
RE52	177
RE53	106
RE54	156
RE57	323
RE58	323
RE59	324
RE60	287
RE61	281
RE62	234
RE63	290A
RE64	199
RE66	194
RE67	199
RE68	218
RE69	160
RE70	128
RE73	171
RE74	180
RE75	188
RE76	189
RE77	191
RE78	194
RE79	195A
RE79A	195A
RE80	210
RE81	211
RE82	219
RE83	226
RE83MP	226
RE85	326
RE86	110MP
RE87	113A
RE88	114
RE89	115
RE90	125
RE91	120
RE92	156
RE93P	173BPS
RE94	519
RE97	5063A
RE99	5065A
RE100	5066A
RE101	134A
RE102	5067A
RE103	5068A
RE104	5069A
RE105	135A
RE107	136A
RE108	5070A
RE109	137A
RE110	5071A
RE111	138A
RE112	5072A
RE113	5073A
RE114	139A
RE115	140A
RE116	5074A
RE117	5074A
RE118	142A
RE119	143A
RE120	144A
RE121	145A
RE122	5075A
RE123	5076A
RE124	5077A
RE125	5078A
RE126	5079A
RE127	5080A
RE128	5081A
RE129	5082A
RE130	147A
RE131	5086A
RE132	149A
RE133	5096A
RE134	5172A
RE135	5173A
RE136	5174A
RE137	5175A
RE138	5176A
RE140	5177A
RE141	5178A
RE142	5179A
RE143	5180A
RE144	5181A
RE145	5182A
RE146	5183A
RE147	5184A
RE148	5185A
RE149	5186A
RE150	5187A
RE152	5188A
RE153	5189A
RE154	5190A
RE155	5191A
RE156	5192A
RE157	5193A
RE158	5194A
RE159	5195A
RE160	5196A
RE161	5197A
RE162	5198A
RE163	5199A
RE164	5202A
RE165	5205A
RE166	5210A
RE167	118
RE168	5454
RE169	5482
RE170	5542
RE171	5455
RE172	5483
RE173	5543
RE174	5457
RE175	5485
RE176	5545
RE177	5487
RE178	5547
RE179	5640
RE180	5667A
RE181	5682
RE182	5641
RE183	5667A
RE184	5683
RE185	5642
RE186	5667A
RE187	5685
RE188	5643
RE189	5667A
RE190	6408
RE191	198
RE192	199
RE193	234
RE195	613
RE196	192
RE197	193
RE198	237
RE199	222
RE200	503
RE201	236
RE202	224
RE203	235
RE204	302
RE205	196
RE206	282§
RE207	287
RE208	288
RE209	295
RE210	297
RE211	298
RE212	299
RE213	300
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RE216	502
RE217	504
RE218	5404
RE219	294
RE220	293
RE-225	513
RE225	513
RE243	521
RE300-IC	703
RE301-IC	709
RE302-IC	705A
RE303-IC	783
RE304-IC	749
RE305-IC	712
RE306-IC	713
RE307-IC	714
RE308-IC	715
RE309-IC	722
RE310-IC	747
RE311-IC	708
RE312-IC	739
RE313-IC	738
RE314-IC	742
RE315-IC	737§
RE316-IC	736
RE317-IC	743
RE318-IC	721
RE319-IC	718
RE320-IC	720
RE321-IC	740A
RE322-IC	804
RE323-IC	790
RE324-IC	791
RE325-IC	1004
RE326-IC	1006
RE327-IC	1052
RE328-IC	1080
RE329-IC	1103
RE330-IC	1142
RE331-IC	748A
RE332-IC	788
RE333-IC	797
RE334-IC	801
RE335-IC	1003
RE336-IC	1005
RE337-IC	1046
RE338-IC	1058
RE339-IC	1081A*
RE340-M	1087
RE340M-IC	1087
RE341-M	1082
RE342-M	1092
RE343-IC	1096
RE343-M	1100
RE360-IC	1233
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RE1001	108
RE1002	108
RE2001	161
RE2002	161
RE3001	107
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RE5001	161
RE5002	161
RECT-S1-154	552
RECT-S1-1001	116
RECT-S1-1002	552
RECT-S1-1021	552
RECT-S1-1039	116
RECT-S1-1044	116
RECT-SI-154	552
RECT-SI-155	552
RECT-SI-156	116
RECT-SI-175	5013A
RECT-SI-176	506
RECT-SI-1001	116
RECT-SI-1002	552
RECT-SI-1005	552
RECT-SI-1019	525
RECT-SI-1020	558
RECT-SI-1021	552
RECT-SI-1023	116
RECT-U-1012	116
RECT-UG-1002	5305
RECT-UG-1004	5304
REJ70148	113A
REJ70148A	113A
REJ70643	116
REJ70931	116
REJ71253	177
REJ701148-1	113A
RER023	113A
RER-023	178MP
RET20	116
RF03C06	503
RF-1	552
RF1	552
RF-1A	552
RF1A	552
RF1B	558
RF1Z	552
RF8.2E	5072A
RF-8.2E	5072A
RF33	334
RF35	336
RF43	333
RF46	338F
RF95	336
RF105	335
RF110	317
RF200	161
RF237	341
RF262	342
RF1003	350F
RF1811	109
RF2065	341
RF2081	477
RF2123	345
RF2123A	345
RF2123A(PYE)	345
RF2127	352
RF2144	320F
RF3160	116
RF-3160	116
RF3472	116
RF4127	359◆
RF4128	360
RF5464	113A
RF5464-1P	113A
RF5465	113A
RF5465-1P	113A
RF5794	114
RF-6235-1	116
RF26231-1	116
RF26234-1	116
RF26235-1	116
RF26235-2	116
RF26235-5	116
RF29799P	116
RF31903P	116
RF-32101-8	116
RF32101-8	116
RF32101-9	116
RF32101R	116
RF-32101R	116
RF32102R	119
RF32103-1	118
RF32103R	118
RF32412-3	116(3)
RF32426-7	178MP
RF32645	116
RF33426-7	113A
RF33550-1	109
RF33976	116
RF34383	116
RF34661	177
RF60034	109
RFA70597	116
RFA70600	116
RFC61197	116
RFJ6134	116
RFJ30704	116
RFJ-30704	116
RFJ-31218	116
RFJ31218	116
RFJ-31362	116
RFJ31362	116
RFJ31363	116
RFJ-31363	116
RFJ33292	116
RFJ-33292	116
RFJ60286	116
RFJ60313	113A
RFJ-60366	116
RFJ60366	116
RFJ60614	109
RFJ60869	116
RFJ70147	5804
RFJ70148	113A
RFJ70149	506
RFJ70431	113A
RFJ70432	116
RFJ70487	116
RFJ70643	115
RFJ70703	116
RFJ70931	116
RFJ70970	116
RFJ70971	506
RFJ70974	116
RFJ70976	506
RFJ70977	116
RFJ71122	116
RFJ71123	156
RFJ71480	139A
RFJ72360	116
RFJ72787	116
RFJ711122	116
RFJZ0432	116
RFL-30596	116
RFL30596	116
RFM18N08	2392◆
RFM18N08-2	2392
RFM18N10	2392◆
RFM25N05	2392
RFM25N06	2392
RFM-33160	116
RFM33160	116
RFP2P08	2383
RFP2P10	2382
RFP2P10-2	2383
RFP6P08	2383◆
RFP6P10	2382◆
RFP8N18	2388
RFP8N20	2388
RFP8P08	2383
RFP8P10	2383
RFP10N12	2388
RFP10N15	2388
RFP12N08	66
RFP12N10	66
RFP12N18	2388
RFP12N20	2388
RFP-33118	116
RFP33118	116
RFS61436	117A
RFV60500	116
RG1	116
RG2A	580
RG2B	580
RG2D	580
RG2G	580
RG2J	580
RG2V	5332
RG3	580
RG3A	580
RG3B	580
RG3D	580
RG3G	580
RG3J	580
RG4A	580
RG4B	580
RG4D	580
RG4G	580
RG4GR	580
RG4J	580
RG4JR	580
RG100B	116
RG100D	116
RG100G	116
RG100J	116
RG602	6026
RG602R	6027
RG602T	6026
RG602TR	6027
RG604	6034
RG604R	6035
RG604T	6034
RG604TR	6035
RG606	6040
RG606R	6041
RG606T	6040
RG606TR	6041
RG608	6042
RG608R	6043
RG608T	6042
RG608TR	6043
RG610	6044
RG610R	6045
RG610T	6044
RG610TR	6045
RG1004	116
RG1127	116
RGM30A	6206
RGM30B	6206
RGM30D	6206
RGM30DX	6206
RGM30G	6208
RGM30GX	6208
RGM30J	6210
RGM30JX	6210
RGP01-08	552
RGP01-17	558
RGP01-77	558
RGP-10A	552
RGP-10B	552
RGP-10D	552
RGP10G	552
RGP10J	552
RGP-10J	552
RGP10J,623	552
RGP10JG23	552
RGP10M	558
RGP15D	580◆
RGP15G	580
RGP15J	580
RGP20GL	125
RGP80A	581
RGP80B	581
RGP80D	581
RGP80DR	581
RGP80G	581
RGP80GR	581
RGP5005	552
RGP5010	552
RGP5020	552
RGP5040	552
RGP5060	552
RGP5080	125
RH1	552
RH-1	552
RH1A	552
RH-1A	552
RH1B	558
RH-1B	558
RH-1BV	558
RH-1B-Z	558
RH1C	558
RH-1M	552
RH1M	552
RH-1S	552
RH1S	552
RH-1V	552
RH-1X0001TAZZ	748A
RH-1X0004CEZZ	749
RH-1X0015TAZZ	1197
RH-1X0017TAZZ	712
RH-1X0020CEZZ	1004
RH-1X0021CEZZ	1080
RH-1X0022CEZZ	1051
RH-1X0023CEZZ	1079
RH-1X0024CEZZ	1105§
RH-1X0025CEZZ	1050
RH-1X0032CEZZ	1089*
RH-1X0037CEZZ	615A
RH-1X0038CEZZ	712
RH-1X0043CEZZ	712
RH-1X0047CEZZ	1189
RH-1X0048CEZZ	OBS-NLA
RH-1X0054CEZZ	1140
RH-1X0072CEZZ	4011B
RH-1X0092CEZZ	1545
RH-1X025CEZZ	1413
RH-1X0113CEZZ	1413
RH-1X0137CEZZ	1751
RH-1X0212CEZZ	1671
RH1X0212CEZZ	1671
RH-1X0213CEZZ	1616
RH-1X0214CEZZ	1576
RH-1X0223CEZZ	1572
RH-1X0224CEZZ	1570
RH-1X0225CEZZ	1377
RH-1X0238CEZZ	1676
RH-1X0243CEZZ	1539
RH-1X0275CEZZ	1572
RH-1X0276CEZZ	1570
RH-1X0488CEZZ	1217
RH-1X1020AFZZ	1115A
RH1X1030AFZZ	1237
RH-1X1038AFZZ	1208
RH-1X1039AFZZ	1197
RH-1X1053AFZZ	1484
RH-1X1121AFZZ	1448
RH-1Z	552
RH1Z	552
RH-1ZM	552
RH-1ZV	552
RH2F	558
RH12F	142A
RH-13	116
RH120	123A
RH-AX0038CEZZ	142A
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RH-DX0001GEZZ	5312
RH-DX0003SEZZ	116

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
RH-DX0003TAZZ	116
RH-DX0004TAZZ	506
RH-DX0008CEZZ	116
RH-DX0017CEZZ	506
RH-DX0025CEZZ	116
RH-DX0026AGZZ	116
RH-DX0027CEZZ	605A
RH-DX0028CEZZ	506
RH-DX0029CEZZ	506
RH-DX0033TAZZ	519
RHDX0033TAZZ	177
RH-DX0036TAZZ	156
RH-DX0038CEZZ	125
RH-DX0039TAZZ	506
RH-DX0041CEZZ	116
RH-DX0042CEZZ	116
RH-DX0043TAZZ	552
RHDX0043TAZZ	116
RH-DX0045CEZZ	506
RH-DX0046CEZZ	177
RH-DX0048CEZZ	519
RH-DX0051CEZZ	506
RH-DX0054CEZZ	177
RH-DX0055TAZZ	116
RH-DX0056CEZZ	116
RH-DX0056TAZZ	506
RH-DX0057TAZZ	506
RH-DX0059TAZZ	116
RH-DX0062CEZZ	525
RH-DX0063CEZZ	506
RH-DX0064CEZZ	116
RH-DX0065CEZZ	506
RH-DX0065CZZ	506
RH-DX0066TAZZ	116(4)
RH-DX0067TAZZ	552
RH-DX0068TAZZ	116
RH-DX0069TAZZ	116
RH-DX0072CEZZ	116
RH-DX0073CEZZ	552
RH-DX0073TAZZ	116(4)
RH-DX0077CEZZ	525
RH-DX0081CEZZ	506
RH-DX0081TAZZ	116
RH-DX0083CEZZ	177
RH-DX0085TAZZ	552
RH-DX0086TAZZ	552
RH-DX0088TAZZ	116
RH-DX0090CEZZ	506
RH-DX0091CEZZ	156
RH-DX0092CEZZ	506
RH-DX0096CEZZ	506
RH-DX0100CEZZ	558
RH-DX0101CEZZ	552
RH-DX0104CEZZ	525
RH-DX0105TAZZ	552
RH-DX0106CEZZ	552
RH-DX0109TAZZ	116
RH-DX0110CEZZ	116
RH-DX0114CEZZ	552
RH-DX0115CEZZ	125
RH-DX0115TAZZ	125
RH-DX0117TAZZ	552
RH-DX0123CEZZ	552
RH-DX0126CEZZ	552
RH-DX0130CEZZ	552
RH-DX0131CEZZ	552
RH-DX0132CEZZ	515
RH-DX0136TAZZ	125
RH-DX0142CEZZ	519
RH-DX0148CEZZ	519
RH-DX0152CEZZ	5314
RH-DX0154CEZZ	116
RH-DX0155CEZZ	116
RH-DX0164CEZZ	525
RH-DX0181CEZZ	552
RH-DX0200CEZZ	5332
RH-DX0203CEZZ	580
RH-DX02C8CEZZ	5332
RH-DX0208CEZZ(Diode)	519
RH-DX110CEZZ	116
RH-DX202CEZZ	552
RH-DX1005AFZZ	116
RH-DX1006AFZZ	125
RH-DX7502YAZZ	519
RH-DXTT02A	116
RH-DXTT06A	156
RH-DY0003SEZZ	116
RH-DZ009YBEO	544
RH-EX0010GEZZ	5011A
RH-EX0011CEZZ	143A
RH-EX0011GEZZ	5024A
RH-EX0012CEZZ	5081A
RH-EX0012GEZZ	5005A
RH-EX0013CEZZ	5078A
RH-EX0014TAZZ	5074A
RH-EX0015CEZZ	5074A
RH-EX0017CEZZ	142A
RH-EX0019CEZZ	5070A
RH-EX0019GEZZ	145A
RH-EX0019TAZZ	5022A
RH-EX0021TAZZ	5020A
RH-EX0022CEZZ	5077A
RH-EX0022TAZZ	5020A
RH-EX0023TAZZ	5100A
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RM1Z-LR	116
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RM-1ZV	552
RM1ZV	552
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RN4922	184
RN4923	184◆
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RN-EVF-3SK60	454◆
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RS1C	558
RS1Z	552
RS5.6C	136A
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RS8BT	581
RS8DT	581
RS8GT	581
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RS-103	160
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RS-106	105
RS-107	123A
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RS-109	108
RS-110	159
RS128	123A
RS132	128
RS136	123A
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RS202	166
RS203	167
RS204	168
RS205	169
RS206	170
RS207	170
RS220AF	116
RS230AF	116
RS276-008	703
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RS276-038	941
RS276-1722	955M
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RS276-1803	7473
RS276-1804	7441
RS276-1805	7447
RS276-1806	7445
RS276-1807	7410
RS276-1808	7490
RS276-1809	7420
RS276-1811	7402
RS276-1812	7440
RS276-1813	7476
RS276-1814	74121
RS276-1830	309K
RS-279US	199
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RS401L	5318
RS402	5309
RS402L	5318
RS403	5309
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RS404	5310
RS404L	5319
RS405	5310
RS405L	5319
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RS406	102A
RS406(Bridge)	5311
RS406L	5320
RS407	5311
RS407L	5320
RS407LM(Bridge)	5320
RS561	137A
RS562	139A
RS563	142A
RS564	145A
RS593	160
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RS602	5329
RS603	5329
RS604	5330
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RS605M(Bridge)	5330
RS-684	126A
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RS-685	126A
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RS-686	102A
RS686	160
RS687	160
RS-687	102A
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RS703	1232
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RS-862S	1074
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RS1001	5633
RS1020	5465
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RS1059	123A
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RS1102	116
RS1103	116
RS1104	116
RS1122	177
RS1123	109
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RS1180	5312
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RS1721	832
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RS1770	960
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RS1772	968
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RS1811	109
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RS1820	74193
RS1822	7408
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RS1831	74192
RS1832	116
RS1834	74154
RS1835	74LS367
RS1900	74LS00
RS1902	74LS02
RS1904	74LS04
RS1908	74LS08
RS1910	74LS10
RS1912	74LS20
RS1913	74LS27
RS1914	74LS30
RS1915	74LS32

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RS1917	74LS51
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RS1919	74LS74A
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RS1932	74LS164
RS1934	74LS175
RS1936	74LS193
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RS-2002	160
RS2002	103A
RS-2003	126A
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RS2004	102A
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RS2005	102A
RS-2005	102
RS-2006	104
RS2006	121
RS-2007	158
RS2007	102
RS-2008	154
RS2008	376
RS2009	123AP
RS-2009	123A
RS2010	123AP
RS2011	108
RS-2011	161
RS-2012	287
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RS2022	159
RS2023	159
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RS2024	159
RS-2024	159
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RS2026	153
RS-2026	211
RS2027	332
RS-2027	183
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RS-2028	312
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RS-2029	6409
RS2030	128
RS2031	123AP
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RS2033	123AP
RS2035	312
RS2036	220
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RS2043	219
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RS7805T	960
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RS7812T	966
RS7814	123A
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RS7815T	968
RS7916	312
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RS8101	128
RS8102	129
RS8103	128
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RS8113	128
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RS8443	103A
RS8444	102A
RS8445	103A
RS8446	158
RS8491	2061§
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RS9512	107
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RS57062	102A
RS57433	102A
RS86057332	123A
RSKK36	176
RSLNA0004CEZZ	120
RSLNB0001CEZZ	113A
RSLND0003CEZZ	506
RT1N141C	2414
RT1N141S	2355
RT1N241C	2416
RT1N241S	2357
RT1N441C	2418
RT1N441S	2359
RT1P141C	2415

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
RT1P141S	2356
RT1P241C	2417
RT1P241S	2358
RT1P441C	2419
RT1P441S	2360
RT-100	123A
RT100	123A
RT112	107
RT114	123A
RT121	158
RT141	128
RT-141	128
RT-154	130
RT154	128
RT175	312
RT180	222
RT-185	102A
RT185	102A
RT-188	128
RT188	128
RT213	116
RT215	116
RT218	177
RT329	614
RT482	128
RT483	128
RT484	128
RT-600	508
RT-601	509
RT-602	510
RT-603	511
RT-604	512
RT-605	514
RT697M	123A
RT699M	128
RT-704	404
RT-929-H	123A
RT929H	123A
RT929H	123A
RT-930H	123A
RT930H	108
RT1008	109
RT1106	109
RT1108	109
RT1116	171
RT1184	109
RT1306	136A
RT1306(G.E.)	136A
RT1595	116
RT1667	110MP
RT1669	177
RT1686	506
RT1689	177
RT1840	116
RT1893	171
RT-2016	109
RT2016	123A
RT2061(G.E.)	177
RT2230	102A
RT2309	199
RT2329	102A
RT2330	102A
RT2331	102A
RT2332	123A
RT2334	109
RT2451	110MP
RT2452	109
RT2669	116(2)
RT-2669	116
RT2694	109
RT2709	102A
RT2914	123A
RT2915	108
RT3063	123A
RT3064	123A
RT3065	159
RT3065A	159
RT3069	108
RT3070	108
RT3071	159
RT3071A	159
RT3072	109
RT3095	108
RT3096	103A
RT3097	102A
RT3098	102A
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RT3226	108
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RT4232	116
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RT4625	158
RT4644	109
RT4760	123A
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RT4762	131
RT4764	116
RT4880	110MP
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RT5063	126A
RT5070	116
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RT5152	128
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RT5202	123A
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RT5215	5071A
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RT5520	126A
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RT5551	123A
RT5554	177
RT5637	102A
RT5738	110MP
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RT5901	123A
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RT5906	128
RT5907	128
RT5908	109
RT5909	177
RT5910	601
RT5911	116
RT5912	110MP
RT5939	109
RT6105	5072A
RT6105(G.E.)	5072A
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RT6332	116
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RT6604	102A
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RT6728	110MP
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RT6731	110MP
RT6732	123A
RT6733	123A
RT6734	102A
RT6735	102A
RT6735(PNP)	102A
RT6735(Silicon)	159
RT6735(NPN)	130
RT6736	102A
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RT6787	229
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RT6790	1003
RT6791	116
RT6921	123
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S1PT140BC	56022
S1PT140C	56022
S1PT225	56022
S1PT225A	56022
S1PT225AB	56022
S1PT225B	56022
S1PT225BC	56022
S1PT225C	56022
S1PT230	56022
S1PT230A	56022
S1PT230AB	56022
S1PT230B	56022
S1PT230BC	56022
S1PT230C	56022
S1PT240	56022
S1PT240A	56022
S1PT240AB	56022
S1PT240B	56022
S1PT240BC	56022
S1PT240C	56022
S1PT325	56024
S1PT325A	56024
S1PT325AB	56024
S1PT325B	56024
S1PT325BC	56024
S1PT325C	56024
S1PT330	56024
S1PT330A	56024
S1PT330AB	56024
S1PT330B	56024
S1PT330BC	56024
S1PT330C	56024
S1PT340	56024
S1PT340A	56024
S1PT340AB	56024
S1PT340B	56024
S1PT340BC	56024
S1PT340C	56024
S1PT425	56024
S1PT425A	56024
S1PT425AB	56024
S1PT425B	56024
S1PT425BC	56024
S1PT425C	56024
S1PT430	56024
S1PT430A	56024
S1PT430AB	56024
S1PT430B	56024
S1PT430BC	56024
S1PT430C	56024
S1PT440	56024
S1PT440A	56024
S1PT440AB	56024
S1PT440B	56024
S1PT440BC	56024
S1PT440C	56024
S1PT525	56026
S1PT525A	56026
S1PT525AB	56026
S1PT525B	56026
S1PT525BC	56026
S1PT525C	56026
S1PT530	56026
S1PT530A	56026
S1PT530AB	56026
S1PT530B	56026
S1PT530BC	56026
S1PT530C	56026
S1PT540	56026
S1PT540A	56026
S1PT540AB	56026
S1PT540B	56026
S1PT540BC	56026
S1PT540C	56026
S1PT625	56026
S1PT625A	56026
S1PT625AB	56026
S1PT625B	56026
S1PT625BC	56026
S1PT625C	56026
S1PT630	56026
S1PT630A	56026
S1PT630AB	56026
S1PT630B	56026
S1PT630BC	56026
S1PT630C	56026
S1PT640	56026
S1PT640A	56026
S1PT640AB	56026
S1PT640B	56026
S1PT640BC	56026
S1PT640C	56026
S1R12B	142A
S1R13B	142A
S1R20	552
S1R60	552
S1R80	552
S1R-80	558
S1R100	558
S1R150	558
S1RB	166
S1RB10	166
S1RBA(Bridge)	166
S1RBA00	5304◆
S1RBA-10	116(4)
S1RBA10	5304◆
S1RBA20	5304◆
S1RBA40	5304◆
S1RBA60	5305◆
S1RBA80	5306◆
S1RC20	116
S1RC20R	116
S1RD10	156
S1-RECT-35	177
S1-RECT-102	116
S1-RECT-154	116
S1-RECT-155	116
S1-RECT-158	506
S1S3M	585
S1S4M	585
S1S20	109
S1SM-150-01	116
S1SM-150-02	116
S1SW-05-02	116
S1T20H	552
S1VB	169
S1VB10	166
S1VB10S	166
S1VB20	167
S1VB40	168
S1WB10	5332
S1WB20	5332
S1WB-20	5332
S1WB40	5332
S1WB60	5332
S1Y	5400
S1YY	5401
S1.5	116
S-1.5	116
S-1.5-0	116
S1.5-01	116
S-2	116
S2A	5402
S2A06	116
S2A10	116
S2A20	5802
S2A30	5804
S2A40	5804
S2A50	5806
S2A60	5806
S2A80	5808
S2A100	5809
S2AN6	5874
S2AN12	5874
S2AO6	5800
S2AR1	116
S2AR2	116
S2B	5404
S2C30	116
S2C40	116
S2C40A	116
S2CN1	5802
S2D	5405
S2D153	196
S2E20	116
S2E60	116
S2E60-1	116
S2E100	125
S2GR2	5802
S2K20	580
S2K40	580
S2LA20	588
S2M	5406
S2M1	5801
S2M2	5800
S2PB	166
S2V	5806
S2V10	5801
S2V20	5802
S2V40	5804
S2V60	5806
S2VB	116(4)
S2VB10	5313
S2VB20	167◆
S2VB40	168◆
S2VC	116(2)
S2VC10	125(2)
S2VC10R	125(2)
S2VC60ZR	116
S2Y	5400
S2YY	5401
S3A05	5800
S3A06	116
S3A1	5801
S3A2	5802
S3A3	5804
S3A4	5804
S3A5	5806
S3A6	5806
S3A8	5808
S3A10	5809
S3AN6	5878
S3AN12	5878
S3AR1	116
S3CN1	5804
S3G4	125
S3GR2	5804
S3K40	580
S3LA20	588
S3M1	5802
S3MX	116
S-3MX	116
S3S3M	586
S3S4M	586
S3V	5806
S3V-10	5801
S3V10	5801
S3V20	5802
S3V40	5804
S3V60	5806
S3VC	116(2)
S3VC40	125(2)
S3VC40R	125(2)
S3VCR	116
S3WB	5315
S3WB60Z	5315
S4A06	116
S4A-1-A-3P	121
S4AN6	5878
S4AN12	5878
S4AR1	116
S4AR2	116
S4AR30	116
S-4C	558
S4CN1	5802
S4FN300	116
S4GR2	5802
S4M1	5804
S4VB	5312
S4VB-10	5312
S4VB10	5312
S4VB20	5313
S4VB20A	5313
S4VB40	5314
S5AN6	5882
S5AN12	5882
S5AR1	116
S5AR2	116
S5CN1	5804
S5GR2	5806
S5KC20	6240
S5KC20H	6240
S5KC20HR	6244
S5KC20R	6244
S5KV	540
S5M1	5804
S-5S	116
S5S	116(2)
S5SR	116
S-5SR	116
S5VB	5313
S5VB-10	5313
S5VB/10	5313
S5VB10	5313
S5VB20	5313
S5VB-20	5313
S-5VB-20	5313
S5VB40	5314
S6-3	166
S6-10	140A
S6-10A	140A
S6-10B	140A
S6-10C	140A
S6AN6	5882
S6AN12	5882
S6AR1	116
S6AR2	116
S6B-3-A-3P	121MP
S6BR2	156
S6GR2	5806
S6K20	581
S6K40	581
S6M1	5806
S7AN6	5886
S7AN12	5886
S7AR1	125
S7BR2	156
S8-01	5874
S-8-01	5874‡
S-8-02	5874‡
S-8-04	5878‡
S-8-06	5882‡
S8-06	156
S-8-08	5886‡
S8-10	156
S-8-10	5890‡
S8AN6	5886
S8AN12	5886
S8AR1	125
S8AR2	125
S8BR2	156
S8CN1	5808
S8GR2	5808
S8M1	5806
S8P-2-A-3P	102A
S-8R-01	5875‡
S-8R-02	5875‡
S-8R-04	5879‡
S-8R-06	5883‡
S-8R-08	5887‡
S-8R-10	5891‡
S9AN6	5890
S9AN12	5890
S9AR1	125
S9BR2	156
S9L-4-A-3P	102A
S-10	116
S10	116
S10A	116
S10AN6	5890
S10AN12	5890
S10AR1	125
S10AR2	125
S10B01-02	116
S10BR2	156
S10CN1	5808
S10GR2	5809
S10K11	2V010
S10K14	2V014
S10K17	2V017

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
S10K20	2V020
S10K25	2V025
S10K30	2V030
S10K35	2V035
S10K40	2V040
S10K50	2V050
S10K60	2V060
S10K75	2V075
S10K95	2V095
S10K130	2V130
S10K150	2V150
S10K250	2V250
S10K275	2V275
S10K300	2V300
S10K420	2V420
S10M1	5808
S10SC3M	6085
S10SC4M	6085
S10VB10	5313
S10VB-10	5313
S10VB20	5313
S11	177
S11(Trans)	46
S-12	5802
S12-1-A-3P	123A
S-12A	5802
S12CN1	5808
S12KC20	6246#
S12KC20H	6246#
S12M1	5809
S13	116
S13(Trans)	232
S13A	5804
S14	116
S14(Trans)	232
S14A	5804
S14A-1-3P	121
S14K11	2V010
S14K14	2V014
S14K17	2V017
S14K20	2V020
S14K25	2V025
S14K30	2V030
S14K35	2V035
S14K40	2V040
S14K50	2V050
S14K60	2V060
S14K75	2V075
S14K95	2V095
S14K130	2V130
S14K150	2V150
S14K250	2V250
S14K275	2V275
S14K300	2V300
S14K420	2V420
S-15	552
S15	552
S15A	552
S-15C	558
S15S3	6084
S15S4	6084
S15SC3M	6090#
S15SC4M	6090#
S15VB10	5322
S15VB20	5322
S15VB40	5324
S16	116
S16A	116
S16B	116
S-17	116
S17	116
S17A	116
S-17A	116
S18	116
S18A	116
S18B	116
S19	116
S19A	116
S19C	5987♦
S19D	5989♦
S19E	5991♦
S19G	5995♦
S19J	5999♦
S19L	6003♦
S20	125
S-20-01	5982‡
S-20-02	5986‡
S-20-04	5990‡
S-20-06	5994‡
S-20-08	5998‡
S-20-10	6002‡
S20C	5986♦
S20D	5988♦
S20E	5990♦
S20G	5994♦
S20J	5998♦
S20K130	524V13
S20K150	524V15
S20K250	524V25
S20K275	524V27
S20K300	524V30
S20K420	524V42
S20L	6002♦
S20LCA20	6246#
S20ND400	116
S20NH400	116
S-20R-01	5983‡
S-20R-02	5987‡
S-20R-04	5991‡
S-20R-06	5995‡
S-20R-08	5999‡
S-20R-10	6003‡
S21	116
S22	116
S22A	116
S23	116
S23A	116
S24	125
S24LCA20	6246#
S25A05	5980
S25A1	5986
S25A2	5986
S25A3	5990
S25A4	5990
S25A6	5994
S25A8	5998
S25A10	6002
S25S2	6094
S25VB10	5322
S25VB20	5322
S25VB40	5324
S26	116
S28	125
S30	116
S30-12	318
S30S1S03	6094
S30S1S04	6094
S30S3	6094
S30S3A	6094
S30S4A	6094
S30SC3M	6090#
S30SC4M	6090#
S31	116
S32(RECT)	116
S32(DIODE)	519
S33	116
S34	506
S-34	506
S35	116
S35S2	6094
S36	116
S37	5870
S38	5870
S39	5874
S-39T	121
S40	116
S40A	116
S40A05	5980
S40A1	5986
S40A2	5986
S40A3	5990
S40A4	5990
S40A5	5994
S40A6	5994
S40A8	5998
S40A10	6002
S-40T	121
S-40TB	121
S-41T	121
S-42T	121
S43	116
S-43T	121
S44	116
S46	116
S-46T	121
S47	116
S48	116
S-48T	121
S49	116
S-49T	121
S50	5886
S50-12	335
S50-28	317
S51	5886
S51A	6007
S51B	6007
S51C	6007
S52	5874
S52A	6006
S52B	6006
S52C	6006
S53	5878
S53A	5819♦
S53B	5819♦
S53C	5818♦
S54A	5818♦
S54B	5818♦
S54C	5818♦
S55	5882
S-55TB	126A
S56	5882
S57	5886
S58	5886
S-58TB	121
S59	5890
S-60(Stud)	5890
S-60(Axial)	116
S60(Stud)	5890
S60(Axial)	116
S60S3	6094
S60S4	6094
S60W	1354
S-60W	1354
S-60WA	1354
S61	125
S62	125
S63	125
S65-1-A-3P	160
S65-2-A-3P	103A
S65-4-A-3P	101
S65A-1-3P	160
S65B-1-3P	126A
S65C-1-3P	121
S66-1-A-3P	102A
S66-2-A-3P	102A
S66-3-A-3P	102A
S70-12	317
S-70T	126A
S70T	160
S72	116
S73	116
S74-3-A-3P	100
S75	116
S77	116
S77A-1-3P	105
S77B-1-3P	121MP
S77C-1-3P	121
S79	116
S80-12	335
S-80T	126A
S80W	1355
S-80W	1355
S81	116
S82	116
S83	116
S84	116
S84A-1-3P	121
S85	116
S-85	184
S86	116
S-86	184
S-87TB	126A
S87TB	160
S88B-1-3P	160
S88C-1-3P	100
S-88TB	126A
S88TB	160
S91	116
S91A	5800
S91-A	116
S91B	5801
S91H	116
S92	116
S92-1-A-3P	105
S92A	5800
S92-A	116
S92H	116
S93	116
S93A	116
S93H	116
S93SE133	130
S93SE140	130MP
S93SE165	130
S94	116
S95	116
S-99	519
S100	125
S-100-01	6154‡
S-100-02	6154‡
S-100-03	6154‡
S-100-04	6154‡
S-100-06	6156‡
S-100-08	6158‡
S-100-10	6158‡
S100-12	470
S100-28	471
S100W	1355
S-100W	1355
S-100WA	1355
S101	116
S102	116
S103	116
S104	116
S105	116
S105A	5800
S106	116
S106A	5454
S106A1	5454
S106B	5455
S106B1	5455
S106C	5457
S106C1	5457
S106D	5457
S106D1	5457
S106F	5453
S106F1	5453
S106Q	5452
S106Y	5452
S106Y1	5452
S107	116
S107A	5454
S107A1	5454
S107B	5455
S107B1	5455
S107C	5457
S107C1	5457
S107D	5457
S107D1	5457
S107F	5453
S107F1	5453
S107Q	5452
S107Y	5452
S107Y1	5452
S108	116
S110A	5809
S-110DT1	B40240
S115	116
S122A	5462
S122B	5463
S122C	5465
S122D	5465
S122F	5461
S124AHB	280
S129	116
S130-138	161
S130-251	161
S133-1	123A
S169N	123A
S180	177
S191G	116
S200	116
S-200-02	6354‡
S-200-03	6354‡
S-200-04	6354‡
S-200-06	6356‡
S-200-08	6358‡
S-200-10	6358‡
S201	116
S202	116
S203	116
S204	116
S205	116
S206	116
S208	125
S210	125
S217	116
S218	116
S219	116
S220	116
S221	116
S222	116
S223	116
S224	116
S229	5802
S230	116
S232	116
S233	116
S234	116
S235	116
S236	5802
S238	116
S239	116
S240	116
S241	116
S243	116
S250	116
S251	116
S252	116
S253	116
S254	116
S255	116
S256	116
S257	125
S258	125
S260	125
S262	116
S-262	116
S305	130
S-305	130
S-305A	130
S305A	130
S305D	130
S-305-PD	130
S306A	175
S-310E	152
S-320F	129
S353	130
S354	175
S356	130
S-356	130
S-371	160
S400	5878
S409F	128
S410	5874
S411	5874
S413	5878
S415	5882
S417	5886
S420	5874
S421	5874
S423	5878
S425	5882
S427	5886
S428	116
S431	116
S-437	129
S-437F	129
S-500	125
S500	106
S500B	5804
S-500B	116
S-500C	116
S500C	5804
S501	106
S502	177
S502A	177
S502B	177
S504-O	129
S505-SJ202	B40240
S505-SJ210	B40240
S505-SJ225	B40240
S505-SJ240	B40240
S505-SJ402	B40240
S505-SJ410	B40240
S505-SJ425	B40240
S505-SJ440	B40240
S506	177
S506A	177
S506B	177
S509	177
S509A	177
S509B	177
S520	159
S-522	192
S600	5882
S608	159
S642-D	5564
S684	160
S685	102A
S686	102A
S687	102A
S715	186
S717-323	467
S750	125
S750C	125
S800	5886
S801	186
S808	156
S855	120
S-873TB	160
S-874TB	160
S913	118
S926	118
S953	177
S1000	5848
S1001JS2	5454
S1001JS3	5454
S1001L	5417
S1001LS1	5426♦
S1001LS2	5426
S1001LS3	5426
S1001M	5408
S1001RS3	5413
S1003L	5417
S1003LS1	5426♦
S1003LS2	5426
S1003LS3	5426
S1003M	5408
S1003RS2	5454
S1003RS3	5413
S1004F1	5454
S1004F2	5454
S1004F3	5454
S1004F4	5454
S1006G	5514
S1006H	5491
S1006L	5417
S1006LS2	5426
S1006LS3	5426
S1006R	5462
S1008G	5514
S1008H	5491
S1008L	5417
S1008LS2	5426
S1008LS3	5426
S1008R	5462
S1009	108
S1010	5801
S1010BH	5463
S1010DH	5465
S1010G	5514
S1010H	5491
S1010L	5417
S1010LS2	5426
S1010LS3	5426
S1010MH	5466
S1010NH	5468
S1010R	5552
S1012R	5552♦
S1015G	5514
S1015H	5502
S1015R	5552
S1016	123A
S1016R	5552
S1019	108
S1020	5802
S1020G	5514
S1020H	5522
S1020R	5552
S1025C	5534A
S1025D	5562
S1025G	5517
S1025H	5522
S1025R	5552
S1030	5804
S1035C	5534A
S1035D	5562
S1035G	5534A
S1035H	5542
S-1037	108
S1037	108
S1040	5804
S-1041	108
S1041	107
S1041-16GN	107
S1044	108
S1047	159
S1050	5806
S-1058	108
S1058	108
S-1059	108
S1059	108
S-1060	108
S1060	5806
S1061	123A
S-1061	123A
S-1062	108
S1062	108
S1065	123A
S-1065	123A
S-1066	123A
S1066	123A
S-1068	123A
S1068	123A
S1069	123A
S1070	5808
S1074	123A
S1074R	123A
S1076	108
S1078	108
S-1078	108
S-1079	108
S1079	108
S1080(Diode)	5808
S1080(Transistor)	123A
S1080(Rectifier)	5808
S1090	5809
S1122	107
S1126	107
S-1128	123A
S1128	123A
S1142	108
S1143	123A
S-1143	123A
S1153	108
S-1153	108
S1201F	125
S1202	157
S1210	5801
S1211N	312
S1212N	312
S1213N	312
S1214N	312
S1215N	312
S1216N	312
S1220	5802
S1221	123A
S-1221	123A
S-1221A	123A
S1221A	123A
S1221N	312
S1222N	312
S1223N	312
S1224N	312
S1225N	312
S1226	123A
S1226N	312
S-1227	108
S1227	108
S1230	5804
S1231N	312
S1232N	312
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S-1362	108
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S1837	288
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S2003-1	130
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S2003LS3	5426
S2003M	5408
S2003RS2	5455
S2003RS3	5414
S2004F1	5455
S2004F2	5455
S2004F3	5455
S2004F4	5455

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To Be Replaced	ECG Replacement
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S2006R	5463
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S2008R	5463
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S2010G	5514
S2010H	5492
S2010L	5417
S2010LS2	5426
S2010LS3	5426
S2010R	5552
S2012BH	5552
S2012DH	5554
S2012MH	5556
S2012NH	5558
S2012R	5552♦
S2015	5916
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S2015R	5552
S2016R	5552
S2020	5916
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S6800T	6800
S6800TP	6800
S6801	123A
S6802	6802
S6802P	6802
S6802T	6802
S6802TP	6802
S6804	128
S6809	6809
S6809C	6809
S6809D	6809
S6809E	6809E
S6809EC	6809E
S6809ED	6809E
S6809EN	6809E
S6809EP	6809E
S6809N	6809
S6809P	6809
S6810	6810
S6810A	6810
S6810AP	6810
S6810AW	6810
S6810AWP	6810
S6810P	6810
S6821	6821
S6821P	6821
S6821T	6821
S6821TP	6821
S6850	6850
S6850P	6850
S6850W	6850
S6850WP	6850
S6860N	6860
S7000(HEP)	181
S7001(HEP)	180
S7002(HEP)	130
S7003(HEP)	219
S7004(HEP)	130
S7054	541
S7410M	5360
S7412M	5360
S7502	5405
S7503	5405
S8010L	5558
S8010R	5558
S8015H	5531
S8015R	5558
S8020H	5531
S8020R	5558
S8025H	5531
S8660	184
S9001(HEP)	6402
S9002(HEP)	5409
S9100	172A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
S9101	253
S9101(IC)	705A
S9101(HEP)	253
S9102	257
S9120(HEP)	232
S9121	254
S9122	258
S9140	243
S9140(HEP)	243
S9140(IC)	705A
S9141	244
S9141(HEP)	244
S9141(IC)	705A
S9303-01	9930
S9303-03	9930
S9308F	8308◆
S9313-01	9931
S9313-03	9931
S9314F	8314◆
S9316F	8316◆
S9323-01	9932
S9323-03	9932
S9333-01	9933
S9333-03	9933
S9441-03	9944
S9443-01	9944
S9443-03	9944
S9453-01	9945
S9453-03	9945
S9463-01	9946
S9463-03	9946
S9483-01	9948
S9483-03	9948
S9602F	9602◆
S9623-01	9962
S9623-03	9962
S9631	123A
S10100	5809
S10110	506
S10120	506
S10149	116(4)
S10153	184
S12020-04	152
S12100	5809
S12110	506
S12120	506
S12130	506
S12140	506
S13551M	309K
S15161-18F(Lncln)	5556
S-15161-18F(Lncln)	5556
S15649	123A
S15650	161
S15657	161
S15658	161
S15659	161
S15660	128
S17074	113A
S17862	154
S17900	128
S18000	128
S18100	159
S18200	128
S19386	128
S20100	5910
S20405	5870
S20410	5874
S20415	5874
S20420	5874
S20425	5878
S20430	5878
S20435	5878
S20440	5878
S20445	195A
S20445(RECT)	5882
S20446	237
S-20446	195A
S20450	5882
S20460	5882
S21100	5932
S21271	109
S-21271	109
S21520	175
S21549	128
S21648	107
S22543	123A
S24226	159
S24591	123A
S24592	199
S24594	129
S24596	123A
S24597	129
S24598	128
S24612	129
S24612A	129
S24614	128
S24615	129
S24616	128
S25089	1690
S25089A	1690
S25805	108
S27233	128
S27604	161
S29445	123A
S30405	5980
S30410	5982
S30415	5986
S30420	5986
S30425	5988
S30430	5988
S30435	5990
S30440	5990
S30445	5992
S30450	5992
S30460	5994
S31100	6002
S32100	6002
S32669	108
S33291	124
S33886	129
S33886A	129
S34100	6044
S34540	123A
S35486	180
S35487	181
S36100	6072
S36833	128
S36999	123A
S37100	6078
S37110	6078
S37120	6078
S38404	64
S40204	161
S40205	154
S40545	107
S42100	6158
S42110	6162
S42120	6162
S42130	6162
S42140	6162
S43100	6158
S43110	6162
S43120	6162
S43130	6162
S43140	6162
S-50240W	2042§
S-50242W	2043
S50305	6354
S50310	6354
S50315	6354
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S50390	6358
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S50415	6354
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S50425	6354
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S50435	6354
S50440	6354
S50445	6356
S50450	6356
S50460	6356
S50470	6358
S50480	6358
S50490	6358
S51100	6358
S51100R	6359
S53100	6358
S53100R	6359
S53110	6362
S53120	6362
S53130	6362
S53140	6362
S67794	124
S67809	121
S84342	2312
S88569	501B
S88570	500A
S88571	500A
S88576	112
S-95101	126A
S95101	160
S-95102	126A
S95102	160
S-95103	126A
S95103	160
S95104	160
S95106	160
S95125	108
S-95125	108
S95125A	108
S-95125A	108
S-95126	108
S95126	108
S-95126A	108
S95126A	108
S95201	102A
S-95201	102A
S95202	123A
S-95202	103A
S95203	102A
S95204	102A
S-95204	102A
S95206	102A
S95207	102A
S95214	102A
S95218	102A
S95252	157
S-95253	121
S95253	121
S95253-1	121
S-95253-1	121
S-95596(Gremlin)	966
S99101	160
S99102	160
S99103	160
S99104	160
S99201	102A
S99203	102A
S99218	102A
S99252	157
S326690	108
S413796	102
S503100	6358
S503110	6362
S503120	6362
S504100	6358
S504110	6362
S504120	6362
S1948008	159
S1977634	130
S2041635	102A
S2042634	103A
S8660121-808	184
SA1M1	5801
SA-2	117A
SA2	116
SA-2A	117A
SA-2B	117A
SA2B	116
SA-2C	117A
SA2M1	5802
SA2Z	125
SA-2Z	117A
SA3B	116
SA3M1	5804
SA5M1	5806
SA6M1	5806
SA7	101
SA-7	101
SA7-3	361
SA7-10	363
SA7-17	360
SA7-24	362
SA7-31	359
SA8-1-A-3P	160
SA8M1	5808
SA10M1	5809
SA12A05	5340
SA12A10	5340
SA12A20	5340
SA12A40	5342
SA12A60	5342
SA12A80	5344
SA12A1000	5344
SA15V	102A
SA29	158
SA33	102A
SA33BRN	102A
SA33RED	102A
SA50	159
SA50A	159
SA51	159
SA52	159
SA52A	159
SA52AC	159
SA52B	159
SA52BC	159
SA53	159
SA53A	159
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SA55	159
SA55A	159
SA56	159
SA56A	159
SA70	159
SA70A	159
SA78HV05CDA	931
SA78HV12CDA	933
SA78HV12CU	966
SA78MHV12CU	966
SA78V05CU	960
SA102	126A
SA128	102A
SA128-1	102A
SA197	102A
SA197-1	102A
SA197-2	102A
SA197-3	102A
SA204	102A
SA205BLU	102A
SA205BRN	102A
SA205GRN	102A
SA205ORN	102A
SA205RED	102A
SA205VIO	102A
SA205WHT	102A
SA205YEL	102A
SA240	102A
SA310	159
SA310A	159
SA311	159
SA311A	159
SA312	159
SA312A	159
SA313	159
SA314	159
SA314A	159
SA315	159
SA315A	159
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SA316A	159
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SA318-3	158
SA354B	103
SA410	159
SA410A	159
SA411	159
SA411A	159
SA412	159
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SA414A	159
SA415	159
SA415A	159
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SA416A	159
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SA496	106
SA496A	106
SA496B	106
SA529	102A
SA532N	928M
SA532T	928
SA534A	987
SA534F	987
SA534N	987
SA537	106
SA538	106
SA539	106
SA540	106
SA555N	955M
SA565	102A
SA646	102A
SA681	158
SA723CN	923D
SA821	137A
SA821A	137A
SA823	137A
SA823A	137A
SA825	137A
SA825A	137A
SA827	137A
SA827A	137A
SA829	137A
SA829A	137A
SA853	102A
SA3993	543
SA3993A	543
SA7805CDA	931
SA7805CU	960
SA7812CDA	933
SA7812CU	966
SA-93792	177
SA-93794	139A
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SA-607012CK	4081B
SA-607012T	4017B
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SA10014112	B40240
SA10014125	B40240
SA10014145	B75240
SA10014203	B40240
SA10014206	B40240
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SA10029108	A40240
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SA10094412	B40480
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SA10109106	A40240
SA10109108	A40240
SA10109110	A40240
SA10109112	A40240
SA10109125	A40240
SA10109145	A40240◆
SA10109203	A40240
SA10109206	A40240
SA10109208	A40240
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SA10109212	A40240
SA10109225	A40240
SA10109245	A40240◆
SA10109403	A25480
SA10109406	A25480
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SA10109410	A25480
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SA10109425	A25480
SA1024	1574
SA1025	840
SA1025-01	840
SA1025-02	840
SA1124	1574
SAB1044	161
SAB3469	161
SAC40	106
SAC40A	106
SAC40B	106
SAC42	106
SAC42A	106
SAC42B	106
SAC44	106
SAC187	56004
SAC190	5637
SAC203	56006
SAC238	56004
SAC283	56024
SAE-1	280
SAE-2	281
SAF1039P	1760
SAJ110	2040
SAJ210	2040
SAJ210AX7	2040
SAJ72155	1076
SAJ72156	1091*
SAJ72157	1046
SAJ72158	1047
SAJ72159	1077
SAJ72160	1086*
SAJ72161	1089*
SAJ72162	1048
SATCHZ339	108
SB01	116
SB01-02	177
SB0319	152
SB0419	218
SB-1	506
SB1-01-04	116
SB1Z	5800
SB-1Z	116
SB-2	506
SB-2(Centering)	507
SB-2B	506
SB-2C	558
SB2C	506
SB-2C,Y	506
SB2C-GL	506
SB-2CGL	525
SB-2CH	506
SB-2CY	525
SB-2GL	506
SB-2T	506
SB-3	116
SB-3-02	116
SB-3F	156(4)
SB-3F01	116
SB-3N	116
SB5	130
SB6	130
SB7	130
SB-100	126A
SB100	126A
SB101	160
SB102	160
SB103	160
SB120	585
SB130	585
SB140	585
SB168	102A
SB169	102A
SB200	126A
SB302	116
SB-309A	116
SB309A	166
SB309C	166
SB-309C	116
SB315	116
SB320	586
SB330	586
SB332	116
SB333	116
SB340	586
SB393	116
SB708D1H	205
SB726	159
SB821	137A
SB821A	137A
SB823	137A
SB823A	137A
SB825	137A
SB825A	137A
SB827	137A
SB827A	137A
SB829	137A
SB829A	137A
SB-1000	125
SB1620	6087
SB1630	6087
SB1640	6087
SB1645	6087
SB5122	126A
SBA5089	1690
SBEB05	166
SBEB1	166
SBEB2	167
SBEB4	168
SBEB6	169
SBP1020T	6085
SBP1030T	6085
SBP1035T	6085
SBP1040T	6085
SBP1620T	6087
SBP1630T	6087
SBP1635T	6087
SBP1640T	6087
SBP1645T	6087
SBP3020P	6090#
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SBP3035P	6090#
SBP3040P	6090#
SBP3045P	6090#
SBR05	166
SBR6A05	5340
SBR6A1	5340
SBR6A2	5340
SBR6A4	5342
SBR6A6	5342
SBR6A8	5344
SBR6A10	5344
SBR10A05	5340
SBR10A1	5340
SBR10A2	5340
SBR10A4	5342
SBR10A6	5342
SBR10A8	5344
SBR10A10	5344
SBR12	166
SBR22	167
SBR42	168
SBR62	169
SBR82	170
SBR102	170
SBR-260	116
SC05	116
SC05E	116
SC0515	5912
SC1	116
SC1(PHILCO)	230
SC1(SCR)	230
SC2	116
SC2(PHILCO)	231
SC4	116
SC6	117A
SC-6	109
SC-7	5457
SC7(Philco)	5457
SC-7(Philco)	5457
SC8	125
SC8A	125
SC10	125
SC10A	125
SC12	102A
SC-12	102A
SC12(diode)	177
SC-15	613
SC-16	116
SC20	614
SC-20	613
SC23-3	116
SC23-9	116
SC-29	113A
SC35A	5673
SC-35B	5673
SC35B	5673
SC35D	5675
SC35F	5673
SC40A	5667A
SC40B	5673
SC40B-1	5675
SC40D	5675
SC40E	5677
SC40F	5667A
SC43	100
SC44	100
SC45	102A
SC45A	5675
SC45B	5673
SC45B13	5673
SC45D	5675
SC45D13	5675
SC45E	5677
SC45E13	5677
SC45F	5675
SC46	100
SC50A	5675
SC50B	5673
SC50B13	5673
SC50D	5675
SC50D13	5675
SC50E	5677
SC50E13	5677
SC50F	5675
SC54	109
SC-56	103A
SC56	103A
SC60A	5682
SC60A13	5682
SC60B	5683
SC60B13	5683
SC60C	5685
SC60C13	5685
SC60D	5685
SC60D13	5685
SC60E	5685
SC60E13	5685
SC60F	5681
SC60F13	5681
SC63	102A
SC-63	102A
SC-65	123A
SC65	123A
SC66	102A
SC-66	102A
SC68	102A
SC-68	102A
SC-69	102A
SC69	102A
SC-70	121
SC70	121
SC-71	160
SC71	160
SC72	160
SC-72	160
SC-73	102A
SC73	102A
SC74	160
SC-74	160
SC78	160
SC-78	160
SC79	160
SC-79	160
SC-80	160
SC80	160
SC91	139A
SC110	116
SC-110	116
SC115	5916
SC116P1	725
SC136B(MT1,MT2,GT)	5629
SC136D(MT1,MT2,GT)	5629
SC140B	5645
SC140D	5645
SC140E	5645
SC140M	5645
SC141A	56004
SC141A1	56004
SC141A2	56004
SC141A3	56004
SC141A4	56004
SC141A5	56004
SC141A6	56004
SC141B	56004
SC141B1	56004
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SC141B3	56004
SC141B4	56004
SC141B5	56004
SC141B6	56004
SC141C	56006
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SC141M	5637
SC142B	5645
SC142D	5645
SC142E	5645
SC142M	5645
SC146A	5632
SC146A1	5632
SC146A2	5632
SC146A3	5632
SC146A4	5632
SC146A5	5632
SC146A6	5632
SC146B	5633
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SC146B4	5633
SC146B5	5633
SC146B6	5633
SC146C	5635
SC146C1	5635
SC146C2	5635
SC146C3	5635
SC146C4	5635
SC146C5	5635
SC146D	5635
SC146D1	5635
SC146D2	5635
SC146D3	5635
SC146D4	5635
SC146D5	5635
SC146D5X115	5635
SC146D6	5635
SC146E	5637

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
SC146E1	5637
SC146E3	5637
SC146E4	5637
SC146E5	5637
SC146E6	5637
SC146F	5631
SC146F1	5631
SC146F2	5631
SC146F3	5631
SC146F4	5631
SC146F5	5631
SC146F6	5631
SC146M	5637
SC147	123AP
SC147A	123AP
SC147B	123AP
SC147B(TRIAC)	5645
SC147D	5645
SC147E	5645
SC147M	5645
SC148	123AP
SC148A	123AP
SC148B	123AP
SC148C	123AP
SC149	123AP
SC149B	56004
SC149B(TRIAC)	56004
SC149C	123AP
SC149D	56006
SC149E	56008
SC149M	56008
SC150D	56006
SC151B	56004
SC151D	56006
SC151E	56008
SC151M	56008
SC160B	5679
SC160D	5679
SC160F	5679
SC174	123AP
SC174A	123AP
SC174B	123AP
SC206	123AP
SC215	5916
SC240B	5673
SC240B2	56022
SC240B3	56022
SC240B4	5679
SC240B5	5679◆
SC240B13	5673
SC240D	5675
SC240D2	56024
SC240D3	56024
SC240D4	5679
SC240D5	5679◆
SC240D13	5675
SC240E	5677
SC240E2	56026
SC240E3	56026
SC240E4	5679
SC240E5	5679◆
SC240E13	5677
SC240M	5677
SC240M2	56026
SC240M3	56026
SC240M4	5679
SC240M5	5679◆
SC241B	5688
SC241D	5689
SC241E	5690
SC241M	5690
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SC245B2	56022
SC245B3	56022
SC245B4	5679
SC245B5	5679◆
SC245B13	5673
SC245D	5675
SC245D2	56024
SC245D3	56024
SC245D4	5679
SC245D5	5679◆
SC245D13	5677
SC245E	5677
SC245E2	56026
SC245E3	56026
SC245E4	5679
SC245E5	5679◆
SC245E13	5677
SC245M	5677
SC245M2	56026
SC245M3	56026
SC245M4	5679
SC245M5	5679◆
SC246B	5688
SC246B4	5679
SC246D	5689
SC246D4	5679
SC246E	5690
SC246M	5690
SC250B	5673
SC250B2	56022
SC250B3	56022
SC250B4	5679
SC250B5	5679◆
SC250B13	5673
SC250D	5675
SC250D2	56024
SC250D3	56024
SC250D4	5679
SC250D5	5679◆
SC250D13	5675
SC250E	5677
SC250E2	56026
SC250E3	56026
SC250E4	5679
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SC250E13	5677
SC250M2	56026
SC250M3	56026
SC250M4	5679
SC250M5	5679◆
SC251B	5688
SC251B4	5679
SC251D	5689
SC251D4	5679
SC251E	5690
SC251M	5690
SC260B	5693
SC260B2	56022
SC260B3	56022
SC260B4	5679
SC260B5	5679◆
SC260D	5695
SC260D2	56024
SC260D3	56024
SC260D4	5679
SC260D5	5679◆
SC260E	5697
SC260E2	56026
SC260E3	56026
SC260E4	5679
SC260E5	5679◆
SC260M	5697
SC260M2	56026
SC260M3	56026
SC260M4	5679
SC260M5	5679◆
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SC261D4	5679
SC261E	5690
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SC265D	5695
SC265D2	56024
SC265D3	56024
SC265D3X50	56024
SC265D4	5679
SC265D5	5679◆
SC265E	5697
SC265E2	56026
SC265E3	56026
SC265E3X50	56026
SC265E4	5679
SC265E5	5679◆
SC265M	5697
SC265M2	56026
SC265M3	56026
SC265M3X50	56026
SC265M4	5679
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SC266M	5690
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SC365	129
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SC609	237
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SC821A	137A
SC823	137A
SC823A	137A
SC825	137A
SC825A	137A
SC827	137A
SC827A	137A
SC829	137A
SC829A	137A
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SC842	123A
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SC1007	160
SC1010	123A
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SC1182	914
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SC1294H	129
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SC4044	123A
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SC5204P	798
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SCA3235	161
SCA3236	161
SCA3237	161
SCA3238	161
SCA3239	161
SCA3240	161
SCA3242	161
SCA3243	161
SCA3244	161
SCA3246	161
SCA3521	128
SCAJ05	5312◆
SCAJ1	5312◆
SCAJ2	5313◆
SCAJ3	5314◆
SCAJ4	5314◆
SCAJ6	5315◆
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SCB32	5322
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SCBA2	5322
SCBA-2	5322
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SCBA4	5324
SCBA6	5326
SCBA-6	5326
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SCBE1	5322
SCBE2	5322
SCBE3	5324
SCBE4	5324
SCBE6	5326
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SCBR1F	125
SCBR6	156
SCBR6F	125
SCBR10	156
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SCE10	125
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SCL4000BE	4000
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SCL4001BE	4001B
SCL4002AE	4002B
SCL4002BE	4002B
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SCL4006ABE	4006B
SCL4006BE	4006B
SCL4007UBE	4007
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SCL4008BE	4008B
SCL4009UBE	4049
SCL4010BE	4050B
SCL4011AE	4011B
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SCL4012AE	4012B
SCL4012BE	4012B
SCL4013AE	4013B
SCL4013BE	4013B
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SCL4015AE	4015B
SCL4015BE	4015B
SCL4016BE	4016B
SCL4017AE	4017B
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SCL4060AE	4060B
SCL4063	4063B
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SCL4066BE	4066B
SCL4068BE	4068B
SCL4069UBE	4069
SCL4070BE	4070B
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SCL4071E	4071B
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SCL4094B	4094B
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SCL4162B	40162B
SCL4162BE	40162B
SCL4163B	40163B
SCL4163BE	40163B
SCL4174B	40174B
SCL4174BE	40174B
SCL4192B	40192B
SCL4192BE	40192B
SCL4193B	40193B
SCL4193BE	40193B
SCL4449UB	4049
SCL4449UBE	4049
SCL4502BE	4502B
SCL4508BE	4508B
SCL4510	4510B
SCL4510AE	4510B
SCL4510BE	4510B
SCL4511AE	4511B
SCL4511BE	4511B
SCL4512BE	4512B
SCL4514	4515B
SCL4514BE	4514B
SCL4515	4515B
SCL4515BE	4515B
SCL4516	4516B
SCL4516AE	4516B
SCL4516BE	4516B
SCL4518AE	4518B
SCL4518BE	4518B
SCL4520AE	4520B
SCL4520BE	4520B
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SCL4526B	4526B
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SCL4526BD	4526B
SCL4526BE	4526B
SCL4527BE	4527B
SCL4528AE	4528B
SCL4528BE	4528B
SCL4531BE	4531B
SCL4532B	4532B
SCL4532BC	4532B
SCL4532BD	4532B
SCL4532BE	4532B
SCL4543BE	4543B
SCL4555BE	4555B
SCL4556BE	4556B
SCL4582AE	40182B
SCL4582BE	40182B
SCL4584B	40106B
SCL4584BC	40106B
SCL4584BE	40106B
SCL4585BE	4585B
SCL40174AE	40174B
SCL40174BE	40174B
SCM5101	65101
SCM5101C	65101
SCM5101C-1	65101
SCM5101C-3	65101
SCM5101C-8	65101
SCM5101D	65101
SCM5101D-1	65101
SCM5101D-3	65101
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SCM5101E-3	65101
SCM5101E-8	65101
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SCMA800	536A
SCMA10496	563
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SCR-03	5501
SCR-03-C	5521
SCR-04	5504
SCR-04-C	5524
SCR04C	5504
SCR15	5401
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SCR108	5402
SCR108(Elcom)	5402
SCR118	5504
SCR118(Elcom)	5482
SCR122(Elcom)	5514
SCR200	5404
SCR202	5504
SCR202(Elcom)	5524
SCR204	5444
SCR207	5504
SCR207(Elcom)	5492
SCR208	5504
SCR208(Elcom)	5483
SCR218	5404
SCR218(Elcom)	5404
SCR222(Elcom)	5514
SCR255	5541
SCR402	5507
SCR402(Elcom)	5527
SCR404(Elcom)	5457
SCR408	5507
SCR408(Elcom)	5485
SCR422(Elcom)	5515
SCR502	5501
SCR502(Elcom)	5521
SCR505	5487
SCR505(ELCOM)	5487
SCR508	5501
SCR508(Elcom)	5481
SCR520	5483
SCR538	5444
SCR604(Elcom)	5448
SCR605(Elcom)	5513
SCR608(Elcom)	5487
SCR613	5444
SCR635(Elcom)	5547
SCR805(Elcom)	231
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SCR1478	5521
SCR2520	5543
SCR5020	5402
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SCT2	125
SCT3	125
SCT4	125
SCT5	125
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SD1	116
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SD-1-211B	116
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SD1-211C	116
SD1A	116
SD-1A	116
SD-1A4F	506
SD-1AHF	507
SD-1AUF	177
SD-1B	558
SD-1BHF	506
SD-1C	506
SD1C	125
SD-1C-4F	116
SD1CUF	116
SD-1C-UF	116
SD-1CUF	116
SD1DM-4	116
SD1HF	116
SD-1HF	116
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SD-1L	116
SD1L	116
SD-1LA	116
SD1LA	116
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SD-1N60	110MP
SD-1N60P	110MP
SD-1N60S	109
SD-1N4148	519
SD1P60XXXXFXT	109
SD-1S34	109
SD-1S1555	177
SD-1S1925	112
SD-1S2076	519
SD-1S2339	610
SD-1S2692	555
SD-1SS151	112
SD-1SV58	616
SD-1SV59	616
SD-1SV70	616
SD-1SV124	610
SD-1UF	116
SD-1VHF	506
SD-1X	116
SD1X	116
SD1Y	116
SD-1Z	116
SD1Z	116
SD1ZHF	116
SD2	125
SD-2	116
SD2A	116
SD2B	116
SD2C	125
SD-2N5062	5402
SD3	5076A
SD4	116
SD4(DUAL)	113A
SD5	116
SD-5	177
SD5(DUAL)	114
SD-5 (Philco)	177
SD6	116
SD-6	135A
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SD7	125
SD-7 (Philco)	178MP
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SD-8(Rectifier)	5808
SD-8(Zener)	5072A
SD-8 (Philco)	139A
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SD12(Philco)	177
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SD18	116
SD-19	166
SD20	6084
SD21A	109
SD-22	506
SD23	116
SD27	139A
SD-27	139A
SD30-13	506
SD-31	5079A
SD31	5080A
SD-32	136A
SD32	5011A
SD32(Schottky)	6084
SD33	142A
SD-33	143A
SD34	109
SD-34	177
SD39	614
SD41(Motorola)	6084
SD-41(TRW)	6084
SD42	5071A
SD-43	177
SD45	116
SD46	109
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SD46(4)	110MP

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

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SD46-4	109
SD46R	110MP
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SD49	5071A
SD51	112
SD-51	112
SD51(Motorola)	6094
SD-51(TRW)	6094
SD53	142A
SD56	109
SD-56	109
SD60	109
SD-60	109
SD80	116
SD-80	116
SD82	112
SD82A	112
SD-82A	112
SD82AG	112
SD-91	116
SD91	5800
SD91A	5802
SD-91A	116
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SD-91S	116
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SD-92	116
SD-92A	116
SD92A	5802
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SD-92S	116
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SD-94	116
SD94	5804
SD94A	5804
SD-94A	116
SD-94AB	116
SD94AB	116
SD94B	116
SD94S	116
SD95	116
SD-95	116
SD95A	116
SD-95A	116
SD96	116
SD96A	116
SD96S	116
SD98	125
SD98A	125
SD98S	125
SD100	177
SD101	5804
SD-101	116
SD102	116
SD103	116
SD104	116
SD105	139A
SD109	123A
SD-109	123A
SD110	177
SD-110	177
SD111	612
SD113	614
SD113TA	614
SD115	612
SD-115	612
SD116	611
SD-116	612
SD117	610
SD-150	109
SD165	177
SD-201	116
SD201	116
SD202	116
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SD301M	5408
SD345	152
SD-404	112
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SD600	177
SD600C	116
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SD910	125
SD910A	125
SD910S	125
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SD1006	77
SD1006M	77
SD1012(STUD)	348
SD1014	350
SD1014-1	350F
SD1014-6R	350F
SD1016	355
SD1018	320
SD1018-6Y	320F
SD1020	311
SD1023	186
SD1065-1M	473
SD1069	350
SD1074	318
SD1076	335
SD1077	329
SD1080	346
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SD1087	365
SD1088	366
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SD1089(YEL)	484
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SD1133	350
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SD1134-1	472
SD1135	363
SD1136	364
SD1143	350
SD1144	362
SD1145	363
SD1146	364
SD1167	337
SD1168	338
SD1169	339
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SD1212-7	474
SD1214-4	79
SD1214-11	79
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SD1218	351
SD1224	360
SD1229	351
SD1244	359
SD1244-6	359
SD1270	472
SD1272	345
SD1279	356
SD1281	353
SD1283	354
SD1285	338F
SD1288	336♦
SD1289	333
SD1290	339
SD1300	316
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SD1345(AUDIO)	152
SD1347-7	329
SD1398	2302
SD1405	335
SD1407	471
SD1410	481
SD1410-12M	481
SD1412	483
SD1412-14M	483
SD1416	352
SD1418	482
SD1421	485
SD1428	477
SD1429	365
SD1433	364
SD1434	367
SD1444	361
SD1445(AUDIO)	153
SD1451	318
SD1451-1	318
SD1451-2	318
SD1477	478
SD1477-28	478
SD1484	346
SD1487	470
SD1488	480
SD5400-1	3036
SD-5400-2	3036
SD5400-2	3036
SD-5400-3	3036
SD5400-3	3036
SD5440-1	3032
SD5440-2	3032
SDA345	152
SDA445	153
SDB345	152
SDB445	153
SD-BA244	177
SD-BAW62	519
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SFT357P	126A
SF.T358	160
SFT-358	160
SFT358	160
SFT367	158
SFT377	103A
SF.T377	103A
SF.T440	192
SFT440	411/128
SFT443	128
SF.T443	192
SFT443A	128
SF.T443A	192
SF.T445	192
SFT445	128
SFT523	158
SFT526	102A
SFT713	123A
SFT714	123A
SF.T714	192
SFZ708	136A
SFZ716	142A
SG-005	116
SG005	5804
SG2-04B	3007
SG2-05B	3010
SG2-07B	3016
SG-5N	156
SG-5P	156
SG105	116
SG-105	116
SG201AT	1171
SG201T	1171
SG203D	3024
SG-205	116
SG205	5802
SG205D	3010
SG206D	3003
SG224J	987
SG224N	987
SG-264A	276
SG264A	276
SG301AM	975
SG301AT	1171
SG305	5804
SG-305	116
SG307M	976
SG307N	976
SG308AM	938M
SG308AT	938
SG308AY	938M
SG308M	938M
SG308T	938
SG308Y	938M
SG309K	309K
SG310M	924M
SG310T	924
SG317P	956
SG320K-05	1913
SG320K-12	1915
SG320K-15	1919
SG323	116
SG323K	931
SG324N	987
SG337K	1911
SG337P	957
SG340-05K	931
SG340-12K	933
SG340K-5	931
SG340K-12	1914
SG340K-15	1916
SG340K-18	1920
SG340K-24	1924
SG340P-5	960
SG340P-6	962
SG340P-8	964
SG340P-12	966
SG340P-15	968
SG340P-18	958
SG340P-24	972
SG350K	970
SG353-05K	931◆
SG353K-12	933◆
SG505	116
SG555CM	955M
SG556CN	978
SG608	276
SG608AA	276
SG609	279A
SG609-3	279A
SG-613	276
SG613	276
SG613-1	276
SG613-2	276
SG613-3	276
SG709CN	909D
SG709CT	909
SG710CD	910D
SG710CN	910D
SG710CT	910
SG711CD	911D
SG711CN	911D
SG711CT	911
SG723CD	923D
SG723CN	923D
SG723CT	923
SG733CJ	927D
SG733CP	927D
SG733CT	927D
SG741CD	941D
SG741CM	941M
SG741CN	941D
SG741CT	941
SG747CD	947D
SG747CN	947D
SG747CT	947
SG-805	116
SG805	5808
SG1198	116
SG-1198	116
SG1468	921◆
SG1468J	921
SG1488	75188
SG1488J	75188
SG1488N	75188
SG1489	75189
SG1489J	75189
SG1489N	75189
SG1496	973
SG1496T	973
SG2001N	2011
SG2002N	2012
SG2003N	2013
SG2004N	2014
SG2182	103 + 102A(CP)
SG2183	103A + 102A(CP)
SG3045J	912
SG3045N	912
SG3046J	912
SG3046N	912
SG3058	914
SG3059	914
SG3079	914
SG3081J	916
SG3081N	916
SG3082N	2023
SG3083	929
SG3083N	929
SG3182	177
SG3183	177
SG3198	177
SG3243	987
SG3400	116
SG3401J	992
SG3401N	992
SG3432	177
SG3516	177
SG3524B	1720
SG3524N-B	1720
SG3525A	1721
SG3526N	1722
SG3527A	1723
SG3583	177
SG4501	921
SG4501(14 DIP)	921
SG4501J	921
SG4501N	921
SG5013	128
SG5028	177
SG5392	177
SG5400	177
SG7805CK	931
SG7805CP	960
SG7806CP	962
SG7808CP	964
SG7812CK	1914
SG7812CP	966
SG7812T	950
SG7815CK	1916
SG7815CP	968
SG7815T	951
SG7818ACP	958
SG7818CK	1920
SG7818CP	958
SG7824CK	1924
SG7905CK	1913
SG7905CP	961
SG7908ACP	965
SG7908CP	965
SG7912CK	1915
SG7912CP	967
SG7915CK	1919
SG7915CP	969
SG7918ACP	959
SG7918CK	1923
SG7918CP	959
SG7924CK	1925
SG9150	177
SG-9150	177
SGDEC7812-06	966◆
SGI2401R	6244
SGI2402R	6244
SGI2403R	6244
SGI2404R	6244
SGI5401C	6240
SGI5401CR	6244
SGI5402C	6240
SGI5402CR	6244
SGI5403C	6240
SGI5403CR	6244
SGI5404C	6240
SGI5404CR	6244
SGR100	116
SGS3439	2327◆
SGS3440	2327◆
SGS10004	98
SGS10005	98
SGS17139XRH	1113
SGS87231	161
SGSD310	99
SH1	116
SH-1	116
SH1A	116
SH-1A	116
SH1B	125
SH1C	125
SH-1DE	116
SH1S	5802
SH4D05	116
SH4D1	116
SH4D2	116
SH4D3	116
SH4D4	116
SH4D6	116
SH4D8	125
SH15	116
SH323KC	931
SH323SC	932◆
SH1064	123A
SH9821	289A
SHA7520	193
SHA7521	193
SHA7522	193
SHA7523	193
SHA7524	193
SHA7526	193
SHA7527	193
SHA7528	193
SHA7530	159
SHA7531	159
SHA7532	159
SHA7533	159
SHA7534	159
SHA7536	159
SHA7537	159
SHA7538	159
SHA7597	193
SHA7598	193
SHA7599	193
SHAD1	116
SHAD-1	116
SI05	5800
SI05A	5800
SI1	5801
SI1A	5802
SI1SS54	519
SI-2SD900B	89
SI5	5806
SI8A	156
SI10	5809
SI10A	156
Si-41	6084
SI50E	116
Si-51	6094
SI91G	116
SI100E	116
SI-154	552
SI-155	552
SI-175	5013A
SI-176	506
SI-600	169
SI1000E	125
SI-1001	116
SI-1010G	1348
SI-1019	525
SI-1020	558
SI1020AG	1348
SI1020AH	1349
SI-1020G	1348
SI-1020H	1349
SI-1021	552
SI-1030G	1350
SI1050AG	1350
SI-1050G	1350
SI-1066	552
SI1125AHD	1351§
SI-1125H	1352
SI-1125HD	1351§
SI1130AH	1352
SI-1130H	1352
SI1340AH	1353
SI-1340H	1353
SI-3052P	1934
SI3052P	1934
SI3052P5	1934
SI-3122P	1936
SI3122P	1936
SI-3122V	1936
SI3152P	1938
SI-3152P	1938
SI-3242P	1940
SI3242P	1940
SI-3554M	931
SI-7607AP	1545
SI-74145	74145
SI-74145N	74145
SIB0-1	116
SIB01	116
SIB01-01	552
SIB01-01V	552
SIB-01-02	116
SIB01-02	552
SIB01-02E	116
SIB01-04	552
SIB01-06	116
SIB01-06B	116
SIB-01-022	116
SIB01-2	116
SIB02-03CR	116
SIB02-CR	116
SIB02-CR1	178MP
SIB020-1B	166
SIB-0102	116
SIB0102	116
SIB0201CR	116
SIB0306	125
SIB-0306	125
SIB0L	116
SIB0L-02	116
SIB30-15	506
SIB50B794-1	166
SIB91-01	116
SIB101-01	116
SIB101-02	116
SIB-C1-02	177
SIBO1-02	116
SIB-O306	125
SIBO306	125
SiC122C	5465
SiC122D	5465
SiC122E	5466
SiC122M	5466
SiC122N	5468
SI-CA3064E	783
SI-CA3065E	712
SICT-5	4900
SICT-15	4926
SICT-22	4934
SID01-0	5875‡
SID01-02	116
SID01-03	5879‡
SID01-06	5883‡
SID01-09	5891‡
SID01E	116
SID01K	125
SID01L	116
SID02E	116
SID02K	125
SID02L	116
SID2A-1	113A
SID2A-3	113A
SID3B-3	115
SID30-13	525
SID30-15	551
SID30-132	525
SID30-137	506
SID50B851	177
SID50B851A	177
SID50C052-16	156(4)
SID51C052-12	156
SID51C052-18	156
SID51C052-19	156
SID51C169	156(4)
SID51C169-1	156(4)
SID51C169-2	156
SID50894	125
SID50894-3	156(4)
SiDA0.5K	5806
SiDA0.5N	5808
SiDA0.5P	5809
SIDA05K	156
SIDA05N	156
SIDA05P	156
SIE01-01	5983‡
SIE01-03	5991‡
SIE01-06	5995‡
SIE01-09	6003‡
SIF	525
SIF4	552
SIF14A-P	116
SIG01-01	5983‡
SIG01-03	5991‡
SIG01-06	5995‡
SIG01-09	6003‡
SIG1/100	116
SIG1/100	5802
SIG1/200	5802
SIG1/200	116
SIG1/400	116
SIG1/400	5804
SIG1/600	116
SIG1/600	116
SIG1/800	5808
SIG1/800	125
SIGCJ-1	506
SIH31-01	6155‡
SIH31-01R	6154‡
SIH31-03	6155‡
SIH31-03R	6154‡
SIH31-06	6157‡
SIH31-06R	6156‡
SIH31-10	6159‡
SIH31-10R	6158‡

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
SIH31-12	6163‡
SIH31-12R	6162‡
SI-HA1128	712
SI-HA11235	1550
SI-HA11580	1196
SI-HD14011BP	4011B
SIIR3N05XXXXX	832
SIIR3N06XXXX	853
SIL31-01	6355‡
SIL31-01B	6354‡
SIL31-03	6355‡
SIL31-03R	6354‡
SIL31-06	6357‡
SIL31-06R	6356‡
SIL31-10	6359‡
SIL31-10R	6358‡
SIL31-12	6363‡
SIL31-12R	6362‡
SIL-200	116
SIL200	116
SIL4018	4018B
SIL4022	4022B
SIL4035	4035B
SIL4043	4043B
SIL4044	4044B
SIL4046	4046B
SIL4053	4053B
SIL4060	4060B
SIL4072	4072B
SIL4073	4073B
SIL4075	4075B
SIL4076	4076B
SIL4098	4098B
SIL4510	4510B
SIL4511	4511B
SIL4514	4514B
SIL4515	4515B
SIL4516	4516B
SILC4001BXXXX	4001B
SILC4069UBXXX	4069
SILC40992XXXX	1691
SI-LM393N	943M
SI-LM393P	943M
SI-LM3065N	712
SILM8560BXXXX	2062
SI-M51358P	1545
SI-MC1352P	749
SI-MC1353P	1080
SI-MC1358P	712
SI-MC1364P	783
SI-MC14011BCP	4011B
SIN01-01	6107‡
SIN01-01R	6106‡
SIN01-03	6107‡
SIN01-03R	6106‡
SIN01-06	6107‡
SIN01-06R	6106‡
SIN01-10	6107‡
SIN01-10R	6106‡
SIN01-12	6107‡
SIN01-12R	6106‡
SIPS08	5562
SIPS010	5562
SIPS020	5562
SIPS025	5562
SIPS035	5562
SIPS18	5562
SIPS28	5562
SIPS38	5564
SIPS48	5564
SIPS58	5566
SIPS68	5566
SIPS110	5562
SIPS120	5562
SIPS125	5562
SIPS135	5562
SIPS210	5562
SIPS220	5562
SIPS225	5562
SIPS235	5562
SIPS310	5564
SIPS320	5564
SIPS325	5564
SIPS335	5564
SIPS410	5564
SIPS420	5564
SIPS425	5564
SIPS435	5564
SIPS510	5566
SIPS520	5566
SIPS525	5566
SIPS535	5566
SIPS610	5566
SIPS620	5566
SIPS625	5566
SIPS635	5566
SIPT025	56022
SIPT025A	56022
SIPT025AB	56022
SIPT025B	56022
SIPT025BC	56022
SIPT025C	56022
SIPT030	56022
SIPT030A	56022
SIPT030AB	56022
SIPT030B	56022
SIPT030BC	56022
SIPT030C	56022
SIPT040	56022
SIPT040A	56022
SIPT040AB	56022
SIPT040B	56022
SIPT040BC	56022
SIPT040C	56022
SIPT125	56022
SIPT125A	56022
SIPT125AB	56022
SIPT125B	56022
SIPT125BC	56022
SIPT125C	56022
SIPT130	56022
SIPT130A	56022
SIPT130AB	56022
SIPT130B	56022
SIPT130BC	56022
SIPT130C	56022
SIPT140	56022
SIPT140A	56022
SIPT140AB	56022
SIPT140B	56022
SIPT140BC	56022
SIPT140C	56022
SIPT225	56022
SIPT225A	56022
SIPT225AB	56022
SIPT225B	56022
SIPT225BC	56022
SIPT225C	56022
SIPT230	56022
SIPT230A	56022
SIPT230AB	56022
SIPT230B	56022
SIPT230BC	56022
SIPT230C	56022
SIPT240	56022
SIPT240A	56022
SIPT240AB	56022
SIPT240B	56022
SIPT240BC	56022
SIPT240C	56022
SIPT325	56024
SIPT325A	56024
SIPT325AB	56024
SIPT325B	56024
SIPT325BC	56024
SIPT325C	56024
SIPT330	56024
SIPT330A	56024
SIPT330AB	56024
SIPT330B	56024
SIPT330BC	56024
SIPT330C	56024
SIPT340	56024
SIPT340A	56024
SIPT340AB	56024
SIPT340B	56024
SIPT340BC	56024
SIPT340C	56024
SIPT425	56024
SIPT425A	56024
SIPT425AB	56024
SIPT425B	56024
SIPT425C	56024
SIPT426BC	56024
SIPT430	56024
SIPT430A	56024
SIPT430AB	56024
SIPT430B	56024
SIPT430BC	56024
SIPT430C	56024
SIPT440	56024
SIPT440A	56024
SIPT440AB	56024
SIPT440B	56024
SIPT440BC	56024
SIPT440C	56024
SIPT525	56026
SIPT525A	56026
SIPT525AB	56026
SIPT525B	56026
SIPT525BC	56026
SIPT525C	56026
SIPT530	56026
SIPT530A	56026
SIPT530AB	56026
SIPT530B	56026
SIPT530BC	56026
SIPT530C	56026
SIPT540	56026
SIPT540A	56026
SIPT540AB	56026
SIPT540B	56026
SIPT540BC	56026
SIPT540C	56026
SIPT625	56026
SIPT625A	56026
SIPT625AB	56026
SIPT625B	56026
SIPT625BC	56026
SIPT625C	56026
SIPT630	56026
SIPT630A	56026
SIPT630AB	56026
SIPT630B	56026
SIPT630BC	56026
SIPT630C	56026
SIPT640	56026
SIPT640A	56026
SIPT640AB	56026
SIPT640B	56026
SIPT640BC	56026
SIPT640C	56026
SIR20	552
SIR60	552
SIR80	558
SIR-80	116
SIR100	558
SIR150	558
SIRB-10	166
SIRBA	116(4)
SI-RECT-044	116
SI-RECT-2	116
SIRECT-2	116
SI-RECT-25	116
SI-RECT-27	116
SI-RECT-33	116
SI-RECT-34	116
SI-RECT-35	177
SI-RECT-36	506
SIRECT-36	116
SI-RECT-37	116
SI-RECT-39	116
SI-RECT-44	506
SI-RECT-48	116
SIRECT-48	116
SI-RECT-49	116
SI-RECT-53	116
SIRECT-59	116
SI-RECT-59	116
SI-RECT-69	116
SI-RECT-73	116
SI-RECT-74	116
SI-RECT-75	116
SI-RECT-77	116
SI-RECT-84	116
SIRECT-92	116
SI-RECT-92	116
SI-RECT-94	116
SI-RECT-100	116
SI-RECT-102	116
SIRECT-102	116
SI-RECT-102A	125
SI-RECT-110	156(4)
SI-RECT-110/SB-3F	116
SI-RECT-112	156(4)
SI-RECT-112/SB-3	156
SI-RECT-114	506
SI-RECT-122	116
SI-RECT-124	506
SI-RECT-136	125
SI-RECT-140/TR-6	137A
SI-RECT-140/TR6S	5070A
SI-RECT-144	116
SI-RECT-152	177
SI-RECT-154	116
SI-RECT-155	116
SI-RECT-156	116
SI-RECT-162	506
SI-RECT-168	5010A
SI-RECT-170	506
SI-RECT-174	113A
SI-RECT-178	115
SI-RECT-178B	115
SI-RECT-178BF	113A
SI-RECT-180	506
SI-RECT-204	125
SI-RECT-206	506
SI-RECT-208	156
SI-RECT-218	116
SI-RECT-222	116
SI-RECT-224	506
SI-RECT-226	116
SI-RECT-228	142A
SI-RECT-230	142A
SIRM-2C	125
SIR-RECT-44	116
SIS20	109
SiSC141C	5635
SiSC141D	5635
SiSC141E	5637
SiSC141M	5637
SiSC143C	5635
SiSC143D	5635
SiSC143E	5637
SiSC143M	5637
SiSC146C	5635
SiSC146D	5635
SiSC146E	5637
SiSC146M	5637
SiSC149C	56006
SiSC149D	56006
SiSC149E	56008
SiSC149M	56008
SiSC149N	56010
SiSC149S	56010
SISD-1	506
SISD-1HF	125
SISD-1X	116
SISD-K	116
SISM-150-01	116
SI-SN74145N	74145
SI-SN76650N	749
SISW-05-02	116
SISW-0502	116
SiT4/50	5481
SiT4/100	5482
SiT4/200	5483
SiT4/300	5485
SiT4/400	5485
SiT20/50	5541
SiT20/100	5542
SiT20/200	5543
SiT20/300	5545
SiT20/400	5545
SIT51B096-5	116(4)
SIT51B096-7	116(6)
SIT51B096-9	177
SI-TA7074P	749
SI-TA7075P	1080
SI-TA7611P-S	1413
SITVR-06G	552
SI-UPC393C	943M
SI-UPC574J	615A
SI-UPC580C	1196
SI-UPC1031H	1245
SI-UPC1360C	1520
SJ051A	5940
SJ051E	116
SJ051F	116
SJ052A	5940
SJ052E	116
SJ052F	116
SJ053E	5850
SJ053EK	5870
SJ053F	5800
SJ053K	5850
SJ054E	5870
SJ054EK	5870
SJ054K	5870
SJ60F	116
SJ101A	5834
SJ101F	116
SJ102A	5834
SJ102F	116
SJ103E	5854
SJ103EK	5874
SJ103F	5801
SJ103K	5854
SJ104E	5870
SJ104EK	5874
SJ104K	5870
SJ130	124
SJ201A	5834
SJ201F	116
SJ202A	5834
SJ202F	116
SJ203E	5854
SJ203EK	5874
SJ203F	5802
SJ203K	5854
SJ204E	5870
SJ204EK	5874
SJ204K	5870
SJ285	185
SJ301F	116
SJ302F	116
SJ304EK	5878
SJ401F	116
SJ402F	116
SJ403F	5804
SJ404EK	5878
SJ501F	116
SJ570	123A
SJ-570	116
SJ601F	116
SJ603	5882
SJ603E	5882
SJ603EK	5882
SJ603F	5806
SJ603K	5882
SJ604	5882
SJ604E	5882
SJ604EK	5882
SJ604K	5882
SJ619	130
SJ619-1	130
SJ652	218
SJ803F	5808
SJ805	124
SJ806	124
SJ811	175
SJ820	130
SJ821	219
SJ822	218
SJ954	130
SJ1000F	5809
SJ1003F	156
SJ1106	130
SJ1152	153
SJ1165	124
SJ1171	153
SJ1172	175
SJ1201	124
SJ1272	180
SJ1284	153
SJ1286	124
SJ1470	130
SJ1902	247
SJ1903	248
SJ1936	249
SJ1937	250
SJ2000	130
SJ2001	219
SJ2008	130
SJ2009	218
SJ2023	180
SJ2024	180
SJ2031	129
SJ2032	128
SJ2047	68
SJ2064	388
SJ2086	247
SJ2087	248
SJ2095	175
SJ2517	181
SJ2518	180
SJ2519	284
SJ2520	285
SJ2585	292
SJ2665	130
SJ2741	162
SJ2760	130
SJ3352	163A
SJ3408	384
SJ3423	162
SJ3447	175
SJ3464	130
SJ3477	162
SJ3478	162
SJ3507	180
SJ3519	181
SJ3520	219
SJ3604	130
SJ3636	180
SJ3637	180
SJ3648	175
SJ3678	130
SJ3679	219
SJ3680	175
SJ4140	284♦
SJ4155K	252
SJ4353	130
SJ4700	246
SJ4800	385
SJ4810	283
SJ5196	162
SJ5257	385
SJ5286	250
SJ5287	249
SJ5291	130
SJ5461	130
SJ5475	124
SJ5525	164
SJ5526	165
SJ5589	182
SJ5844	284
SJ5844K	284
SJ6343	388
SJ6344	386
SJ6357	284
SJ6369	60
SJ7269	283
SJ7280	52
SJ7343K	249
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SK2077	3077

♦, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
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SK3742	1187
SK3743	1123
SK3744	1260
SK3746	326
SK3747	157
SK3748	282§
SK3762	1227
SK3763	1226
SK3765	282§
SK3770	5004A
SK3803	5037A
SK3827	1166
SK3828	1241
SK3832	1231
SK3833	1308
SK3834	312
SK3839	155
SK3840	131MP
SK3841	294
SK3843	558
SK3844	321
SK3845	176
SK3849	293
SK3852	1232
SK3853	1374
SK3854	123AP
SK3858	251
SK3859	252
SK3860	265
SK3861	101
SK3862	103
SK3863	600
SK3864	605A
SK3865	778A
SK3865A	191
SK3866A	31
SK3867A	32
SK3868	HiDiv-1
SK3869	HiDiv-2
SK3870	HiDiv-3
SK3871	HiDiv-4
SK3872	1261
SK3873	1256
SK3874	1170
SK3875	1291
SK3876	1135
SK3877	1075A
SK3878	1245
SK3879	1246
SK3880	1254
SK3881	1528
SK3882	821
SK3884	1536
SK3885	1437
SK3887	983
SK3888	1180
SK3889	1228
SK3890	1150
SK3891	829
SK3892	973D
SK3893	152
SK3894	384
SK3895	328
SK3896	261
SK3897	262
SK3900	536A
SK3902	535
SK3903	537
SK3904	557
SK3905	556
SK3906	528◆
SK3909	568
SK3910	568
SK3911	18
SK3912	19
SK3913	57
SK3914	1465
SK3915	1259§
SK3916	1273
SK3917	1115A
SK3918	986
SK3919	822
SK3920	1263
SK3921	1268
SK3922	1285
SK3923	1286
SK3924	942
SK3927	820

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
SK3928	819§
SK3929	375
SK3930	398
SK3931	90
SK3932	91
SK3933	380
SK3934	381
SK3935	270
SK3936	271
SK3937	56004
SK3938	56004
SK3939	56008
SK3940	5481
SK3941	5482
SK3942	5483
SK3943	5485
SK3944	5487
SK3945	327
SK3946	385
SK3947	388
SK3948	247
SK3949	248
SK3950	5400
SK3951	5405
SK3952	5406
SK3953	5412
SK3954	5414
SK3955	5415
SK3956	5416
SK3957	62
SK3958	390
SK3959	391
SK3960	392
SK3961	393
SK3962	1902
SK3963	1249
SK3964	1439
SK3965	974
SK3966	2060
SK3967	1443
SK3968	1161
SK3969	1116
SK3972	1218
SK3973	988
SK3974	794
SK3975	2011
SK3977	456
SK3978	259
SK3979	260
SK3983	394
SK3985	5312
SK3986	5313
SK3987	5314
SK3988	5315
SK3989	5316
SK3990	220
SK3991	454
SK3995	386
SK3996	253
SK3997	254
SK3998	558
SK3999	173BP
SK4000	4000
SK4001	4001B
SK4002	4002B
SK4007	4007
SK4009	4049
SK4011	4011B
SK4012	4012B
SK4013	4013B
SK4015	4015B
SK4016	4016B
SK4017	4017B
SK4019	4019B
SK4023	4023B
SK4024	4024B
SK4025	4025B
SK4027	4027B
SK4029	4029B
SK4030	4030B
SK4031B	4031B
SK4032B	4032B
SK4033B	4033B
SK4034B	4034B
SK4040	4040B
SK4041UB	4041
SK4042	4042B
SK4045B	4045B
SK4046	4046B
SK4048B	4048B
SK4049	4049
SK4050	4050B
SK4051	4051B
SK4063B	4063B
SK4067B	4067B
SK4069	4069
SK4071	4071B
SK4081	4081B
SK4085B	4085B
SK4089B	4089B
SK4095B	4095B
SK4096B	4096B
SK4097B	4097B
SK4502B	4502B
SK4508B	4508B
SK4516B	4516B
SK4517B	4517B
SK4520	4520B
SK4527B	4527B
SK4532B	4532B
SK4536B	4536B
SK4541B	4541B
SK4543B	4543B
SK4585B	4585B
SK4586A	5818
SK5001	581
SK5002	552
SK5003	506
SK5006	156
SK5010	156
SK5012	506
SK5028	5329
SK5030	5330
SK5032	580
SK5036	580
SK5131	56004
SK5137	56008
SK5173	5673
SK5176	5677
SK5184A	124
SK5237	5437
SK5238	5438
SK5545	5645
SK5550	5650
SK5551	5651
SK5552	5652
SK5555	5655
SK5556	5656
SK5557	5657
SK5579	5679
SK5588	5688
SK5589	5689
SK5590	5690
SK5797	159
SK5798	159
SK5801	123A
SK5915	123A
SK6345	159
SK6346	159
SK6347	159
SK6347A	159
SK6554	6354
SK6555	6355
SK6556	6356
SK6557	6357
SK6558	6358
SK6559	6359
SK6560	6362
SK6561	6363
SK6601	5601
SK6607	5607
SK6615	5515
SK6616	5516
SK6630	5622
SK6634	5628
SK6635	5628
SK6641	5541
SK6642	5542
SK6648	5548
SK6650	5550
SK6651	5552
SK6652	5552
SK6654	5554
SK6656	5556
SK6658	5558
SK6681	5693
SK6682	5693
SK6683	5693
SK6685	5695
SK6686	5697
SK6707	5608
SK6708	5608
SK6709	5609
SK6717	5567
SK6718	5568
SK6719	5569
SK6720	5570
SK6722	5572
SK6724	5574
SK6725	5575
SK6727	5577
SK6729	5579
SK6730	5580
SK6732	5582
SK6734	5584
SK6740	5650
SK6744	5594
SK6745	5595
SK6746	5596
SK6748	5598
SK6749	5599
SK6752	5452
SK6753	5453
SK6754	5454
SK6761	5591
SK6762	5592
SK6768	5368
SK6769	5369
SK6771	5371
SK6772	5372
SK6774	5374
SK6775	5375
SK6777	5377
SK6778	5378
SK6780	5380
SK6781	5381
SK6786	5386
SK6787	5387
SK6790	5590
SK6791	5491
SK6792	5492
SK6794	5494
SK6796	5496
SK6810	6810
SK7038	5838
SK7039	5839
SK7042	5842
SK7043	5843
SK7046	5846
SK7047	5847
SK7048	5848
SK7049	5849
SK7051	5851
SK7055	5855
SK7059	5859
SK7063	5863
SK7066	5866
SK7067	5867
SK7068	5868
SK7069	5869
SK7074	6074
SK7075	6075
SK7076	6076
SK7077	6077
SK7078	6078
SK7079	6079
SK7086	5886
SK7087	5887
SK7090	5890
SK7091	5891
SK7092	5892
SK7093	5893
SK7096	5896
SK7097	5897
SK7100	5900
SK7101	5901
SK7104	5904
SK7105	5905
SK7108	5908
SK7109	5909
SK7110	5910
SK7111	5911
SK7145	5945
SK7153	5953
SK7171	5871
SK7175	5875
SK7179	5879
SK7181	5981
SK7182	5982
SK7183	5983
SK7191	5991
SK7198	5998
SK7199	5999
SK7202	6002
SK7203	6003
SK7206	6006
SK7207	6007
SK7208	6008
SK7209	6009
SK7210	6010
SK7211	6011
SK7220	6020
SK7221	6021
SK7222	6022
SK7223	6023
SK7226	6026
SK7234	6034
SK7235	6035
SK7240	6040
SK7241	6041
SK7242	6042
SK7243	6043
SK7244	6044
SK7245	6045
SK7248	6048
SK7249	6049
SK7250	6050
SK7251	6051
SK7254	6054
SK7255	6055
SK7260	6060
SK7261	6061
SK7264	6064
SK7265	6065
SK7268	6068
SK7269	6069
SK7272	6072
SK7273	6073
SK7277	6027
SK7301	5348
SK7303	5348
SK7313	5338
SK7332	582
SK7333	527A
SK7354	6154
SK7355	6155
SK7356	6156
SK7357	6157
SK7358	6158
SK7359	6159
SK7362	5962
SK7363	5963
SK7366	5966
SK7367	5967
SK7376	5826
SK7377	5827
SK7400	7400
SK7401	7401
SK7402	7402
SK7404	7404
SK7405	7405
SK7406	7406
SK7407	7407
SK7410	7410
SK7412	7412
SK7414	7414
SK7416	7416
SK7420	7420
SK7422	7422
SK7427	7427
SK7428	7428
SK7430	7430
SK7432	7432
SK7437	7437
SK7438	7438
SK7440	7440
SK7442	7442
SK7445	7445
SK7447	7447
SK7451	7451
SK7454	7454
SK7473	7473
SK7474	7474
SK7475	7475
SK7476	7476
SK7485	7485
SK7486	7486
SK7490	7490
SK7493	7493A
SK7494	7494
SK7495	7495
SK7600	1423
SK7601	1424
SK7602	1591
SK7603	1397
SK7604	1525
SK7605	1557
SK7606	1650
SK7607	1486
SK7608	1375
SK7610	1561
SK7611	1624
SK7612	2061§
SK7614	839
SK7615	921
SK7616	855
SK7617	927D
SK7618	1727
SK7619	1747
SK7620	1560
SK7622	1381
SK7626	1683
SK7627	1400
SK7630	1363
SK7632	1653
SK7633	1656
SK7634	1434
SK7637	1509
SK7638	1508
SK7641	858M
SK7642	1928
SK7643	1930
SK7644	1900
SK7645	853
SK7646	1548
SK7647	1546
SK7648	1563
SK7649	1293
SK7650	1724
SK7652	1626
SK7653	1676
SK7654	1386
SK7656	1515
SK7657	1556
SK7658	1382
SK7659	1326
SK7660	1327
SK7661	1281
SK7662	1334
SK7663	1379
SK7664	159
SK7665	1387
SK7667	1498
SK7670	1654
SK7671	1521
SK7672	1576
SK7673	1657
SK7676	1547
SK7677	1571
SK7678	1573
SK7679	1651
SK7681	1570
SK7686	842
SK7687	1655
SK7692	868
SK7703	1732
SK7704	1517
SK7705	1725
SK7706	1378
SK7707	1376
SK7708	856
SK7711	1687
SK7713	1682
SK7717	874
SK7718	873
SK7719	1719
SK7720	1553
SK7721	926
SK7809	1733
SK7810	1734
SK7811	1735
SK7817	1740
SK7900	6404
SK7901	6408
SK7952	605A
SK8215	123A
SK8251	123A
SK8261	154
SK9000	552
SK9001	113A
SK9003	5800
SK9004	5801
SK9005	5802
SK9006	5804
SK9007	5804
SK9008	5806
SK9009	5808
SK9010	5809
SK9012	990
SK9013	824
SK9015	1417
SK9016	1416
SK9017	927
SK9018	1405
SK9019	2022
SK9020	2021
SK9025	702
SK9026	701
SK9027	849
SK9028	700
SK9030	830§
SK9031	284
SK9032	285
SK9033	60
SK9034	61
SK9037	5317
SK9038	346
SK9039	386
SK9040	387
SK9041	373
SK9042	374
SK9043	1520
SK9045	1412
SK9046	1419
SK9048	1428
SK9049	1425
SK9050	1427
SK9051	1421
SK9054	1269
SK9055	1270
SK9056	1440
SK9058	1415
SK9059	1406
SK9061	1406
SK9062	9402
SK9063	9403
SK9064	1408
SK9067	931
SK9068	804
SK9070	911
SK9071	911D
SK9072	452
SK9074	1210
SK9075	166
SK9076	187A
SK9077	2016
SK9078	2017
SK9079	2018
SK9080	2019
SK9081	2020
SK9082A	6406§
SK9085	379
SK9087	5327
SK9088	5328
SK9089	832
SK9090	915
SK9091	177
SK9092	2012
SK9093	2013
SK9094	2014
SK9095	2015
SK9096	5814
SK9097	5817
SK9099	5340
SK9100	5340
SK9101	5340
SK9102	5342
SK9103	5342
SK9104	5344
SK9105	5344
SK9107	274
SK9108	275
SK9109	97
SK9110	99
SK9111	98
SK9112	377
SK9113	378
SK9114	81
SK9115	82
SK9116	241
SK9117	242
SK9118	375
SK9119	85
SK9121	6410
SK9123	6401
SK9124(EB2B1)	6409
SK9125	6405
SK9126	825
SK9127	828
SK9128	924
SK9129	924M
SK9130	1578
SK9131	2311
SK9134	181
SK9136	180
SK9137	382
SK9138	383
SK9139	10
SK9140	53
SK9141	94
SK9142	192
SK9143	193
SK9144	918
SK9145	918M
SK9146	937
SK9147	937M
SK9149	459
SK9150	555
SK9157	312
SK9158	465
SK9159	464
SK9160	462
SK9161	457
SK9162	467
SK9163	466
SK9164	451
SK9165	2388
SK9166	938
SK9167	938M
SK9168	965
SK9169	950
SK9170	951
SK9171	940§
SK9172	997
SK9173	948
SK9174	925
SK9175	910
SK9176	910D
SK9177	909
SK9178	846
SK9179	615A
SK9180	1420
SK9182	1289
SK9183	1290
SK9184	1454
SK9186	1388
SK9187	1445
SK9188	1479
SK9189	1331
SK9190	1113
SK9191	1398
SK9192	1565
SK9193	1544
SK9194	1471
SK9195	1575
SK9196	1492
SK9197	1522
SK9198	1409
SK9199	1426
SK9200	902
SK9201	996
SK9202	841
SK9203	2032
SK9204	2053
SK9206	851
SK9207	863
SK9208	1463
SK9209	995
SK9210	823
SK9211	1483
SK9212	1466
SK9214	1418
SK9215	956
SK9216	957
SK9217	919
SK9218	919D
SK9219	1917
SK9221	1903
SK9222	1905
SK9224	994M
SK9225	1396
SK9226	1117
SK9228	1287
SK9229	85
SK9230	5332
SK9231	5332
SK9232	5332
SK9233	5334
SK9234	331
SK9236	332
SK9237	87
SK9239	88
SK9244	1558
SK9245	1636
SK9246	1411
SK9248	852
SK9249	1550
SK9250	1513
SK9251	1380
SK9252	1288
SK9253	266
SK9254	267
SK9255	268
SK9256	269
SK9259	96
SK9260	39
SK9262	386
SK9263	51
SK9265	1297
SK9266	1162
SK9267	1283
SK9268	1284
SK9269	1399
SK9270	70
SK9271	71
SK9272	72
SK9273	73
SK9274	74
SK9275	75
SK9276	984
SK9281	835§
SK9282	1289
SK9283	959
SK9284	5820
SK9285	5821
SK9286	5819
SK9287	5823
SK9290	5461
SK9291	5462
SK9292	5463
SK9293	5465
SK9294	5466
SK9295	95
SK9297	86
SK9298	1551
SK9299	1295
SK9300	546§
SK9303	545§
SK9304	547
SK9305	548
SK9306	541
SK9307	542
SK9308	543
SK9311	1296
SK9312	1490
SK9313	1395
SK9314	1299
SK9315	1417
SK9320	1532
SK9321	1496
SK9322	1468
SK9323	941S
SK9324	1663
SK9325	1674
SK9326	1414
SK9328	358
SK9329	358A
SK9330	358B
SK9331	1914
SK9332	1916
SK9333	970
SK9334	1913
SK9335	1915
SK9336	1919
SK9337	1912
SK9338	1918
SK9339	970
SK9340	932
SK9341	933
SK9342	934
SK9344	935
SK9351	240
SK9352	399
SK9353	1403
SK9354	1401
SK9355	1473
SK9356	1469
SK9357	2079
SK9359	1738
SK9360	1581
SK9361	1361
SK9363	398
SK9364	56
SK9365	68
SK9366	54
SK9367	55
SK9368	324
SK9369	323
SK9371	63
SK9372	64
SK9373	65
SK9379	1545
SK9380	1413
SK9382	845
SK9383	850
SK9384	1231A
SK9386	867
SK9388	5344◆
SK9392	80
SK9393	1471*
SK9394	1294
SK9395	1364
SK9396	1362
SK9397	955S
SK9398	1298
SK9402	1673
SK9403	1538
SK9404	1539
SK9406	1330
SK9407	85
SK9411	389
SK9412	255
SK9413	36
SK9415	37
SK9419	83
SK9420	84§
SK9422	2302
SK9423	40
SK9424	41
SK9425	42
SK9426	43
SK9427	44
SK9428	45
SK9429	33
SK9430	34
SK9433	123AP
SK9434	159
SK9435	190
SK9436	272
SK9437	273
SK9438	247
SK9439	248
SK9440	251
SK9441	252
SK9442	46
SK9446	92
SK9447	93
SK9448	58
SK9449	59
SK9450	196
SK9451	197
SK9452	51
SK9453	24
SK9454	25
SK9459	47
SK9461	46
SK9462	228A
SK9468	128P
SK9469	129P
SK9470	216
SK9471	217
SK9472	227
SK9495	5468
SK9501	2388
SK9502	2382

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
SK9506	2383
SK9507	2383
SK9509	67
SK-31024-3	108
SK37730(Fisher)	289A
SK40100B	40100B
SK40106B	40106B
SK40160B	40160B
SK40161	40161B
SK40161B	40161B
SK40162B	40162B
SK40163B	40163B
SK40174B	40174B
SK40175B	40175B
SK40182B	40182B
SK40192B	40192B
SK40193B	40193B
SK40194B	40194B
SK74107	74107
SK74109	74109
SK74110	74110
SK74111	74111
SK74121	74121
SK74122	74122
SK74123	74123
SK74150	74150
SK74151	74151
SK74153	74153
SK74155	74155
SK74160	74160
SK74161	74161
SK74162	74162
SK74164	74164
SK74170	74170
SK74178	74178
SK74179	74179
SK74180	74180
SK74192	74192
SK74193	74193
SK74195	74195
SK74198	74198
SK707380	5633
SK16510006-2	129
SK16510006-4	129
SKA1079	129
SKA1080	123A
SKA1117	123A
SKA1279	159
SKA1395	123A
SKA1416	107
SKA4074	108
SKA4075	108
SKA4076	108
SKA4129	159
SKA4141	123A
SKA4410	192
SKA4525	108
SKA4616	128
SKA4621	129
SKA4768	161
SKA9013	108
SKB8339	123A
SKE4G2/02	580
SKHM7	548
SKK45/06	6220
SKK45/08	6220
SKK45/12	6220
SKKD45/04	6220
SKKD80/04	6230
SKKD80/06	6230
SKKD80/08	6230
SKKD80/12	6230
SKKH40/04	5711
SKKH40/06	5711
SKKH40/08	5711
SKKH40/12	5711
SKKH55/04	5711
SKKH55/06	5711
SKKH55/08	5711
SKKH55/12	5711
SKKH90/04	5721
SKKH90/06	5721
SKKH90/08	5721
SKKH90/12	5721
SKKT18/04	5710
SKKT18/06	5710
SKKT18/08	5710
SKKT18/12	5710
SKKT25/04	5710
SKKT25/06	5710
SKKT25/08	5710
SKKT25/12	5710
SKKT40/04	5710
SKKT40/06	5710
SKKT40/08	5710
SKKT40/12	5710
SKKT55/04	5710
SKKT55/06	5710
SKKT55/08	5710
SKKT55/12	5710
SKKT90/04	5720
SKKT90/06	5720
SKKT90/08	5720
SKKT90/12	5720
SKMV10B	1V010
SKMV10C	2V010
SKMV14B	1V014
SKMV14C	2V014
SKMV15B	1V015
SKMV15C	2V015
SKMV17B	1V017
SKMV17C	2V017
SKMV20B	1V020
SKMV20C	2V020
SKMV30C	2V030
SKMV35B	1V035
SKMV35C	2V035
SKMV40B	1V040
SKMV40C	2V040
SKMV50B	1V050
SKMV50C	2V050
SKMV115B	1V115
SKMV115C	2V115
SKMV130H	1V030
SKMV130J	2V030
SKMV130K	524V13
SKMV150H	1V150
SKMV150J	2V150
SKMV150K	524V15
SKMV250H	1V250
SKMV250J	2V250
SKMV250K	524V25
SKMV480G	2V480
SKMV480H	524V48
SKN4F20/02	6007
SKN4F20/04	6009
SKN4F20/06	6011
SKN4F40/02	6007
SKN4F40/02UNF	6007
SKN4F40/04	6009
SKN4F40/04UNF	6009
SKN12/02	5875
SKN12/04	5879
SKN12/08	5887
SKN20/02	5917◆
SKN20/02UNF	5917◆
SKN20/04	5921◆
SKN20/04UNF	5921◆
SKN20/08	5929◆
SKN20/08UNF	5929◆
SKN25/02	5917
SKN25/04	5921
SKN25/08	5929
SKN26/02	5917
SKN26/02UNF	5917
SKN26/04	5921
SKN26/04UNF	5921
SKN26/08	5929
SKN26/08UNF	5929
SKN45/02	6027◆
SKN45/02UNF	6027◆
SKN45/04	6035◆
SKN45/04UNF	6035◆
SKN45/08	6043◆
SKN45/08UNF	6043◆
SKN50/02	6027
SKN50/04	6035
SKN50/08	6043
SKN70/02	6055◆
SKN70/02UNF	6055◆
SKN70/04	6061◆
SKN70/04UNF	6061◆
SKN70/08	6069◆
SKN70/08UNF	6069◆
SKN71/02	6055
SKN71/02UNF	6055
SKN71/04	6061
SKN71/04UNF	6061
SKN71/08	6069
SKN71/08UNF	6069
SKN100/02	432/6155
SKN100/02UNF	432/6155
SKN100/04	432/6155
SKN100/04UNF	432/6155
SKN100/08	432/6159
SKN100/08UNF	432/6159
SKN100/12UNF	6163/432
SKN100/14UNF	6163/432
SKN130/02	432/6155
SKN130/02UNF	432/6155
SKN130/04	432/6155
SKN130/04UNF	432/6155
SKN130/08	432/6159
SKN130/08UNF	432/6159
SKN130/12UNF	6163/432
SKN130/14UNF	6163/432
SKN140/04	6105
SKN170/02	6355◆
SKN170/02UNF	6355
SKN170/04	6355◆
SKN170/04R	6355
SKN170/04UNF	6355
SKN170/08	6359‡
SKN170/08R	6359
SKN170/08UNF	6359
SKN240/02	6107
SKN240/02UNF	6107
SKN240/04	6107
SKN240/04UNF	6107
SKN240/08	6107
SKN240/08UNF	6107
SKN240/12	6363◆
SKN240/12UNF	6107
SKN240/14	6363◆
SKN240/14UNF	6107
SKN240/16	6107
SKN240/16UNF	6107
SKN320/02	6107
SKN320/02UNF	6107
SKN320/04	6107
SKN320/04UNF	6107
SKN320/08	6107
SKN320/08UNF	6107
SKN320/12	6107
SKN320/12UNF	6107
SKN320/14	6107
SKN320/14UNF	6107
SKN320/16	6107‡
SKN320/16UNF	6107
SKN500/02	6110
SKN500/04	6110
SKN500/08	6112
SKN500/12	6112
SKN870/04	6113◆
SKN870/12	6115◆
SKN1500/04	6113◆
SKN1500/12	6115◆
SKN2000/06	6116◆
SKN2000/12	6118◆
SKN24016	6107
SKR4F20/02	6006
SKR4F20/04	6008
SKR4F20/06	6010
SKR12/02	5874
SKR12/04	5878
SKR12/08	5886
SKR20/02	5916◆
SKR20/02UNF	5916◆
SKR20/04	5920◆
SKR20/04UNF	5920◆
SKR20/08	5928◆
SKR20/08UNF	5928◆
SKR25/02	5916
SKR25/04	5920
SKR25/08	5928
SKR26/02	5916
SKR26/02UNF	5916
SKR26/04	5920
SKR26/04UNF	5920
SKR26/08	5928
SKR26/08UNF	5928
SKR45/02	6026◆
SKR45/02UNF	6026◆
SKR45/04	6034◆
SKR45/04UNF	6034◆
SKR45/08	6042◆
SKR45/08UNF	6042◆
SKR50/02	6026
SKR50/04	6034
SKR50/08	6042
SKR70/02UNF	6054◆
SKR70/04	6060◆
SKR70/04UNF	6060◆
SKR70/08	6068◆
SKR70/08UNF	6068◆
SKR71/02	6054
SKR71/02UNF	6054
SKR71/04	6060
SKR71/04UNF	6060
SKR71/08	6068
SKR71/08UNF	6068
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SKR100/04	432/6154
SKR100/04UNF	432/6154
SKR100/08	432/6158
SKR100/08UNF	432/6158
SKR100/12	432/6162
SKR100/14UNF	432/6162
SKR130/02	432/6154
SKR130/02UNF	432/6154
SKR130/04	432/6154
SKR130/04UNF	432/6154
SKR130/08	432/6158
SKR130/08UNF	432/6158
SKR130/12UNF	432/6162
SKR130/14UNF	432/6162
SKR170/02	6354◆
SKR170/02UNF	6354
SKR170/04	6354◆
SKR170/04UNF	6354
SKR170/08	6358‡
SKR170/08UNF	6358
SKR240/02	6106
SKR240/02UNF	6106
SKR240/04	6106
SKR240/04UNF	6106
SKR240/08	6106
SKR240/08UNF	6106
SKR240/12	6362◆
SKR240/12UNF	6106
SKR240/14	6362◆
SKR240/14UNF	6106
SKR240/16	6106
SKR240/16UNF	6106
SKR320/02	6106
SKR320/02UNF	6106
SKR320/04	6106
SKR320/04UNF	6106
SKR320/08	6106
SKR320/08UNF	6106
SKR320/12	6106
SKR320/12UNF	6106
SKR320/14	6106
SKR320/14UNF	6106
SKR320/16	6106
SKS1/01	125
SKS1/04	125
SKS1/08	125
SKT16/02C	5543
SKT16/02CUNF	5543
SKT16/04C	5545
SKT16/04CUNF	5545
SKT16/06C	5547
SKT16/06CUNF	5547
SKT16/08C	5548
SKT16/08CUNF	5548
SKT24/02C	5543
SKT24/02CUNF	5543
SKT24/02M	5567
SKT24/02UNF	5567
SKT24/04C	5545
SKT24/04CUNF	5545
SKT24/04M	5568
SKT24/04UNF	5568
SKT24/06C	5547
SKT24/06CUNF	5547
SKT24/06M	5568
SKT24/06UNF	5568
SKT24/08C	5548
SKT24/08CUNF	5548
SKT24/08M	5569
SKT24/08UNF	5569
SKT24/10M	5569
SKT24/10UNF	5569
SKT24/12M	5569
SKT24/12UNF	5569
SKT40/02M	5567
SKT40/02UNF	5567
SKT40/04M	5568
SKT40/04UNF	5568
SKT40/06M	5568
SKT40/06UNF	5568
SKT40/08M	5569
SKT40/08UNF	5569
SKT40/10M	5569
SKT40/10UNF	5569
SKT40/12M	5569
SKT40/12UNF	5569
SKT55/02	5570
SKT55/02C	432/5570
SKT55/02CUNF	432/5570
SKT55/04	5572
SKT55/04C	5572/432
SKT55/04CUNF	5572/432
SKT55/06	5572
SKT55/06C	5572/432
SKT55/06CUNF	5572/432
SKT55/08	5574
SKT55/08C	432/5574
SKT55/08CUNF	432/5574
SKT55/10	5574
SKT55/10C	432/5574
SKT55/10CUNF	432/5574
SKT55/12	5574
SKT55/12C	432/5574
SKT55/12CUNF	432/5574
SKT80/02	5570
SKT80/02C	432/5570
SKT80/02CUNF	432/5570
SKT80/04	5572
SKT80/04C	5572/432
SKT80/04CUNF	432/5574
SKT80/06	5572
SKT80/06C	5572/432
SKT80/06CUNF	5572/432
SKT80/08	5574
SKT80/08C	432/5574
SKT80/08CUNF	432/5574
SKT80/10	5574
SKT80/10C	432/5574
SKT80/10CUNF	432/5574
SKT80/12	5574
SKT80/12CUNF	432/5574
SKT130/02C	5580
SKT130/02CUNF	5580
SKT130/04C	5582
SKT130/04CUNF	5582
SKT130/06C	5582
SKT130/06CUNF	5582
SKT130/08C	5584
SKT130/08CUNF	5584
SKT130/10C	5584
SKT130/10CUNF	5584
SKT130/12C	5584
SKT130/12CUNF	5584
SKT160/02C	5580
SKT160/02CUNF	5580
SKT160/04C	5582
SKT160/04CUNF	5582
SKT160/06C	5582
SKT160/06CUNF	5582
SKT160/08C	5584
SKT160/08CUNF	5584
SKT160/10C	5584
SKT160/10CUNF	5584
SKT160/12C	5584
SKT160/12CUNF	5584
SKT215/02C	5587◆
SKT215/02CUNF	5587◆
SKT215/04C	5587◆
SKT215/04CUNF	5587◆
SKT215/06C	5587◆
SKT215/06CUNF	5587◆
SKT215/08C	5589◆
SKT215/08CUNF	5589◆
SKT215/10C	5589◆
SKT215/10CUNF	5589◆
SKT215/12C	5589◆
SKT215/12CUNF	5589◆
SKT230/02C	5590
SKT230/04C	5591
SKT230/06C	5591
SKT230/08C	5592
SKT230/10C	5592
SKT230/12C	5592
SKT250/02C	5587◆
SKT250/02CUNF	5587◆
SKT250/04C	5587◆
SKT250/04CUNF	5587◆
SKT250/06C	5587◆
SKT250/06CUNF	5587◆
SKT250/08C	5589◆
SKT250/08CUNF	5589◆
SKT250/10C	5589◆
SKT250/10CUNF	5589◆
SKT250/12C	5589◆
SKT250/12CUNF	5589◆
SKT250/40C	5587
SKT300/02C	5587◆
SKT300/02CUNF	5587◆
SKT300/04C	5587◆
SKT300/04CUNF	5587◆
SKT300/06C	5587◆
SKT300/06CUNF	5587◆
SKT300/08C	5589◆
SKT300/08CUNF	5589◆
SKT300/10C	5589◆
SKT300/10CUNF	5589◆
SKT300/12C	5589◆
SKT300/12CUNF	5589◆
SKT450/02C	5594
SKT450/04C	5595
SKT450/06C	5595
SKT450/08C	5596
SKT450/10C	5596
SKT450/12C	5596
SKT1000/04C	5598
SKT1000/06C	5598
SKT1000/08C	5599
SKT1000/10C	5599
SKT1000/12C	5599
SKU10/05	5637
SKU10/06	5637
SKU12/06	5667A
SKU12/08	5668A
SKU15/05	56006
SKU15/06	56006
SKU25/06UNF	5687
SKU25/08UNF	5687
SKU30/04	5695
SKU30/05	5697
SKU30/06	5697
SKVT7504	815
SKWHG7006	159
SL-030	116
SL030/3490	116
SL030S	116
SL030T	116
SL-030T	116
SL051A	5940
SL01640	9914
SL02518	9900
SL02519	9914
SL02734	9914
SL02779	9914
SL02781	OBS-NLA
SL03019	9914
SL03021	OBS-NLA
SL03667	9913
SL03911	9949
SL03912	9961
SL03913	9963
SL03914	9932
SL03915	9944
SL03916	9937
SL03917	9951
SL04194	9910
SL04217	9900
SL04218	9914
SL04563	9930
SL04567	9936
SL04568	9932
SL04570	9951
SL04732	9914
SL07040	909
SL07055	909
SL07059	OBS-NLA
SL07682	716
SL07684	910
SL08058	703
SL08066	909
SL08797	941D
SL-2	116
SL2	116
SL-3	116
SL3	5878
SL-4	116
SL5	116
SL-5	5802
SL10	5890
SL50	5870
SL91	116
SL92	116
SL93	116
SL-100	108
SL100	108
SL-103	5802
SL103	116
SL200	106
SL201	106
SL300	123A
SL301C	128
SL301CE	128
SL400	5878
SL490	1755
SL500	5882
SL600	5882
SL608	125
SL610	125
SL708	125
SL710	125
SL800	5886
SL800X	5886
SL-833	116
SL833	116
SL833A	116
SL-833A	116
SL1000	5890
SL1000X	5890
SL1626(DIGITAL)	74161
SL3045DG	912
SL3045DP	912
SL3046DG	912
SL3046DP	912
SL3081	916
SL3081DG	916
SL3081DP	916
SL3082	2023
SL3086DG	912
SL3086DP	912
SL3101	129
SL3111	129
SL3426	5160A
SL7059	703
SL7283	703
SL7308	703
SL7531	703
SL7593	703
SL7790	703
SL7990	123A
SL8020	703
SL8995	923
SL11877	9930
SL11878	9936
SL11879	9946
SL11880	9948
SL11881	9962
SL14959	74H10
SL14960	74H11
SL14971	7408
SL14972	7438
SL16121	OBS-NLA
SL16122	9910
SL16201	9930
SL16203	9951
SL16204	9946
SL16206	9932
SL16208	9937
SL16209	9099
SL16210	9936
SL16211	9945
SL16212	9962
SL16215	9944
SL16216	9949
SL16218	9963
SL16516	9930
SL16517	9933
SL16518	9936
SL16519	9946
SL16520	9962
SL16521	9945
SL16522	9099
SL16584	9930
SL16585	9931
SL16586	9932
SL16587	9936
SL16588	9945
SL16589	9946
SL16590	9948
SL16591	9962
SL16793	7400
SL16794	7401
SL16795	7402
SL16796	7404
SL16797	7405
SL16798	7408
SL16799	7411
SL16800	7420
SL16801	7410
SL16802	7430
SL16803	7440
SL16804	7450
SL16805	7453
SL16806	7473
SL16807	7474
SL16808	7476
SL16809	7492
SL16810	7496
SL16811	9944
SL17242	7473
SL17284	9932
SL17289	9936
SL17869	7408
SL17887	7411
SL18386	7483
SL18387	74107
SL18699	9911
SL20575	703
SL20721	705A
SL20755	713
SL20783	923
SL20927	909
SL20929	941
SL21017	715
SL21122	714
SL21384	915
SL21385	923D
SL21436	910
SL21441	707
SL21577	915
SL21584	949
SL21619	923
SL21654	712
SL21673	941
SL21823	910
SL21829	911
SL21864	722
SL21885	923
SL21895	703
SL21923	909
SL22044	911
SL22108	725
SL22109	712
SL22110	714
SL22111	715
SL22112	790
SL22211	725
SL22273	912
SL22310	923D
SL22348	925
SL22623	912
SL22745	941M
SL22756	718
SL22757	722
SL22819	703
SL22935	923D
SL23059	941M
SL23109	941
SL23111	941M
SL23145	722
SL23147	712
SL23252	941M
SL23256	912
SL23296	923
SL23297	911
SL23299	736
SL23324	909
SL23325	923D
SL23326	941D
SL23347	949
SL23418	705A
SL23421	703
SL23422	910
SL23423	911
SL23424	725
SL23425	949
SL23426	722
SL23482	909
SL23485	923
SL23486	941
SL23496	941M
SL23546	923
SL23560	705A
SL23648	723
SL23649	781
SL23829	912
SL23903	790
SL23904	714
SL23905	715
SL23985	725
SL24618	OBS-NLA
SL24898	707
SL25420	955M
SL25529	309K
SL42327	4085B
SL53424	9930
SL53425	9932
SL53426	9935
SL53427	9936
SL53428	9944
SL53429	9946
SL53431	7401
SL56908	9900
SL56909	9903
SL56910	9904
SL56911	9905
SL56912	9906
SL56913	9907
SL56914	9908
SL56915	9909
SL56916	9910
SL56920	9915
SL56924	9974§
SL56925	9911
SL56926	9109
SL56927	9110§
SL56928	9111
SL56929	9112§
SL56930	9930
SL56931	9931
SL56932	9932
SL56933	9933
SL56934	9935
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SL56936	9937
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SL56947	9963
SL56948	9800
SL56949	9801
SL56950	9802
SL56951	9803
SL56952	9804
SL56962	9814
SL56963	9093
SL56964	9094
SL56965	9097
SL56966	9099
SL56967	9135
SL56968	9157
SL56969	9158
SL57258	OBS-NLA
SL57301	7400
SL57302	7401
SL57303	7402
SL57304	7403
SL57305	7404
SL57306	7405
SL57307	7406
SL57308	7407
SL57311	7410
SL57312	7411
SL57313	7412
SL57314	7413
SL57315	7416
SL57316	7417
SL57317	7420

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
SL57318	7423
SL57319	7425
SL57320	7426
SL57321	7427
SL57322	7430
SL57323	7432
SL57324	7437
SL57325	7438
SL57326	7439
SL57327	7440
SL57328	7441
SL57329	7442
SL57330	7443
SL57331	7444
SL57332	7445
SL57333	7446
SL57334	7447
SL57336	7450
SL57337	7451
SL57338	7453
SL57339	7454
SL57340	7460
SL57341	7470
SL57342	7472
SL57344	7474
SL57345	7475
SL57346	7476
SL57347	7480
SL57348	7482
SL57349	7483
SL57350	7485
SL57351	7486
SL57352	7490
SL57353	7491
SL57354	7492
SL57356	7494
SL57358	7496
SL57359	74107
SL57360	74121
SL57361	74122
SL57364	74150
SL57365	74151
SL57366	74152
SL57367	74153
SL57368	74155
SL57369	74156
SL57370	74164
SL57371	74165
SL57372	74166
SL57373	74174
SL57374	74175
SL57375	74176
SL57376	74177
SL57377	74178
SL57378	74179
SL57379	74180
SL57380	74181
SL57381	74182
SL57382	74190
SL57383	74191
SL57384	74192
SL57385	74193
SL57386	74196
SL57387	74197
SL57388	74198
SL57389	74199
SL58003	74H00
SL58004	74H01
SL58005	74H04
SL58006	74H05
SL58007	74H08
SL58008	74H10
SL58009	74H11
SL58010	74H20
SL58011	74H21
SL58012	74H22
SL58013	74H30
SL58014	74H40
SL58015	74H50
SL58016	74H51
SL58017	74H52
SL58018	74H53
SL58019	74H54
SL58020	74H55
SL58021	74H60
SL58022	74H61
SL58023	74H62
SL58024	74H71
SL58025	74H72
SL58026	74H73
SL58027	74H74
SL58028	74H76
SL58029	74H78
SL58030	74H103
SL58031	74H106
SL58032	74H108
SL58033	74H183
SL58034	74S00
SL58035	74S03
SL58036	74S04
SL58037	74S05
SL58039	74S11
SL58040	74S15
SL58041	74S20
SL58042	74S22
SL58043	74S40
SL58044	74S64
SL58045	74S65
SL58046	74S74
SL58047	74S112
SL58048	74S113
SL58049	74S114
SL58050	74S133
SL58051	74S134
SL58052	74S140
SL58053	74S153
SL58054	74S157
SL58055	74S158
SL58056	74S175
SL58057	74S194
SL58058	74S258
SL58233	7414
SL58234	74123
SL58235	74154
SL58236	74160
SL58237	74161
SL58238	74162
SL58239	74163
SL58240	74195
SL58241	74S02
SL58242	74S08
SL58243	74S09
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SN74S454	74S454
SN74S454J	74S454
SN74S454N	74S454
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SN84H183N	74H183◆
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SN167	128
SN238S	749
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SN713A	3052
SN714	3065
SN716	3056
SN962-2M	9962
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SN7492A	7492
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SN7493A	7493A
SN7493AN	7493A
SN7493N	7493A
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SN7495AN	7495
SN7496N	7496
SN7497N	7497
SN7545ZB	75452B
SN7610N-07	722
SN7611N	722
SN7642N	714
SN7666	712
SN7666N	712
SN8400N	7400◆
SN8401N	7401◆
SN8402N	7402◆
SN8403N	7403◆
SN8404N	7404◆
SN8405N	7405◆
SN8406N	7406◆
SN8407N	7407◆
SN8408N	7408◆
SN8409N	7409◆
SN8410N	7410◆
SN8412N	7412◆
SN8413N	7413◆
SN8414N	7414◆
SN8416N	7416◆
SN8417N	7417◆
SN8420N	7420◆
SN8422N	7422◆
SN8423N	7423◆
SN8425N	7425◆
SN8426N	7426◆
SN8427N	7427◆
SN8428N	7428◆
SN8430N	7430◆
SN8432N	7432◆
SN8433N	7433◆
SN8437N	7437◆
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SN8439N	7439◆
SN8440N	7440◆
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SN8444N	7444◆
SN8445N	7445◆
SN8446AN	7446◆
SN8446N	7446◆
SN8447AN	7447◆
SN8447N	7447◆
SN8448N	7448◆
SN8450N	7450◆
SN8451N	7451◆
SN8453N	7453◆
SN8454N	7454◆
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SN8470N	7470◆
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SN8475N	7475◆
SN8476N	7476◆
SN8480N	7480◆
SN8481AN	7481◆
SN8482N	7482◆
SN8483N	7483◆
SN8485N	7485◆
SN8486N	7486◆
SN8489N	7489◆
SN8490AN	7490◆
SN8491AN	7491◆
SN8492AN	7492◆
SN8493AN	7493A◆
SN8494N	7494◆
SN8495AN	7495◆
SN8496N	7496◆
SN14321	9321
SN15301	9301
SN15301J	9301
SN15301N	9301
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SN15325J	9325
SN15325N	9325
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SN15326J	9326
SN15326N	9326
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SN15331J	9331
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SN15846J	9946
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SN15848J	9948
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SN15849J	9949
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SN15850J	9950
SN15850N	9950
SN15851J	9951
SN15851N	9951
SN15857J	9157
SN15857N	9157
SN15858J	9158
SN15858N	9158
SN15861J	9961
SN15861N	9961
SN15862J	9962
SN15862N	9962
SN15863J	9963
SN15863N	9963

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
SN28250N	8250§
SN29308J	8308
SN29308N	8308
SN29318J	8318
SN29318N	8318
SN38233N	8233
SN38234N	8234
SN38235N	8235
SN38266N	8266
SN39308J	8308◆
SN39308N	8308◆
SN39318J	8318◆
SN52301	975
SN55115J	9615
SN56514	872
SN72301	975
SN72301AL	1171
SN72301AP	975
SN72307	976
SN72307P	976
SN72471P	941M
SN72555JG	955M
SN72555JP	955M
SN72555P	955M
SN72558	778A
SN72558JG	778A
SN72558P	778A
SN72709J	909D
SN72709L	909
SN72709N	909D
SN72710J	910D
SN72710L	910
SN72710N	910D
SN72711J	911D
SN72711L	911
SN72711N	911D
SN72723J	923D
SN72723L	923
SN72723N	923D
SN72733J	927D
SN72733L	927
SN72733N	927D
SN72741J	941D
SN72741JG	941M
SN72741L	941
SN72741N	941D
SN72741P	941M
SN72747J	947D
SN72747JA	947D
SN72747L	947
SN72747N	947D
SN72748JG	975
SN72748L	1171
SN72748P	975
SN72905	961
SN72906	963
SN72912	967
SN72915	969
SN72924	972
SN74107N	74107
SN74109	74109
SN74109N	74109
SN74110	74110
SN74110N	74110
SN74111	74111
SN74111N	74111
SN74116	8308
SN74116N	8308
SN74121N	74121
SN74122N	74122
SN74123	74123
SN74123N	74123
SN74125	74125
SN74125N	74125
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SN74126N	74126
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SN74128N	74128
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SN74153N	74153
SN74154N	74154
SN74155N	74155
SN74156N	74156
SN74157	74157
SN74157J	74157
SN74157N	74157
SN74157SJ	74157
SN74158SJ	74158
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SN74177N	74177
SN74178N	74178
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SN74180N	74180
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SN74182N	74182
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SN74197N	74197
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SN74290	74290
SN74290J	74290
SN74290N	74290
SN74290SJ	74290
SN74293	74293
SN74293J	74293
SN74293N	74293
SN74293SJ	74293
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SN74365A	74365
SN74365AJ	74365
SN74365AN	74365
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SN74365SJ	74365
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SPS3786A	159
SPS3787	107
SPS3900	123A
SPS3907	123A
SPS3908	123A
SPS3909	123A
SPS3912	128
SPS3914	128
SPS3915	123A
SPS3923	123A
SPS3924	159
SPS3924A	159
SPS3925	123A
SPS3926	123A
SPS3927	159
SPS3927A	159
SPS3929	108
SPS3930	123A
SPS3931	159
SPS3931A	159
SPS3936	123A
SPS3937	108
SPS3938	123A
SPS3940	123A
SPS3948	108
SPS3951	123A
SPS3952	108
SPS3957C	123A
SPS3967	123A
SPS3968	108
SPS3971	108
SPS3972	123A
SPS3973	123A
SPS3987	159
SPS3988	159
SPS3988A	159
SPS3990	159
SPS3990A	159
SPS3999	123A
SPS4002	108
SPS4003	123A
SPS4004	123A
SPS4005	108
SPS4006	123A
SPS4007	159
SPS4007A	159
SPS4008	108
SPS4009	123A
SPS4010	129
SPS4013	159
SPS4013A	159
SPS4014	159
SPS4014A	159
SPS4016	108
SPS4017	123A
SPS4018	159
SPS4018A	159
SPS4019	159
SPS4019A	159
SPS4020	123A
SPS4025	159
SPS4025A	159
SPS4026	159
SPS4026A	159
SPS4027	159
SPS4027A	159
SPS4028	159
SPS4028A	159
SPS4029	123A
SPS4030	108
SPS4031	159
SPS4031A	159
SPS4032	123A
SPS4034	123A
SPS4035	123AP
SPS4036	123AP
SPS4037	123AP
SPS4038	123AP
SPS4039	123A
SPS4040	123A
SPS4041	123A
SPS4042	123A
SPS4043	108
SPS4044	123A
SPS4045	123A
SPS4049	123A
SPS4050	108
SPS4051	108
SPS4052	123A
SPS4053	123A
SPS4054	159
SPS4054A	159
SPS4055	123A
SPS4056	159
SPS4056A	159
SPS4059	123A
SPS4060	123A
SPS4061	123A
SPS4062	123A
SPS4063	123A
SPS4064	159
SPS4064A	159
SPS4066	123A
SPS4067	123A
SPS4068	108
SPS4069	123A
SPS4072	159
SPS4072A	159
SPS4073	159
SPS4073A	159
SPS4074	123A
SPS4075	123A
SPS-4075	123A
SPS4076	159
SPS-4076	129
SPS4076A	159
SPS4077	123A
SPS-4077	128
SPS4078	159
SPS-4078	129
SPS4078A	159
SPS4079	108
SPS4080	108
SPS4081	123A
SPS4082	159
SPS4082A	159
SPS4083	123A
SPS4084	123A
SPS4085	123A
SPS4086	159
SPS4086A	159
SPS4087	159
SPS4087A	159
SPS4088	123A
SPS4089	123A
SPS4090	159
SPS4090A	159
SPS4091	108
SPS4092	211
SPS4095	123A
SPS4099	189
SPS4143	107
SPS-4145	229
SPS4145	229
SPS4167	108
SPS4168	107
SPS4169	123A
SPS4199	123A
SPS4237	185
SPS4272	199
SPS4300	128
SPS4301	129
SPS4302	159
SPS4303	123A
SPS4309	128
SPS4310	129
SPS4311	128
SPS4312	129
SPS4313	123A
SPS4314	159
SPS4314A	159
SPS4343	161
SPS4345	123A
SPS4347	123A
SPS4348	159
SPS4348A	159
SPS4354	159
SPS4354A	159
SPS4355	159
SPS4356	123A
SPS4357	159
SPS4359	123A
SPS4360	123A
SPS4361	128
SPS4363	123A
SPS4365	159
SPS4365A	159
SPS4367	123A
SPS4368	123A
SPS4382	123A
SPS4399	108
SPS4423	108
SPS4446	123A
SPS4450	123A
SPS4451	123A
SPS4452	159
SPS4452A	159
SPS4453	123A
SPS4455	123A
SPS4456	123A
SPS4457	123A
SPS4458	159
SPS4458A	159
SPS4459	123A
SPS4460	159
SPS4460A	159
SPS4461	128
SPS4462	129
SPS4472	123A
SPS4473	159
SPS4473A	159
SPS4476	123A
SPS4477	129
SPS4478	123A
SPS4480	159
SPS4480A	159
SPS4489	159
SPS4489A	159
SPS4490	128
SPS4491	123A
SPS4492	129
SPS4493	123A
SPS4494	123A
SPS4495	128
SPS4497	129
SPS4610	108
SPS4813	159
SPS4814	199
SPS4815	159
SPS4920	123A
SPS4942	123A
SPS5000	123A
SPS5006	123A
SPS5006-1	123A
SPS5006-2	123A
SPS5007	159
SPS5007-1	159
SPS5007-1A	159
SPS5007-2	159
SPS5007-2A	159
SPS5007A	159
SPS5008	159
SPS5159	123AP
SPS5450	194
SPS5450S	194
SPS5451	292
SPS5457	123A
SPS5458	159
SPS5556	123AP
SPS5679K	159
SPS5809	128
SPS6109	159
SPS6109A	159
SPS6111	123A
SPS6112	123A
SPS6113	123A
SPS6124	128
SPS6125	129
SPS6208	159
SPS6571	123A
SPS6607	123AP
SPS6608	159
SPS6682	108
SPS-6682	229
SPS6700	288
SPS6709	123A
SPS6712	159
SPS6713	194
SPS6714	123A
SPS6723	154
SPS7127	229
SPS7314	108
SPS7353	229
SPS7359	123AP
SPS7378	123
SPS7497	188
SPS7652	123A
SPS7867	123AP
SPS-7976	229
SPT06	5673
SPT08	5673
SPT010	5673
SPT010A	5673
SPT010AB	5673
SPT010B	5673
SPT010BC	5673
SPT015	5673
SPT015A	5673
SPT015AB	5673
SPT015B	5673
SPT015BC	5673
SPT015C	5673
SPT025	5681
SPT025A	5681
SPT025AB	5681
SPT025B	5681
SPT025BC	5681
SPT025C	5681
SPT030	5693
SPT030A	5693
SPT030AB	5693
SPT030B	5693
SPT030BC	5693
SPT030C	5693
SPT040	5693
SPT040A	5693
SPT040AB	5693
SPT040B	5693
SPT040BC	5693
SPT040C	5693
SPT16	5673
SPT18	5673
SPT26	5673
SPT28	5673
SPT36	5675
SPT38	5675
SPT46	5675
SPT48	5675
SPT56	5677
SPT58	5677
SPT66	5677
SPT68	5677
SPT110	5673
SPT110A	5673
SPT110AB	5673
SPT110B	5673
SPT110BC	5673
SPT110C	5673
SPT115	5673
SPT115A	5673
SPT115AB	5673
SPT115B	5673
SPT115BC	5673
SPT115C	5673
SPT125	5682
SPT125A	5682
SPT125AB	5682
SPT125B	5682
SPT125BC	5682
SPT125C	5682
SPT130	5693
SPT130A	5693
SPT130AB	5693
SPT130B	5693
SPT130BC	5693
SPT130C	5693
SPT140	5693
SPT140A	5693
SPT140AB	5693
SPT140B	5693
SPT140BC	5693
SPT140C	5693
SPT210	5673
SPT210A	5673
SPT210AB	5673
SPT210B	5673
SPT210BC	5673
SPT210C	5673
SPT215	5673
SPT215A	5673
SPT215AB	5673
SPT215B	5673
SPT215BC	5673
SPT215C	5673
SPT225	5683
SPT225A	5683
SPT225AB	5683
SPT225B	5683
SPT225BC	5683
SPT225C	5683
SPT230	5693
SPT230A	5693
SPT230AB	5693
SPT230B	5693
SPT230BC	5693
SPT230C	5693
SPT240	5693
SPT240A	5693
SPT240AB	5693
SPT240B	5693
SPT240BC	5693
SPT240C	5693
SPT310	5675
SPT310A	5675
SPT310AB	5675
SPT310B	5675
SPT310BC	5675
SPT310C	5675
SPT315	5675
SPT315A	5675
SPT315AB	5675
SPT315B	5675
SPT315BC	5675
SPT315C	5675
SPT325	5685
SPT325A	5685
SPT325AB	5685
SPT325B	5685
SPT325BC	5685
SPT325C	5685
SPT330	5695
SPT330A	5695
SPT330AB	5695
SPT330B	5695
SPT330BC	5695
SPT330C	5695
SPT340	5695
SPT340A	5695
SPT340AB	5695
SPT340B	5695
SPT340BC	5695
SPT340C	5695
SPT410	5675
SPT410A	5675
SPT410AB	5675
SPT410B	5675
SPT410BC	5675
SPT410C	5675
SPT415	5675
SPT415A	5675
SPT415AB	5675
SPT415B	5675
SPT415BC	5675
SPT415C	5675
SPT425	5685
SPT425A	5685
SPT425AB	5685
SPT425B	5685
SPT425BC	5685
SPT425C	5685
SPT430	5695
SPT430A	5695
SPT430AB	5695
SPT430B	5695
SPT430BC	5695
SPT430C	5695
SPT440	5695
SPT440A	5695
SPT440AB	5695
SPT440B	5695
SPT440BC	5695
SPT440C	5695
SPT510	5677
SPT510A	5677
SPT510AB	5677
SPT510B	5677
SPT510BC	5677
SPT510C	5677
SPT515	5677
SPT515A	5677
SPT515AB	5677
SPT515B	5677
SPT515BC	5677
SPT515C	5677
SPT525	5687
SPT525A	5687
SPT525AB	5687
SPT525B	5687
SPT525BC	5687
SPT525C	5687
SPT530	5697
SPT530A	5697
SPT530AB	5697
SPT530B	5697
SPT530BC	5697
SPT530C	5697
SPT540	5697
SPT540A	5697
SPT540AB	5697
SPT540B	5697
SPT540BC	5697
SPT540C	5697
SPT610	5677
SPT610A	5677
SPT610AB	5677
SPT610B	5677
SPT610BC	5677
SPT610C	5677
SPT615	5677
SPT615A	5677
SPT615AB	5677
SPT615B	5677
SPT615BC	5677
SPT615C	5677
SPT625	5697
SPT625A	5687
SPT625AB	5687
SPT625B	5687
SPT625BC	5687
SPT625C	5687
SPT630	5697
SPT630A	5697
SPT630AB	5697
SPT630B	5697
SPT630BC	5697
SPT630C	5697
SPT640	5697
SPT640A	5697
SPT640AB	5697
SPT640B	5697
SPT640BC	5697
SPT640C	5697
SPT3440	198
SPT3713	130
SPT5303	181
SPX2E	3041
SPX6	3041
SPX26	3041
SPX-26	3042
SPX33	3041
SPX35	3041
SPX53	3041
SPX103	3041
SPX7110	3040
SPX7130	3040◆
SPX7150	3041
SPX7270	3040◆
SPX7271	3040◆
SPX7272	3041
SPX7273	3041
SPX7530	3040◆
SPX7550	3040◆
SPX7590	3041◆
SQ7	101
SQ-7	103A
SQ46	109
SQ1220	610
SQ1220A	610

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
SQ1224	611
SQ1224A	611
SQ1226	612
SQ1226A	612
SQ1234A	613
SQ1238	614
SQ1238A	614
SQ1270	610
SQ1270A	610
SQ1274	611
SQ1274A	611
SQ1276	612
SQ1276A	612
SQ1284A	613
SQ1288	614
SQ1288A	614
SQ1720	610
SQ1724	611
SQ1724A	611
SQ1726	612
SQ1726A	612
SQ1734	613
SQ1738	614
SQ5461A	610
SQ5463A	611
SQ5464A	612
SQ5468A	613
SQ5470A	614
SQD-2170	123
SR0004	178MP
SR-0004	113A
SR05K-2	116
SR-05K-2	116
SR1	102A
SR-1	116
SR1A-1	116
SR1A1	116
SR1A2	116
SR1A-2	116
SR1A-4	116
SR1A4	116
SR1A-8	116
SR1A8	116
SR1A-12	117A
SR1A12	116
SR1B	166
SR1D1M	116
SR1DM	116
SR1DM1	116
SR1DM-1	116
SR1DM-2	5800
SR1DM-4	116
SR1DMX	116
SR1E	116
SR1EM	116
SR1EM1	116
SR1EM-1	116
SR1EM-2	116
SR1EM2	116
SR1EM-4	156
SR1EM-X	116
SR1FM	116
SR1FM-1	116
SR1FM2	116
SR1FM-2	506
SR1FM4	116
SR1FM-4	116
SR1FM6	116
SR1FM8	116
SR1FM10	116
SR1FM12	116
SR1FM-12	125
SR1FM16	125
SR1FM20	125
SR1FMA	116
SR1HM-2	506
SR1HM-4	506
SR1HM-8	552
SR1HM-12	558
SR1HM-16	506
SR1K	116
SR-1K	116
SR1K-0	116
SR-1K0	116
SR1K-04	116
SR1K08	116
SR1K1	116
SR-1K-1	116
SR1K-1K	116
SR-1K-2	116
SR1K-2	116
SR1-K2	116
SR1K2	116
SR-1K2	116
SR1K-2/494	116
SR-1K-2A	125
SR-1K-2B	125
SR-1K-2C	125
SR-1K-2D	125
SR1K4	116
SR1K-4	116
SR-1K-4	116
SR1K8	116
SR1K-8	116
SR1K/494	116
SR1K-Z	116
SR-1R-0	116
SR1T	116
SR1Z	116
SR-1Z	116
SR-2	125
SR2A-1	116
SR2A1	116
SR2A-2	116
SR2A2	116
SR2A4	116
SR2A-4	116
SR2A8	116
SR2A-8	125
SR2A12	116
SR2A-12	125
SR2B-1	5830
SR2B-2	5834
SR2B-4	5834
SR2B-6	5838
SR2B-8	5838
SR2B12	156
SR2B-12	5842
SR2B-16	5846
SR2B16	156
SR2B20	156
SR2B-20	5848
SR2C-1	5830
SR2C-2	5834
SR2C-4	5834
SR2C-6	5838
SR2C-8	5838
SR2C-12	5842
SR2C-16	5846
SR2C-20	5848
SR2K	552
SR3	116
SR-3	116
SR3AM	125
SR3AM1	5800
SR3AM-2	5801
SR3AM2	5801
SR3AM-3	5801
SR3AM4	5802
SR3AM-4	5802
SR3AM6	5804
SR3AM-6B	5804
SR3AM8	5804
SR3AM-8	5804
SR3AM10	5806
SR3AMB	125
SR3BM-6	116
SR4	116
SR-5	116
SR5	116
SR-5K	116
SR6	113A
SR10	114
SR10A-2R	5875
SR10A-2S	5874
SR10A-4R	5875
SR10A-4S	5874
SR10A-6R	5879
SR10A-6S	5878
SR10A-8R	5879
SR10A-8S	5878
SR10A-10R	5883
SR10A-10S	5882
SR10A-12R	5883
SR10A-12S	5882
SR10A-16R	5887
SR10A-16S	5886
SR10A-20R	5891
SR10A-20S	5890
SR10D1	5870
SR10D2	5874
SR10D-2R	5875
SR10D-2S	5874
SR10D4	5944
SR10D-4R	5875
SR10D-4S	5874
SR10D-6R	5879
SR10D-6S	5878
SR10D-8R	5879
SR10D-8S	5878
SR10D-10R	5883
SR10D-10S	5882
SR10D-12R	5883
SR10D-12S	5882
SR10D-16R	5887
SR10D-16S	5886
SR10D-20R	5891
SR10D-20S	5890
SR10F-1R	5963
SR10F-1S	5962
SR10F-2R	5963
SR10F-4R	5963
SR10F-4S	5962
SR10F-6R	5963
SR10F-6S	5962
SR10F-8R	5963
SR10F-8S	5962
SR10F-10R	5967
SR10F-10S	5966
SR10L-1R	5944
SR10L-1S	5940
SR10L-2R	5945
SR10L-2S	5944
SR10L-4R	5945
SR10L-6R	5949
SR10L-6S	5948
SR10L-8R	5949
SR10L-8S	5948
SR10L-10R	5953
SR10L-10S	5952
SR10L-45	5944
SR-13	178MP
SR13	113A
SR13H	116
SR-13H	116
SR14	114
SR-14	116
SR-15	506
SR15	114
SR16	117A
SR-16(Philco)	515
SR-17	116
SR17	116
SR17(CLAMP)	515
SR-17(Philco)	515
SR-18	116
SR18	5808
SR18V1E	1V010
SR18V2E	2V010
SR-20	178MP
SR20	113A
SR21	113A
SR-22	116
SR22	116
SR22V1E	1V014
SR22V2E	2V014
SR23	116
SR-23	116
SR-24	116
SR24	116
SR24V1E	1V015
SR24V2E	2V015
SR25	506
SR25B-2R	5983
SR25B-2S	5982
SR25B-4R	5987
SR25B-4S	5986
SR25B-6R	5989
SR25B-6S	5988
SR25B-8R	5991
SR25B-8S	5990
SR25B-10R	5993
SR25B-10S	5992
SR27	116
SR-27	116
SR27V1E	1V017
SR27V2E	2V017
SR28	116
SR-28	116
SR29	113A
SR30	116
SR-30	116
SR30A-8R	5991
SR30A-8S	5990
SR30A-12R	5995
SR30A-12S	5994
SR30A-16R	5999
SR30A-16S	5998
SR30A-20R	6003
SR30A-20S	6002
SR30B500-250	166
SR30C-2R	6007
SR30C-2S	6006
SR30C-4R	6007
SR30C-4S	6006
SR30C-6R	6009
SR30C-6S	6008
SR30C-8R	6009
SR30C-8S	6008
SR30C-12R	6011
SR30C-12S	6010
SR31	119
SR-31	119
SR-32	118
SR32	118
SR33V1E	1V020
SR33V2E	2V020
SR-34	177
SR35	116
SR-35	125
SR-37	120
SR37	120
SR39V1E	1V025
SR39V2E	2V025
SR40	116
SR47V1E	1V030
SR47V2E	2V030
SR50	116
SR50A-8R	6061
SR50A-8S	6060
SR50A-10R	6065
SR50A-10S	6064
SR50A-12R	6065
SR50A-12S	6064
SR50A-16R	6069
SR50A-16S	6068
SR50A-20R	6073
SR50A-20S	6072
SR56V1E	1V035
SR56V2E	2V035
SR60	116
SR68V1E	1V040
SR68V2E	2V040
SR70C-10	6065
SR70C-10S	6064
SR70C-12	6065
SR70C-12S	6064
SR70C-16	6069
SR70C-16S	6068
SR70C-20	6073
SR70C-20S	6072
SR76	116
SR82V1E	1V050
SR82V2E	2V050
SR100	116
SR-100	5802
SR-101-1	116
SR101-1	116
SR-101-2	116
SR101-2	116
SR101V1E	1V060
SR101V2E	2V060
SR102	585
SR103	585
SR103D	3025
SR-103D	519
SR-103D(LED)	3025
SR103W	3020
SR-103W	3020
SR104	585
SR105	116
SR105D	3007
SR-105D	3007
SR106D	3000
SR-106D	3000
SR-112	116
SR112	116
SR-114	5802
SR114	116
SR-120	116
SR120	116
SR-120-1	116
SR121V1E	1V075
SR121V2E	2V075
SR-130-1	116
SR130-1	108
SR130V1E	1V130
SR130V2E	2V130
SR-131-1	116
SR131-1	116
SR132-1	5800
SR-132-1	116
SR135-1	116
SR136	5800
SR-136	116
SR144	116
SR145	116
SR150	125
SR-150-01	116
SR-150-1	116
SR150V1E	1V150
SR150V2E	2V150
SR151	116
SR151V1E	1V095
SR151V2E	2V095
SR152	116
SR153	5940
SR154	156
SR180V1E	1V115
SR180V2E	2V115
SR200	116
SR200B	116
SR200PH-28R	6107
SR200PH-28S	6106
SR200PH-32R	6107
SR200PH-32S	6106
SR200PL-12R	6357
SR200PL-12S	6356
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ST-HIT9013H	123AP
ST-HIT9014C	123AP
ST-HIT9016G	229
STI-13007	2312
STIP10	323
STIP20	397
ST-JE9014C(EBC)	199
ST-JE9015C	159
STK0025	1320
STK-0025	1320
STK0029	1320
STK-0029	1320
STK-0029K	1320
STK0029K	1320
STK-0029N	1320
STK-0029NZ	1320
STK0029NZ	1320
STK0029P	1320
STK-0029P	1320
STK0030	1333
STK-0030	1333
STK0030GN	1333
STK0039	1282
STK-0039	1282
STK-0039K	1282
STK0039K	1282
STK-0039M	1282
STK0039M	1282
STK0039N	1280
STK-0039N	1280
STK-0039NT	1280
STK0039NT	1280
STK0039P	1282
STK-0039P	1282
STK0039U	1282
STK-0039U	1282
STK0040	1333
STK-0040	1333
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STK-0040AT	1333
STK0040BL	1333
STK0040K	1333
STK-0040K	1333
STK0040N	1279
STK-0040N	1279
STK0040VT	1333
STK-0040VT	1333
STK-0049	1321
STK0049	1321
STK-0050	1281
STK0050	1281
STK0050II	1334◆
STK-0050II	1334◆
STK00501I GN	1334◆
STK-0050AP	1281
STK0050AP	1281
STK-0050AT	1281
STK0050M	1281
STK-0050M	1281
STK0050N	1279
STK-0050N	1279
STK0050U	1281
STK-0050V	1281
STK0050V	1281
STK-0059	1321
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STK-0060	1346
STK0060	1346
STK0060II	1334
STK-0060II	1334
STK0060II BL	1334
STK0060GN	1346
STK-0070	1322
STK0070	1322
STK-0070II	1335
STK0070II	1335
STK0070II GN	1335
STK-0080	1322
STK0080	1322
STK-0080II	1335
STK0080II	1335
STK0080II BL	1335
STK-011	1024
STK011	1024
STK-013	1212
STK013	1212
STK-014	1252
STK014	1252
STK015	1027
STK-015	1027
STK-016	1323
STK016	1323
STK018	1139
STK-018	1139
STK020	1025
STK-020	1025
STK020B	1025
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STK020D	1025
STK-020D	1025
STK-020E	1025
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STK-020F	1025
STK020F	1025
STK020K	1025
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STK-020L	1025
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STK-022	1090
STK-024	1332
STK025	1090
STK-025	1090
STK-025G	1090
STK025G	1090
STK-027	1274§
STK027	1274§
STK-031	1332
STK031	1332
STK-032	1090
STK032	1090
STK-036	1148
STK036	1148
STK-040	1324
STK040	1324
STK041	1325
STK-041	1325
STK-043	1325
STK043	1325
STK-050	1336
STK050	1336
STK050BL	1336
STK054	1028
STK-054	1028
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STK056	1028
STK056A	1028
STK-056A	1028
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STK-058	1340
STK058GN	1340
STK070	1336
STK-070	1336
STK070GN	1336
STK-0039N	1280
STK-0039NT	1280
STK0039NT	1280
STK0039P	1282
STK-0039P	1282
STK0039U	1282
STK-0039U	1282
STK0040	1333
STK-0040	1333
STK0040AT	1333
STK-0040AT	1333
STK0040BL	1333
STK0040K	1333
STK-0040K	1333
STK0040N	1279
STK-0040N	1279
STK0040VT	1333
STK-0040VT	1333
STK-0049	1321
STK0049	1321
STK-0050	1281
STK0050	1281
STK0050II	1334◆
STK-0050II	1334◆
STK00501I GN	1334◆
STK-0050AP	1281
STK0050AP	1281
STK-0050AT	1281
STK0050M	1281
STK-0050M	1281
STK0050N	1279
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STK0050U	1281
STK-0050V	1281
STK0050V	1281
STK-0059	1321
STK0059	1321
STK-0060	1346
STK0060	1346
STK0060II	1334
STK-0060II	1334
STK0060II BL	1334
STK0060GN	1346
STK-0070	1322
STK0070	1322
STK-0070II	1335
STK0070II	1335
STK0070II GN	1335
STK-0080	1322
STK0080	1322
STK-0080II	1335
STK0080II	1335
STK0080II BL	1335
STK-011	1024
STK011	1024
STK-013	1212
STK013	1212
STK-014	1252
STK014	1252
STK015	1027
STK-015	1027
STK-016	1323
STK016	1323
STK018	1139
STK-018	1139
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STK-020	1025
STK020B	1025
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STK-025	1090
STK-025G	1090
STK025G	1090
STK-027	1274§
STK027	1274§
STK-031	1332
STK031	1332
STK-032	1090
STK032	1090
STK-036	1148
STK036	1148
STK-040	1324
STK040	1324
STK041	1325
STK-041	1325
STK-043	1325
STK043	1325
STK-050	1336
STK050	1336
STK050BL	1336
STK054	1028
STK-054	1028
STK-056	1028
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STK056A	1028
STK-056A	1028
STK058	1340
STK-058	1340
STK058GN	1340
STK070	1336
STK-070	1336
STK070GN	1336
STK-075	1341
STK075	1341
STK075GN	1341
STK077	1326
STK-077	1326
STK-078	1326
STK078	1326
STK-080	1327
STK080	1327
STK-082	1327
STK082	1327
STK-083	1328
STK083	1328
STK-084	1328
STK084	1328
STK-085	1337
STK085	1337
STK085GN	1337
STK-086	1337
STK086	1337
STK086BL	1337
STK0105	1342
STK-0105	1342
STK0105GN	1342
STK-0401	1324
STK80/12C	432/5574
STK177	1326
STK413	1220
STK-413	1220
STK-415	1220
STK415	1220
STK430	1343
STK-430	1343
STK430II	1359
STK430<III>	1359
STK430GN	1343
STK430II	1359
STK430III	1359
STK433	1218
STK-433	1218
STK435	1218
STK-435	1218
STK435L-105	1218
STK-437	1219
STK437	1219
STK439	1219
STK-439	1219
STK-441	1329
STK441	1329
STK443	1344§
STK-443	1344§
STK443GN	1344§
STK-457	1330
STK457	1330
STK-459	1330
STK459	1330
STK-460	1347
STK460	1347
STK460GN	1347
STK-461	1331
STK461	1331
STK463	1331
STK-463	1331
STK-463N	1331
STK465	1345
STK-465	1345
STK465GN	1345
STK561F	1732
STK563A	1732
STK563F	1732
STK583F	1732
STK1030	1357
STK1040	1357
STK1050	1358
STK1060	1360
STK2029BL	1356
STK2029GN	1356
STK-3042	1338§
STK3042	1338§
STK3042BL	1338§
STK3042GN	1338§
STK-3082	1339
STK3082	1339
STK3082BL	1339
STK3082GN	1339
STK4020	1319
STK4021	1319
STK4352	1218◆
STK4362	1218
STK4392	1219◆
STK5431	1733
STK5431SL	1733
STK5441	1734
STK5451	1735
STK6962	1748
STK6962C	1748
STK6962CL	1748
STK6962CZ	1748
STK6962O	1748
STK6982	1736
STK6982-B	1736
STK7563F	1737
ST-LM2152	123AP
ST-LM2682	123AP
STM73Q	159
STM101	500A
ST-MJE9742	157
ST-MPS9410AJ	128
ST-MPS9410AK	128
ST-MPS9418AS(ECB)	297
ST-MPS9418AT(ECB)	297
ST-MPS9433	123A
ST-MPS9433T	123AP
ST-MPS9633C	123AP
ST-MPS9682J	159

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
ST-MPS9700D	123AP
ST-MPS9700E	123AP
ST-MPS9700F	123AP
ST-MPS9700G	123AP
ST-MPS9750D	159
ST-MPS9750F	159
ST-MPS9750G	159
ST-MPSH10	229
STPT51	3032
STPT53	3032
STPT80	3032
STPT81	3032
STPT82	3032
STPT83	3032
STPT84	3032
STPT260	3036
STR101(Elcom)	5640
STR103(Elcom)	5640
STR106	5667A
STR106(Elcom)	5673
STR117	5682
STR117(Elcom)	5673
STR125	5682
STR130	5667A
STR201(Elcom)	5641
STR202(Elcom)	5641
STR203(Elcom)	5641
STR206	5667A
STR206(Elcom)	5673
STR208	5667A
STR208(Elcom)	5667A
STR217	5683
STR217(Elcom)	5673
STR225	5683
STR225(Elcom)	5673
STR230	5667A
STR230(Elcom)	5673
STR380	1548
STR380-1A	1548
STR380-2	1548
STR381	1546
STR381-1A	1546
STR381-2	1546
STR381A	1546
STR382	1553
STR383	1719
STR385	1553
STR403(Elcom)	5642
STR406	5667A
STR406(Elcom)	5675
STR408	5667A
STR408(Elcom)	5667A
STR411(Elcom)	5616
STR417	5685
STR417(Elcom)	5675
STR418(Elcom)	5635
STR425	5685
STR425(Elcom)	5685
STR430	5667A
STR430(Elcom)	5675
STR729	1546
STR3115	1740
STR3123	1741◆
STR3125	1741
STR3130	1742
STR3135	1743
STS104	284
STS105	284
STS106	284
STS107	284
STS401	283
STS402	283
STS403	283
STS409	283
STS410	94
STS411	94
STS413	283
STS430	385
STS431	385
STT4451	186
STV-3H	605A
STX0010	175
STX0011	129
STX0013	184
STX0014	130
STX0015	124
STX0016	175
STX0020	185
STX0026	184
STX0027	130
STX0028	154
STX0029	153
STX0030	153
STX0032	130
STX0033	126A
STX0034	126A
STX0036	160
STX0085	160
STX0087	160
STX0089	160
STX0090	160
STX0096	102A
STX0099	102A
STX0104	102A
STX0105	102A
STX0110	102A
STX0114	102A
STX0121	158
STX0123	102A
STX0224	158
STX0260	102A
STX0263	102A
STX0264	102A
STX0265	102A
STX0268	102A
STX0269	102A
STX3326	196
STX49007	941M
SU5	145A
SU-31	109
SU44	6409
SU110	6401
SU112	6410◆
SU190	6401
SU312MK	6410
SU2076	312
SU2077	312
SU2080	312
SU2081	312
SUB15-100	116
SUC650	137A
SUES1101	588
SUES1102	588
SUES1103	588
SUES1104	587
SUES1304	588
SUM6010	137A
SUM6011	137A
SUM6020	137A
SUM6021	137A
SV01A	116
SV-01A	116
SV-01B	116
SV-02	605A
SV-02(rectifier)	116
SV02A	116
SV-03	605A
SV03	606
SV-03S	605A
SV-03Y	606
SV-04	605A
SV04	607
SV04S	607
SV-04Y	607
SV-05	116
SV1SN76115NA	801
SV-3	177
SV-3A	605A
SV-3B	177
SV-3C	177
SV-4A	605A
SV5KV	540
SV-7	138A
SV-8	177
SV-9	601
SV-9(Zener)	139A
SV-9(Rectifier)	139A
SV-9(Diode)	177
SV28	5063A
SV29	5065A
SV30	109
SV30(Zener)	5066A
SV-31	109
SV31(Transistor)	158
SV-31(DIODE)	109
SV31(Zener)	134A
SV31(Diode)	134A
SV32	5067A
SV33	5068A
SV34	5069A
SV36	136A
SV37	137A
SV38	5071A
SV39	138A
SV40	5072A
SV41	139A
SV42	140A
SV43	5074A
SV44	142A
SV45	143A
SV46	145A
SV47	5075A
SV48	5077A
SV49	5079A
SV50	5080A
SV51	5081A
SV52	146A
SV53	5084A
SV54	147A
SV121	135A
SV122	135A
SV123	136A
SV124	5070A
SV127	138A
SV133	140A
SV134	5074A
SV135	142A
SV136	143A
SV137	144A
SV138	145A
SV-138A	145A
SV139	5075A
SV141	5076A
SV142	5077A
SV143	5078A
SV144	5079A
SV168	5080A
SV169	5081A
SV172	5083A
SV910	5187AK
SV1007A	97
SV1007B	97
SV1008A	94
SV1008B	94
SV1009A	98
SV1009B	98
SV1015A	99
SV1015B	99
SV1017	142A
SV1019	144A
SV1020	145A
SV-1020A	145A
SV1238	116
SV1238E	116
SV-1238E	116
SV2002	6354
SV2002K	6354
SV2002KR	6355
SV2002R	6355
SV2004	6354
SV2004K	6354
SV2004KR	6355
SV2004R	6355
SV2006	6356
SV2006K	6356
SV2006KR	6357
SV2006R	6357
SV2008	6358
SV2008K	6358
SV2008KR	6359
SV2008R	6359
SV2010	6358
SV2010K	6358
SV2010KR	6359
SV2010R	6359
SV2052	5209A
SV2058	5190AK
SV3144	5002A
SV4012	142A
SV4012A	142A
SV4014	144A
SV4014A	144A
SV4015	145A
SV-4015A	145A
SV4015A	145A
SV4018	5027A
SV4018A	5027A
SV4027	146A
SV4027-6	146A
SV4027A	146A
SV4027A-6	146A
SV4033	147A
SV4033A	147A
SV4055	148A
SV4055A	148A
SV4062	149A
SV4062A	149A
SV4082	150A
SV4082A	150A
SV11021	141A
SV12388	116
SV-12388	116
SV12388E	116
SV-BZX79C10V	5019A
SVC0053	614
SVC-101	610
SVC101	614
SVC112	616
SVC201	613
SVC-201	613
SVC201Y	613
SVC211	616
SVC211AC	617
SVC251	614
SVC-251	614
SVC303Y	618
SVC303YAK	618
SVC311	618
SVC321AC	618
SVC321Y	618
SVC625	137A
SVC650	137A
SVC1125	141A
SVC1150	141A
SVD02Z8.2A	5072A
SVD02Z9.5A	139A
SVD0A79	109
SVD-1S1717	139A
SVD1S1717	139A
SVD1S1850	116
SVD-1S1850R	116(2)
SVD10D-1	116
SVD12B2B1P-M	166
SVD20A70	109
SVD20A79	109
SVDAS2HB10	156
SVDEQA0112R	142A
SVDEQA0113RA	5022A
SVDMA26	117A
SVDMA26-1	109
SVDMC911	591
SVDMC921	590
SVDMZ303A	5005A
SVDMZ303B	5004A
SVDMZ305AM	5010T1
SVDMZ307A	5014A
SVDMZ307B	5014A
SVDMZ310B	5019A
SVDMZ312C2	5021A
SVDMZ316A	5025A
SVDMZ316B	5025A
SVDMZ320B	5029A
SVDMZ324A	5031A
SVDMZ330A2	5035A
SVDMZ333A	5036A
SVDMZ336B	5037A
SVDMZ414C	145A
SVDOA70	109
SVDOA90	109
SVDRD8.2EB	5016A
SVDRD16EB	5025A
SVDS1RB10	166
SVDS-1S1850	116(2)
SVDS2V10	5801
SVDS2V20	5802
SVDS2V40	5804
SVDS2V60	5806
SVDS3V40	5804
SVDS4VB10	5312
SVDS10VB20	5314
SVDSC20	109
SVDSR1K2	116
SVDVD1121	177
SVDVD1223	116
SVI74LS42P	74LS42
SVIAUPC577HF	1082
SVILA1231NS	1441
SVI-LA3300	1005
SVI-LD3120	1019
SVIM54517P	2079
SVINJM4559DD	778A
SVINJM4559DS	778A
SVI-ST020F	1025
SVISTK0025K	1320
SVISTK0029N	1320
SVI-STK018	1139
SVI-STK020F	1025
SVITA7129P	1462
SVITA7318P	1498
SVIUPC1161C	1489
SVIUPD4066C	4066B
SV-KB262	605A
SVM61	137A
SVM111	141A
SVM601	137A
SVM602	137A
SVM605	137A
SVM1105	141A
SVM6010	137A
SVM6011	137A
SVM6020	137A
SVM6021	137A
SVM11020	141A
SVT6000	98
SVT6001	98
SVT6002	98
SVT6060	98
SVT6061	98
SVT6062	98
SVT6251	97
SVT6252	97
SVT6702	394
SVVD1220XXXXX	605A
SVVD1221LXXXX	605A
SW0.5A	116
SW01	142A
SW05	116
SW-05	5800
SW-05-005	116
SW05-01	116
SW05-02	116
SW-05-02	116
SW05A	116
SW05B	116
SW05C	125
SW05D	125
SW05S	116
SW05SS	116
SW05V	116
SW-05V	116
SW-1	156
SW1	156
SW-1-01	156
SW-1-02	156
SW-1A	116
SW1C	125
SW1D	125
SW4F013	291
SW705-2M	9093
SW705-2P	9093
SW706-2M	9099
SW706-2P	9099
SW708-2M	9094
SW708-2P	9094
SW709-2M	9097
SW709-2P	9097
SW930-2M	9930
SW930-2P	9930
SW932-2M	9932
SW932-2P	9932
SW933-2M	9933
SW933-2P	9933
SW935-2M	9935
SW935-2P	9935
SW936-2M	9936
SW936-2P	9936
SW937-2M	9937
SW937-2P	9937
SW941-2M	9941
SW941-2P	9941
SW944-2M	9944
SW944-2P	9944
SW945-2M	9945
SW945-2P	9945
SW946-2M	9946
SW946-2P	9946
SW948-2M	9948
SW948-2P	9948
SW949-2M	9949
SW949-2P	9949
SW950-2M	9950
SW950-2P	9950
SW951-2M	9951
SW951-2P	9951
SW957-2M	9157
SW957-2P	9157
SW958-2M	9158
SW958-2P	9158
SW961-2M	9961
SW961-2P	9961
SW962-2P	9962
SW963-2M	9963
SW963-2P	9963
SW1808-2M	9808
SW1808-2P	9808
SW4066B	4066B
SW7481	7481
SW-10548	9937
SW-10549	9158
SWC	125
SWD	125
SWSC-7	4011B
SWT1032	159
SWT1042	123AP
SWT1728	126A
SWT3588	160
SX6.8	5120A
SX8.2	5122A
SX9.1	5124A
SX10	5125A
SX11	5126A
SX12	5127A
SX13	5128A
SX15	5130A
SX16	5131A
SX18	5133A
SX20	5135A
SX22	5136A
SX24	5137A
SX27	5139A
SX30	5141A
SX33	5142A
SX36	5143A
SX39	5144A
SX43	5145A
SX47	5146A
SX51	5147A
SX55	123A
SX56	5148A
SX-58Y	312
SX60M	154
SX61	129
SX61M	159
SX61MA	159
SX62	5150A
SX68	5151A
SX75	5152A
SX82	5153A
SX91	5155A
SX100	5156A
SX110	5157A
SX120	5158A
SX408	229
SX623	116
SX631	116
SX633	116
SX641	116
SX-642	116
SX642	116
SX643	116
SX644	116
SX645	116
SX751	5874
SX752	5874
SX753	5878
SX754	5878
SX780	177
SX-990	109
SX3001	108
SX3702	159
SX3702A	159
SX3709	123A
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SZ18	5027A
SZ18B	5077A
SZ18C	5133A
SZ20	5029A
SZ20B	5079A

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SZ33B	147A
SZ33C	5142A
SZ36B	5085A
SZ56A	5117A
SZ62A	5119A
SZ68A	5120A
SZ75A	5121A
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SZ91A	5124A
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SZ150	145A
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SZ200-8.2	5072A
SZ-200-9V	139A
SZ-200-13	143A
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SZ-200-15A	145A
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SZ671-G	142A
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SZ671-W	5074A
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SZ13455	146A
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SZ-HZ12A2	5021T1
SZ-HZ20-04	5029A
SZL9	5185A
SZL10	5186A
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SZ-RD3.9EB2	5007A
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SZ-RD6.2EB	137A
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T1S58Y	290A
T1S59	312
T1S60	123A
T1S60A	128
T1S60B	128
T1S60C	128
T1S60D	128
T1S60E	128
T1S60M	128
T1S61	159
T1S61A	159
T1S61B	129
T1S61C	129
T1S61D	129
T1S61E	129
T1S61M	129
T1S62	108
T1S63	108
T1S64	108
T1S71	123A
T1S72	123A
T1S73	467
T1S73(GDS)	466
T1S74(GDS)	466
T1S78	312
T1S79	312
T1S82	186
T1S83	123A
T1S84	108
T1S85	108
T1S86	107
T1S87	107
T1S-88	312
T1S88	312
T1S90	123A
T1S90-2	123A
T1S91	159
T1S91A	159
T1S92	123A
T1S92-BLU	123A
T1S92-GRN	123A
T1S92-GRY	123A
T1S92M	128
T1S92-VIO	123A
T1S92-YEL	123A
T1S93	159
T1S93A	159
T1S93-BLU	159
T1S93-GRN	159
T1S93-GRY	159
T1S93M	129
T1S93-VIO	159
T1S93-YEL	159
T1S94	108
T1S96	123A
T1S97	107
T1S-97	199
T1S98	108
T1S98A	108
T1S99	107
T1S100	154
T1S101	154
T1S102	154
T1S103	154
T1S104	159
T1S105	108
T1S106	194
T1S107	128
T1S108	107
T1S109	195A
T1S110	195A
T1S111	195A
T1S112	159
T1S113	123A
T1S114	123A
T1S412	107
T1SZ8	108
T1T	755
T1V	917
T1X-M14	161
T1XM15	108
T1X-M15	161
T1X-M16	161
T1XM17	108
T1XS11	464
T1XS-39	77
T1XS67	464
T1Y	917
T1Z	722
T2A	722
T2A(I.C.)	798
T2A(Motorola)	722
T2A(Transistor)	172A
T2C	722
T2D	723
T2E	753
T2F	718
T2G	723
T2G(Diode)	109
T2G(I.C.)	723
T2J	708
T2L	772A
T2M	781
T2N	789
T2N1	789
T2N-1	789
T2R	778A
T2SA495-O	290A
T2SA562-O	290A
T2SA940	398
T2SC388A	107
T2SC1195S	94
T2SC1829S	86
T2SC1893S	389
T2SC1894S	238
T2SC2068	376
T2SC2068-1	376
T2SC2073	375
T2SC2120Y	289A
T2SC2229-O	399
T2SC2229Y	399
T2SC2230AY	399
T2SD657S	162
T2T	788
T2T-1	788
T2T-2	788
T2V	736
T3/2	116
T3-6	343
T3-13	344
T3-20	342
T3-27	341
T3A	743
T3A-1	743
T3A-2	743
T3B	941M
T3G	109
T3N0,5POB	5461
T3N0,6000	5470
T3N1POB	5462
T3N2POB	5463
T3N4POB	5465
T3N50	5470
T3N50COB	5470
T3N/50T	5470
T3N100	5471
T3N100COB	5471
T3N/100T	5471
T3N200	5472
T3N200COB	5472
T3N/200T	5472
T3N300	5474
T3N300COB	5474
T3N/300T	5474
T3N400	5474
T3N400COB	5474
T3N/400T	5474
T3N500	5476
T3N500COB	5476
T3N/500T	5476
T3N600	5476
T3N600COB	5476
T3N/600T	5476
T3N1000	5471
T3N2000	5472
T3N3000	5474
T3N4000	5474
T3N5000	5476
T3N6000	5476
T3W80	2309
T4,5/50(Blue)	5481
T4,5/50COR	5481
T4,5/100(Brown)	5482
T4,5/100COR	5482
T4,5/200(Green)	5483
T4,5/200COR	5483
T4,5/300(YELLOW)	5485
T4,5/300COR	5485
T4,5/400(White)	5485
T4,5/400COR	5485
T4F	1115
T6N100COB	5502
T6N200COB	5504
T6N300COB	5507
T6N400COB	5507
T6N500COB	5509
T6W80	2309
T7	109
T8/2	116
T8G	109
T8L05A	977
T8M40F1	53

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
T8N100COB	5502
T8N200COB	5504
T8N300COB	5507
T8N400COB	5507
T8N500COB	5509
T8W40F1	2308
T8Y40F1	2308
T9	109
T9G	109
T9G0060803DH	5598
T9G0061003DH	5598
T9G0061203DH	5598
T9G0080803DH	5599
T9G0081003DH	5599
T9G0081203DH	5599
T9G0100803DH	5599
T9G0101003DH	5599
T9G0101203DH	5599
T9G0120803DH	5599
T9G0121003DH	5599
T9G0121203DH	5599
T10M20F3	2319
T10M36	53
T10M40	53
T10M40F1	53
T10M40F3	2319
T10W40F1	2308
T10W40F2	2308
T10W40F3	2311 ♦
T10Y40F1	2308
T11	109
T12	109
T12-1	177
T12-2	177
T12A	177
T12B	177
T12C	177
T12G	109
T12N100COB	5542
T12N200COB	5543
T12N300COB	5545
T12N400COB	5545
T12N500COB	5547
T12N600COB	5547
T13	109
T-13	116
T13G	109
T-13G	116
T-14	116
T14	109
T14G	109
T-14G	116
T15N400COA	5545
T15N400COB	5545
T15N500COA	5547
T15N500COB	5547
T15N600COA	5547
T15N600COB	5547
T15.1N100COB	5542
T15.1N200COB	5543
T15.1N300COB	5545
T15.1N400COB	5545
T15.1N500COB	5547
T15.1N600COB	5547
T16	177
T16N400COB	5545
T16N500COB	5547
T16N600COB	5547
T17	109
T17-A	138A
T17A	138A
T17N200COB	5543
T17N400COB	5545
T17N500COB	5547
T17N600COB	5547
T18	109
T20	109
T20G	109
T20N0.6COO	5542
T20N1COO	5542
T20N2COO	5543
T20N3COO	5545
T20N4COO	5545
T20N5COO	5547
T20N6COO	5547
T21	109
T21G	109
T22	109
T22G	109
T-22G	116
T-23	102A
T23	109
T-23-71	390
T23-93	196
T23-94	128
T23G	109
T24G	109
T25-LA	501B
T26G	109
T-26G	116
T27G	109
T30-AH	501B
T-33Z1	102A
T33Z1	102A
T-33Z3	102A
T33Z3	102A
T35A-5	123A
T-39	102A
T39	102A
T39(SIL/NPN)	159
T40	106
T45	102A
T-46	100
T46	102A
T-47	100
T47	102A
T48	102A
T-48	100
T-50	116
T50	102A
T51A	6007
T51B	6007
T51C	6007
T52A	6006
T52B	6006
T52C	6006
T53A	5819 ♦
T53B	5819 ♦
T53C	5819
T53T	5819 ♦
T54A	5818 ♦
T54B	5818 ♦
T54C	5818
T54T	5818 ♦
T59	102A
T60	102A
T61	102A
T72	102A
T74	102A
T74LS00	74LS00
T74LS00B1	74LS00
T74LS00D1	74LS00
T74LS02	74LS02
T74LS02B1	74LS02
T74LS02D1	74LS02
T74LS03	74LS03
T74LS03B1	74LS03
T74LS03D1	74LS03
T74LS04	74LS04
T74LS04B1	74LS04
T74LS04D1	74LS04
T74LS05	74LS05
T74LS05B1	74LS05
T74LS05D1	74LS05
T74LS08	74LS08
T74LS08B1	74LS08
T74LS08D1	74LS08
T74LS09	74LS09
T74LS09B1	74LS09
T74LS10	74LS10
T74LS10B1	74LS10
T74LS10D1	74LS10
T74LS11	74LS11
T74LS11B1	74LS11
T74LS11D1	74LS11
T74LS14	74LS14
T74LS14B1	74LS14
T74LS14D1	74LS14
T74LS15	74LS15
T74LS15B1	74LS15
T74LS15D1	74LS15
T74LS20	74LS20
T74LS20B1	74LS20
T74LS20D1	74LS20
T74LS21	74LS21
T74LS21B1	74LS21
T74LS21D1	74LS21
T74LS22	74LS22
T74LS22B1	74LS22
T74LS22D1	74LS22
T74LS26	74LS26
T74LS26B1	74LS26
T74LS27	74LS27
T74LS27B1	74LS27
T74LS27D1	74LS27
T74LS28	74LS28
T74LS28B1	74LS28
T74LS28D1	74LS28
T74LS30	74LS30
T74LS30B1	74LS30
T74LS30D1	74LS30
T74LS32	74LS32
T74LS32B1	74LS32
T74LS32D1	74LS32
T74LS33	74LS33
T74LS33B1	74LS33
T74LS33D1	74LS33
T74LS37	74LS37
T74LS37B1	74LS37
T74LS37D1	74LS37
T74LS38	74LS38
T74LS38B1	74LS38
T74LS38D1	74LS38
T74LS40	74LS40
T74LS40B1	74LS40
T74LS40D1	74LS40
T74LS42	74LS42
T74LS42B1	74LS42
T74LS42D1	74LS42
T74LS51	74LS51
T74LS51B1	74LS51
T74LS51D1	74LS51
T74LS54	74LS54
T74LS54B1	74LS54
T74LS54D1	74LS54
T74LS55	74LS55
T74LS55B1	74LS55
T74LS55D1	74LS55
T74LS73	74LS73
T74LS73B1	74LS73
T74LS73D1	74LS73
T74LS74	74LS74A
T74LS74AB1	74LS74A
T74LS74B1	74LS74A
T74LS74D1	74LS74A
T74LS78	74LS78
T74LS78B1	74LS78
T74LS83	74LS83A
T74LS83B1	74LS83A
T74LS83D1	74LS83A
T74LS85	74LS85
T74LS85B1	74LS85
T74LS85D1	74LS85
T74LS86	74LS86
T74LS86B1	74LS86
T74LS86D1	74LS86
T74LS90	74LS90
T74LS90B1	74LS90
T74LS90D1	74LS90
T74LS92	74LS92
T74LS92B1	74LS92
T74LS93	74LS93
T74LS93B1	74LS93
T74LS93D1	74LS93
T74LS95	74LS95B
T74LS95B1	74LS95B
T74LS95BB1	74LS95B
T74LS95BD1	74LS95B
T74LS95D1	74LS95B
T74LS109	74LS109A
T74LS109B1	74LS109A
T74LS109D1	74LS109A
T74LS112	74LS112A
T74LS112B1	74LS112A
T74LS112D1	74LS112A
T74LS113	74LS113
T74LS113B1	74LS113
T74LS114	74LS114
T74LS114B1	74LS114
T74LS125	74LS125A
T74LS125B1	74LS125A
T74LS125D1	74LS125A
T74LS126	74LS126
T74LS126B1	74LS126
T74LS132	74LS132
T74LS132B1	74LS132
T74LS132D1	74LS132
T74LS133	74LS133
T74LS133B1	74LS133
T74LS133D1	74LS133
T74LS136	74LS136
T74LS136B1	74LS136
T74LS136D1	74LS136
T74LS138	74LS138
T74LS138B1	74LS138
T74LS138D1	74LS138
T74LS139	74LS139
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T74LS139D1	74LS139
T74LS151	74LS151
T74LS151B1	74LS151
T74LS151D1	74LS151
T74LS153	74LS153
T74LS153B1	74LS153
T74LS153D1	74LS153
T74LS155	74LS155
T74LS155B1	74LS155
T74LS155D1	74LS155
T74LS156	74LS156
T74LS156B1	74LS156
T74LS157	74LS157
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T74LS157D1	74LS157
T74LS158	74LS158
T74LS158B1	74LS158
T74LS160	74LS160A
T74LS160B1	74LS160A
T74LS160D1	74LS160A
T74LS161	74LS161A
T74LS161B1	74LS161A
T74LS161D1	74LS161A
T74LS162	74LS162A
T74LS162B1	74LS162A
T74LS162D1	74LS162A
T74LS163	74LS163A
T74LS163B1	74LS163A
T74LS163D1	74LS163A
T74LS164	74LS164
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T74LS164D1	74LS164
T74LS165	74LS165
T74LS165B1	74LS165
T74LS165D1	74LS165
T74LS168	74LS168A
T74LS168B1	74LS168A
T74LS168D1	74LS168A
T74LS169	74LS169A
T74LS169B1	74LS169A
T74LS169D1	74LS169A
T74LS170	74LS170
T74LS170B1	74LS170
T74LS170D1	74LS170
T74LS173	74LS173
T74LS173B1	74LS173
T74LS174	74LS174
T74LS174B1	74LS174
T74LS174D1	74LS174
T74LS175	74LS175
T74LS175B1	74LS175
T74LS175D1	74LS175
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T74LS190B1	74LS190
T74LS190D1	74LS190
T74LS191	74LS191
T74LS191B1	74LS191
T74LS191D1	74LS191
T74LS193	74LS193
T74LS193B1	74LS193
T74LS193D1	74LS193
T74LS194	74LS194A
T74LS194A	74LS194A
T74LS194AB1	74LS194A
T74LS194AD1	74LS194A
T74LS194B1	74LS194A
T74LS194D1	74LS194A
T74LS195	74LS195A
T74LS195B1	74LS195A
T74LS195D1	74LS195A
T74LS196	74LS196
T74LS196B1	74LS196
T74LS197	74LS197
T74LS197B1	74LS197
T74LS251	74LS251
T74LS251B1	74LS251
T74LS251D1	74LS251
T74LS253	74LS253
T74LS253B1	74LS253
T74LS253D1	74LS253
T74LS257	74LS257
T74LS257B1	74LS257
T74LS257D1	74LS257
T74LS258	74LS258
T74LS258B1	74LS258
T74LS258D1	74LS258
T74LS259	74LS259
T74LS259B1	74LS259
T74LS259D1	74LS259
T74LS260	74LS260
T74LS260B1	74LS260
T74LS260D1	74LS260
T74LS266	74LS266
T74LS266B1	74LS266
T74LS266D1	74LS266
T74LS279	74LS279
T74LS279B1	74LS279
T74LS279D1	74LS279
T74LS283	74LS283
T74LS283B1	74LS283
T74LS290	74LS290
T74LS290B1	74LS290
T74LS293	74LS293
T74LS293B1	74LS293
T74LS295	74LS295A
T74LS295A	74LS295A
T74LS295AB1	74LS295A
T74LS295AD1	74LS295A
T74LS295B1	74LS295A
T74LS295D1	74LS295A
T74LS298	74LS298
T74LS298B1	74LS298
T74LS298D1	74LS298
T74LS365	74LS365A
T74LS365B1	74LS365A
T74LS366	74LS366A
T74LS366B1	74LS366A
T74LS366D1	74LS366A
T74LS367	74LS367
T74LS367B1	74LS367
T74LS367D1	74LS367
T74LS368	74LS368
T74LS368B1	74LS368
T74LS368D1	74LS368
T74LS374	74LS374
T74LS374B1	74LS374
T74LS670	74LS670
T74LS670B1	74LS670
T74LS670D1	74LS670
T76	123A
T77	102A
T78	102A
T-78	100
T-81	103A
T81	103A
T82	102A
T83	102A
T84	102A
T87	102A
T87A	116
T87A(Diode)	116
T-95	102A
T95	102A
T-99	160
T99	102A
T100	102A
T-100	116
T101	102A
T-101	121
T102A	102A
T106A1	5454
T106A1SC	5629
T106A1SD	5629
T106A1SG	5629
T106A1SH	5629
T106A1SS	5629
T106A2	5454
T106A2SC	5629
T106A2SD	5629
T106A2SG	5629
T106A2SH	5629
T106A2SS	5629
T106A3	5454
T106A4	5454
T106B1	5455
T106B1SC	5629
T106B1SD	5629
T106B1SG	5629
T106B1SH	5629
T106B1SS	5629
T106B2	5455
T106B2SC	5629
T106B2SD	5629
T106B2SG	5629
T106B2SH	5629
T106B2SS	5629
T106B3	5455
T106B4	5455
T106C1	5457
T106C1SC	5629
T106C1SD	5629
T106C1SG	5629
T106C1SH	5629
T106C1SS	5629
T106C2	5457
T106C2SC	5629
T106C2SD	5629
T106C2SG	5629
T106C2SH	5629
T106C2SS	5629
T106C3	5457
T106C4	5457
T106D1	5457
T106D1SC	5629
T106D1SD	5629
T106D1SG	5629
T106D1SH	5629
T106D1SS	5629
T106D2	5457
T106D2SC	5629
T106D2SD	5629
T106D2SG	5629
T106D2SH	5629
T106D2SS	5629
T106D3	5457
T106D4	5457
T106F1	5453
T106F1SC	5629
T106F1SD	5629
T106F1SG	5629
T106F1SH	5629
T106F1SS	5629
T106F2	5453
T106F2SC	5629
T106F2SD	5629
T106F2SG	5629
T106F2SH	5629
T106F2SS	5629
T106F3	5453
T106F4	5453
T106Q1	5452
T106Q2	5452
T106Q3	5452
T106Q4	5452
T106Y1	5452
T106Y2	5452
T106Y3	5452
T106Y4	5452
T107A1	5454
T107A2	5454
T107A3	5454
T107A4	5454
T107B1	5455
T107B2	5455
T107B3	5455
T107B4	5455
T107C1	5457
T107C2	5457
T107C3	5457
T107C4	5457
T107D1	5457
T107D2	5457
T107D3	5457
T107D4	5457
T107F1	5453
T107F2	5453
T107F3	5453
T107F4	5453
T107Q1	5452
T107Q2	5452
T107Q3	5452
T107Q4	5452
T107Y1	5452
T107Y2	5452
T107Y3	5452
T107Y4	5452
T108	102A
T108(IBM)	213
T-109	100
T109	102A
T116	102A
T-116	100
T-126	102A
T126	102A
T-127	121
T127	102A
T129	102A
T-129	102A
T-130	102A
T130	102A
T131	158
T-131	158
T131(GERMANIUM)	100
T139	104
T140A0	5481
T140A1	5482
T140A2	5483
T140A3	5485
T140A4	5485
T142	121
T143	123A
T151	177
T152	177
T153	177
T154	177
T155	177
T156	116
T157	123A
T158	123A
T159	116
T160	102A
T163	160
T-163	160
T170	123A
T171	123A
T185	123A
T200	116
T-200	116
T201AV	1171
T-203	107
T222	162
T225	162
T230PA5	5650
T-235	121
T235A013-2	123A
T237	123A
T246	129
T-246	159
T247	128
T-251	159
T253	160
T253(SEARS)	160
T255	123A
T-255	123A
T-256	123A
T256	123A
T257	124
T261	124
T271	175
T276	159
T277	123A
T-278	160
T278	160
T279	160
T-279	160
T280	160
T280(SEARS)	126A
T281	160
T281(SEARS)	126A
T282	160
T282(SEARS)	102A
T287	157
T-291	128
T291	123A
T300	116
T-300	116
T301AV	1171
T308	108
T309	234
T309K	309K
T327	123A
T327-2	123A
T328	123A
T334-2	129
T336-2	128
T338	128
T-339	128
T339	123A
T-340	129
T340	159
T342	123A
T-342	184
T344	184
T-344	184
T-345	185
T345	185
T348	160
T-348	126A
T367	160
T368	160
T370	179
T373	160
T374	160
T381	161
T381(SEARS)	161
T386	123A
T386(SEARS)	108
T396	185
T-396	185
T399	123A
T-399	123A
T400	116
T-400	116
T416-16(Sears)	123A
T417	123A
T422	188
T423	189
T449	160
T449(Sears)	126A
T450	116
T-450	116
T452	128
T457-16	123A
T457-16(Sears)	123A
T458-16	123A
T459	129
T459(SEARS)	123A
T460	123A
T460(SEARS)	159
T461-16	123A
T461-16(SEARS)	123A
T462	123A
T462(SEARS)	123A
T464	222
T472	123A
T472(SEARS)	123A
T475	129
T475(SEARS)	159
T-481	154
T481(SEARS)	154
T-482	129
T482(SEARS)	159
T-483	108
T483(SEARS)	123A
T-484	108
T484(SEARS)	123A
T485(Sears)	123A
T-486	108
T486(SEARS)	123A
T-500	116
T500	116
T511	5700
T511F	5700
T512	5700
T512F	5700
T521	5701
T521F	5701
T522	5701
T522F	5701
T541	5702
T542	5702
T-550	116
T550	116
T551	5703
T552	5703
T572G6A	6402
T576-1	161
T581	5705
T582	5705
T597-1	159
T-600	116
T600	116
T611-1	152
T611-1(RCA)	184
T612-1	152
T612-1(RCA)	184
T615A002	123A
T615A006-1	123A
T626(SEARS)	165
T650	116
T-650	116
T650(Transistor)	123A
T699(Zenith)	159
T800	125
T800X	125
T811	160
T814	158
T815	158
T819(Zenith)	194
T841	181
T842	181
T843	181
T844	181
T900B1	1624
T900RT-K	1624
T911B1T	1624
T911B1-T	1624
T911BIT	1624
T916B1	1624
T975(Zenith)	123AP
T-1000	125
T1000	158
T-1000X	125
T1000X	125
T1001	102A
T1002	102A
T1002A	102A
T1003	102A
T1003-521	108
T1004	102A
T1005	102A
T1006	102A
T1007	102A
T1007(Zenith)	199
T1008	102A
T1008-834	123A
T1009	102A
T1010	102A
T1011	160
T1012	160
T1012BH	5633
T1012BJ	56019
T1012DH	5635
T1012DJ	56020
T1012MH	5637
T1013	102A
T1013BH	5633
T1013BJ	56019
T1013DH	5635
T1013DJ	56020
T1013MH	5637
T1023	102A
T1028	160
T1031(RadShk)	177
T1032	160
T1033	160
T1034	160
T1036	102A
T1037	102A
T1038	160
T1039	379
T1040	104
T1041	104
T1042	102A
T1043	102A
T1046	102A
T1047	102A
T1076	102A
T1085	116
T1156	7400
T1157	7410
T1158	7420
T1166	160
T1167	121
T1168	121
T1202	102A
T1202(GE)	161
T1203	102A
T1208	312
T1212BH	56004
T1212BJ	56019
T1212DH	56006
T1212DJ	56020
T1212MH	56008
T1212NH	56010
T1213BH	56004
T1213BJ	56019

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To Be Replaced	ECG Replacement
T1213DH	56006
T1213DJ	56020
T1213MH	56008
T1213NH	56010
T1224	160
T1225	160
T1232	160
T1233	160
T1250	160
T1251	100
T1275	129
T1276	129
T1289	100
T1291	100
T1298	160
T1299	160
T1300	102A
T1305	160
T1306	160
T1310	102A
T1312	100
T1314	160
T1322	100
T1326	100
T1327	102A
T1328	102A
T1334	102A
T1340A3H	128
T1340A3I	123A
T1340A3J	123A
T1340A3K	123A
T1340A31	123A
T1341A3K	199
T1342	102A
T1346	102A
T1352	102A
T-1363	126A
T1363	102A
T-1364	126A
T1364	102A
T1366	104
T1366A	104
T1367	104
T1367A	104
T1368	104
T1368A	104
T1369	104
T1369A	104
T1370	104
T1370A	104
T1387	160
T1388	126A
T1389	160
T1390	160
T1391	160
T1400	160
T1401	160
T1402	199
T1402(GERMANIUM)	159
T1403	160
T1408	229
T1413	123A
T1414	123A
T1415	123A
T1416	123A
T-1416	123A
T1417	123A
T1450	116
T1454	160
T1459	160
T1460	126A
T-1460	126A
T1461	160
T1474	100
T1480E(Rad Shk)	558
T1486	152
T1487	152
T1495	123A
T1510	100
T1512BJ	56019
T1512NJ	56020
T1513BJ	56019
T1513DJ	56020
T1524	126A
T1524BRN	126A
T1524BRN/RED	126A
T1546	102A
T1548	160
T1559	102A
T1573	102A
T1574	102A
T1577	102A
T1583	102A
T1593	102A
T1594	102A
T1595	102A
T1596	102A
T1597	102A
T1598	102A
T1599	102A
T1601	121
T1602	159
T1602(GERMANIUM)	121
T1612BH	56015
T1612DH	56016
T1612MH	56017
T1612NH	56018
T1613BH	56015
T1613DH	56016
T1613MH	56017
T1613NH	56018
T1618	160
T1642B	123A
T1654	126A
T1654BLU	126A
T1657	160
T1679	123A
T1690	160
T1691	160
T1692	160
T1706	128
T1706A	128
T1706B	128
T1706C	128
T1710J	910D
T1710V	910
T1711J	911D
T1711V	911
T1723J	923D
T1723V	923
T1731	222
T1737	160
T1738	160
T1740	102A
T1746	123A
T1746A	123A
T1746B	123A
T1746C	123A
T1747V	947
T1748	123A
T1748A	123A
T1748B	123A
T1748C	123A
T1788	160
T1802	123A
T1802A	123A
T1802B	123A
T1804	123A
T1805	123A
T1808	129
T1808A	129
T1808B	129
T1808C	129
T1808D	129
T1808E	129
T1810	123A
T1810B	123A
T1811	128
T1811E	128
T1811G	128
T1814	160
T1831	160
T-1877	100
T1877	100
T1902	100
T1903	102A
T1904	102A
T1909	123A
T1961	102A
T2015	160
T2016	160
T2017	160
T2019	160
T2020	160
T2021	160
T2022	160
T2024	160
T2025	160
T2026	160
T-2028	160
T2028	160
T-2029	160
T2029	160
T2030	160
T-2030	160
T2038	100
T-2038	100
T-2039	100
T2039	100
T2040	100
T-2040	100
T2062	783
T-2091	100
T2091	100
T-2122	102
T2122	100
T2159	102A
T2172	100
T2173	100
T2191	160
T2256	100
T2257	100
T2258	100
T2259	100
T2260	100
T2261	100
T2300A	5650
T2300B	5651
T2300C	5652
T2300D	5652
T2300F	5650
T2300PA	5650
T2300PA5	5650
T2300PB	5651
T2300PC	5652
T2300PC5	5652
T2300PD	5652
T2300PD5	5652
T2300PF	5650
T2300PF5	5650
T2301A	5650
T2301B	5651
T2301D	5652
T2301F	5650
T2301PA	5650
T2301PB	5651
T2301PB5	5651
T2301PD	5652
T2301PD5	5652
T2302A	5640 ♦
T2302B	5651
T2302C	5652
T2302D	5652
T2302F	5650
T2302PA	5650
T2302PA5	5650
T2302PB	5651
T2302PB5	5651
T2302PD	5652
T2302PD5	5652
T2303A	5640
T2303B	5640
T2303D	5642
T2303F	5640
T2303M	5643
T2303PA	5640
T2303PB	5640
T2303PC	5642
T2303PD	5642
T2303PF	7493A
T2312A	5640 ♦
T2312B	5641 ♦
T2312D	5642 ♦
T2312F	5640 ♦
T2320A	5629
T2320B	5629
T2320C	5629
T2320D	5629
T2320F	5629
T2322	126A
T2322A	5629
T2322B	5629
T2322C	5629
T2322D	5629
T2322F	5629
T2323	126A
T2323A	5629
T2323B	5629
T2323C	5629
T2323D	5629
T2323F	5629
T2324	126A
T2327A	5629
T2327B	5629
T2327C	5629
T2327D	5629
T2327F	5629
T2357	106
T2364	160
T2379	160
T2384	160
T-2439	100
T2439	102A
T2440	102A
T-2440	100
T-2441	100
T2441	102A
T2446	123A
T2500B	5645
T2500D	5645
T2508	1751
T2512BH	56015
T2512DH	56016
T2512MH	56017
T2512NH	56018
T2513BH	56015
T2513DH	56016
T2513MH	56017
T2513NH	56018
T2515	102A
T2517	102A
T2634	108
T2700B	5624
T2700D	5635
T2709J	909D
T2709V	909
T2710B	5624
T2710D	5626
T2741J	941D
T2741V	941
T2788	160
T2800B	5645
T2800C	5645
T2800D	5645
T2800E	5645
T2800M	5645
T2801B	5633
T2801C	5635
T2801D	5635
T2801DF	5637
T2801E	5637
T2801M	5637
T2802B	5633
T2802C	5635
T2802D	5635
T2802E	5637
T2802M	5637
T2850A	5645
T2850B	5645
T2850D	5645
T2851B	5645
T2851C	5645
T2851D	5645
T2851E	5645
T2878	160
T2896	160
T2945	160
T2946	160
T3005	102A
T3321	102A
T-3321	102A
T3322	102A
T-3322	102A
T3530	108
T3535	108
T3536	108
T3539	108
T3565	123A
T3568	107
T3568(RCA)	108
T3570	159
T3570A	159
T3601	123A
T3601(RCA)	107
T4100E	5690
T4100F	5688
T4100M	5690
T4101E	5690
T4101F	5688
T4101M	5690
T4110M	5677
T4111M	5677
T4121M	56026
T4140B	5679
T4140D	5679
T4140F	5679
T4150B	5679
T4150D	5679
T4150F	5679
T4446(Zener)	137A
T-4590	116
T4590	110MP
T4706B	56004
T4706D	56006
T6028	126A
T-6028	126A
T6029	126A
T-6029	126A
T-6030	126A
T6030	126A
T6031	126A
T-6031	126A
T-6032	126A
T6032	126A
T6058	160
T6260B	5679
T6260C	5679
T6260D	5679
T6260E	5679
T6260M	5679
T6261B	5679
T6261C	5679
T6261D	5679
T6261E	5679
T6261M	5679
T6400B	5688
T6400D	5689
T6400M	5690
T6401B	5688
T6401D	5689
T6401M	5690
T6411B	5693
T6411D	5695
T6411M	5697
T6420B	56022
T6420C	56024
T6420D	56024
T6420E	56026
T6420F	56022
T6420M	56026
T6421B	56022
T6421C	56024
T6421D	56024
T6421E	56026
T6421F	56022
T6421M	56026
T6441B	5679
T6441D	5679
T6441F	5679
T6451D	5679
T6451F	5679
T6461B	5679
T6565	123A
T7400B1	7400
T7400D1	7400
T7401B1	7401
T7401D1	7401
T7402B1	7402
T7402D1	7402
T7403B1	7403
T7403D1	7403
T7404B1	7404
T7404D1	7404
T7405B1	7405
T7405D1	7405
T7406B1	7406
T7406D1	7406
T7407B1	7407
T7407D1	7407
T7408B1	7408
T7408D1	7408
T7409B1	7409
T7409D1	7409
T7410B1	7410
T7410D1	7410
T7416B1	7416
T7416D1	7416
T7417B1	7417
T7417D1	7417
T7420B1	7420
T7420D1	7420
T7426B1	7426
T7426D1	7426
T7428B1	7428
T7428D1	7428
T7430B1	7430
T7430D1	7430
T7433B1	7433
T7433D1	7433
T7440B1	7440
T7440D1	7440
T7441AB1	7441
T7441AD1	7441
T7442B1	7442
T7442D1	7442
T7443B1	7443
T7443D1	7443
T7444B1	7444
T7444D1	7444
T7450B1	7450
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T7451B1	7451
T7451D1	7451
T7453B1	7453
T7453D1	7453
T7454B1	7454
T7454D1	7454
T7460B1	7460
T7460D1	7460
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T7472D1	7472
T7473B1	7473
T7473D1	7473
T7474B1	7474
T7474D1	7474
T7475B1	7475
T7475D1	7475
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T7476D1	7476
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T7481D1	7481
T7483B1	7483
T7483D1	7483
T7486B1	7486
T7486D1	7486
T7490B1	7490
T7490D1	7490
T7492B1	7492
T7492D1	7492
T7493B1	7493A
T7493D1	7493A
T9011A1C	123A
T9011A1G	123A
T9011AZ	123A
T9011CD	108
T9011EF	108
T9011G	108
T9011GEF	108
T9011GH	108
T9011H	108
T9011HEF	108
T9011I	108
T9011J	108
T9016F	108
T9016H	108
T9418	293
T9423	229
T9468	294
T9630	85
T9631	123AP
T9681	159
T-10010	519
T10010	102A
T10085	102A
T10144	116
T10175	116
T10185	116
T10195	166
T10453	116
T11131	73 ♦
T11132	73 ♦
T11133	73 ♦
T11134	73 ♦
T11135	73 ♦
T11136	73 ♦
T11151	73 ♦
T11152	73 ♦
T11153	73 ♦
T11154	73 ♦
T11155	73 ♦
T11156	73 ♦
T11618	102A
T13000	102A
T13015	128
T13029	121
T14881(RadShk)	558
T21237	109
T21238	109
T21271	109
T21312	116
T21313	109
T21333	116
T21334	139A
T21507	116
T21600	177
T21602	116
T21638	117A
T21639	139A
T21649	116
T21679	116
T25089	1690
T30155	117A
T30155-001	116
T30155-1	116
T42692-001	116
T42692-1R	116
T50339A	102A
T50631	102A
T50818	126A
T50931B	102
T50933B	158
T50944	100
T51573A	102
T52054	126A
T52147	100
T52147Z	100
T-52148Z	100
T52148Z	100
T52149	100
T-52149	100
T-52149Z	100
T52149Z	100
T52150	102A
T-52150	102A
T52150Z	102A
T-52150Z	102A
T-52151	102A
T52151	102A
T-52151Z	102A
T52151Z	102A
T52159	102A
T59235A	123A
T59247	102A
T59249	102A
T59276	101
T59277	101
T69901(Zenith)	159
T74107B1	74107
T74107D1	74107
T74121B1	74121
T74121D1	74121
T74122B1	74122
T74122D1	74122
T74123B1	74123
T74123D1	74123
T74180B1	74180
T74180D1	74180
T74192B1	74192
T74192D1	74192
T74193B1	74193
T74193D1	74193
T81901(Zenith)	194
T89412	911
T-152148	100
T152148	100
T164213	128
T1003521	108
T1004671	123A
T1008834	123A
T5070140B4AA	5368
T5070140B4AQ	5371
T5070170B4AA	5368
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T400001618	5521
T400002206	5541
T400002208	5541
T400002216	5541
T400002218	5541
T400011006	5502
T400011008	5502
T400011016	5502
T400011018	5502
T400011606	5522
T400011608	5522
T400011616	5522
T400011618	5522
T400012206	5542
T400012208	5542
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T400012218	5542
T400021006	5504
T400021008	5504
T400021016	5504
T400021018	5504
T400021606	5524
T400021608	5524
T400021616	5524
T400021618	5524
T400022206	5543
T400022208	5543
T400022216	5543
T400022218	5543
T400031006	5507
T400031008	5507

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
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T400031018	5507
T400031606	5527
T400031608	5527
T400031616	5527
T400031618	5527
T400032206	5545
T400032208	5545
T400032216	5545
T400032218	5545
T400041006	5507
T400041008	5507
T400041016	5507
T400041018	5507
T400041606	5527
T400041608	5527
T400041616	5527
T400041618	5527
T400042206	5545
T400042208	5545
T400042216	5545
T400042218	5545
T400051006	5509
T400051008	5509
T400051016	5509
T400051018	5509
T400051606	5529
T400051608	5529
T400051616	5529
T400051618	5529
T400052206	5547
T400052208	5547
T400052216	5547
T400052218	5547
T400061006	5529
T400061008	5529
T400061016	5509
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T400061606	5529
T400061608	5529
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T400061618	5529
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T400062208	5547
T400062216	5547
T400062218	5547
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T400071608	5531
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T707102524BY	5378
T707102534BY	5378
T707102544BY	5378
T707102554BY	5378
T707103024BY	5378
T707103034BY	5378
T707103044BY	5378
T707103054BY	5378
T707112524BY	5378
T707112534BY	5378
T707112544BY	5378
T707112554BY	5378
T707113024BY	5378
T707113034BY	5378
T707113044BY	5378
T707113054BY	5378
T707113059BTX	5378
T707122524BY	5378
T707122534BY	5378
T707122544BY	5378
T707122554BY	5378
T707123024BY	5378
T707123034BY	5378
T707123044BY	5378
T707123054BY	5378
T720083504DN	5596
T720084504DN	5596
T720085504DN	5596
T720103504DN	5596
T720104504DN	5596
T720105504DN	5596
T720123504DN	5596
T720124504DN	5596
T720125504DN	5596
T727013524DN	5386
T727013534DN	5386
T727013544DN	5386
T727013554DN	5386
T727014579DNX	5386
T727023524DN	5386
T727023534DN	5386
T727023544DN	5386
T727023554DN	5386
T727033524DN	5386
T727033534DN	5386
T727033544DN	5386
T727033554DN	5386
T727043524DN	5386
T727043534DN	5386
T727043544DN	5386
T727043554DN	5386
T727053524DN	5386
T727053534DN	5386
T727053544DN	5386
T727053554DN	5386
T727063524DN	5386
T727063534DN	5386
T727063544DN	5386
T727063554DN	5386
T727073524DN	5387
T727073534DN	5387
T727073544DN	5387
T727073554DN	5387
T727083524DN	5387
T727083534DN	5387
T727083544DN	5387
T727083554DN	5387
T727093524DN	5387
T727093534DN	5387
T727093544DN	5387
T727093554DN	5387
T727103524DN	5387
T727103534DN	5387
T727103544DN	5387
T727103554DN	5387
T727113524DN	5387
T727113534DN	5387
T727113544DN	5387
T727113554DN	5387
T727123524DN	5387
T727123534DN	5387
T727123544DN	5387
T727123554DN	5387
T727124589DNX	5387
T730013504DN	5594
T730015504DN	5594
T730023504DN	5594
T730024504DN	5594
T730025504DN	5594
T730043504DN	5595
T730044504DN	5595
T730045504DN	5595
T730063504DN	5595
T730064504DN	5595
T730065504DN	5595
T800028004AQ	5570
T800068004AQ	5572
T900061203DH	5598
T900121203DH	5599
T5100380040AQ	5572
T5100480040AQ	5572
T 112	159
T 900	159
T 4205 L1	128
TA05	6408
TA-1	105
TA-2	121
TA2SA817	290A
TA-3	105
TA3T006080	290A
TA3T0608K0	290A
TA-4	102A
TA-5	126A
TA6	123A
TA-6	123A
TA7	123A
TA-7	108
TA7W0124E0	2358
TA21R	5020A
TA50	116
TA78L	977
TA78L005	977
TA78L005A	977
TA78L005AP	977
TA78L005P	977
TA78L008	981
TA78L008A	981
TA78L008AP	981
TA78L008P	981
TA78L009	1902
TA78L009A	1902
TA78L009AP	1902
TA78L009P	1902
TA78L012	950
TA78L012A	950
TA78L012AP	950
TA78L012P	950
TA78L015	951
TA78L015A	951
TA78L015AP	951
TA78L015P	951
TA78L018	1906
TA78L018A	1906
TA78L018AP	1906
TA78L024	1908
TA78L024A	1908
TA78L024AP	1908
TA78L024P	1908
TA100	116
TA-100-W	1355
TA100W	1355
TA117	704
TA200	116
TA205P	1155
TA300	116
TA400	116
TA500	116
TA562TM-O	290A
TA600	116
TA766AP	1651
TA800	125
TA1000	125
TA1062	116
TA1063	116
TA1064	116
TA1205	A40240
TA1210	A40240
TA1222	5511
TA1225 @	A40240-@-5512
TA1575	102A
TA-1575	102A
TA1575B	102A
TA-1575B	100
TA-1614	121
TA1614	121
TA1620A	103
TA-1620A	103A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
TA-1620B	103A
TA1620B	103
TA1628	160
TA-1628	160
TA-1650A	126A
TA1650A	160
TA1655B	102A
TA-1655B	100
TA-1658	160
TA1658	160
TA1659	160
TA-1659	160
TA1660	160
TA-1660	160
TA1662	160
TA-1662	160
TA1682	121
TA-1682	121
TA1682A	121
TA-1682A	121
TA-1697	102A
TA1697	102A
TA1704	100
TA-1704	100
TA-1705	121
TA1705	121
TA1706	102A
TA-1706	102A
TA1730	102A
TA-1730	102A
TA-1731	160
TA1731	160
TA-1755	126A
TA1755	160
TA1756	160
TA-1756	126A
TA1757	160
TA-1757	160
TA1759	101
TA-1759	101
TA1763	100
TA-1763	100
TA-1763A	100
TA1763A	100
TA1765	121
TA-1765	121
TA1766	121
TA-1766	121
TA1767	101
TA-1767	101
TA1771	101
TA-1771	101
TA1772	101
TA-1772	101
TA-1773	121
TA1773	121
TA-1778	100
TA1778	100
TA-1782	100
TA1782	100
TA1783	100
TA-1783	100
TA-1794	121
TA1794	121
TA-1796	160
TA1796	160
TA-1797	160
TA1797	160
TA1798	160
TA-1798	160
TA-1828	160
TA1828	160
TA1829	160
TA-1829	160
TA-1830	126A
TA1830	160
TA-1846	160
TA1846	160
TA1847	160
TA-1847	160
TA-1860	160
TA1860	160
TA1861	160
TA-1861	160
TA-1881	121
TA1881	121
TA1890	121
TA-1890	121
TA-1891	121
TA1891	121
TA1928A	127
TA2083	127
TA2188	127
TA2301	121
TA2322	160
TA2401	108
TA2402	175
TA2402A	175
TA2405	A40240
TA2410	A40240
TA2425	A40240
TA2442	5504
TA2444	5504
TA2494	71
TA2495	71
TA2503	108
TA2509	124
TA2509A	124
TA2554	161
TA2555	161
TA2577A	130
TA2598	314
TA2618	314
TA2621	314
TA2644	222
TA2653	230
TA2654	230
TA2655	230
TA2672	121
TA2700	124
TA2710	278
TA2761	77
TA2773	5513
TA2800	278
TA2819	191
TA2840	220
TA2888	5455
TA2889	5455
TA2892A	5640
TA2893A	5651
TA2894A	5652
TA2911	152
TA5158C	903
TA5180C	903
TA5274	711
TA5274(RCA)	711
TA5278D	908
TA5348D	908
TA5349D	908
TA5401D	908
TA5402D	908
TA5403D	908
TA5561D	913§
TA5562D	913§
TA5628	788
TA5649	714
TA5649(RCA)	714
TA5702	715
TA5702(RCA)	715
TA5814	712
TA5814(RCA)	712
TA5912	790
TA5912(RCA)	790
TA6155	744
TA6200	128
TA6220	708
TA6243	731
TA6243(RCA)	731
TA6319(RCA)	797
TA6404	798
TA6405	738
TA6472	984
TA6480	1175
TA6523	749
TA7006P	1149
TA7027M	726
TA7028M	1188
TA7029AP-B	1023
TA7031M	901
TA7037M	726
TA7038M	704
TA7045	724
TA-7045M	724
TA7045M	724
TA-7045-M	724
TA7046P	1108
TA7047M	904
TA7050M	711
TA7050P	1061
TA7051B	710
TA7051P	710
TA-7051P	710
TA7053M	707
TA7054P	1106
TA7055P	1205
TA7055P-E	1205
TA7055P-F	1205
TA7057M	905
TA7060	1104
TA7060AP	1104
TA7060P	1104
TA7060P-10	1104
TA7060PR	1104
TA7060PRW	1104
TA7060PW	1104
TA7061	1100
TA7061(AP)	1100
TA7061A	1100
TA-7061AP	1100
TA7061AP	1100
TA7061B	1100
TA7061BP	1100
TA7061P	1100
TA-7062P	1102
TA7062P	1102
TA7063	1103
TA7063P	1103
TA-7063P	1103
TA7063P-B	1103
TA7063PB	1103
TA7063PC	1103
TA7063P-C	1103
TA7063P-D	1103
TA7063PD	1103
TA7063P-E	1103
TA7063P-O	1103
TA7064P	1235
TA7064P-JA	1235
TA7066P	1468
TA7068	130
TA7069	130
TA7069P	1101
TA-7069P	1101
TA7070	1004
TA7070GL	1004
TA7070P	1004
TA7070PFA-1	1004
TA7070PGL	1004
TA7071GL	712
TA7071P	712
TA7072P	748A
TA7073	748A
TA7073AP	748A
TA7073P	748A
TA7074GL	749
TA7074P	749
TA7074PGL	749
TA7075	1080
TA7075P	1080
TA7075PL	1080
TA7076AP	1109
TA7076P	1109
TA7076P(FA-1)	1109
TA7076P(FA-7)	1109
TA7076P(FA-6)	1109
TA7086M	309K
TA7092AP	1023
TA7092AP-B	1023
TA7092AP-C	1023
TA7092P	1107
TA7092P-A	1107
TA7092P-B	1107
TA7092P-C	1107
TA7092P-D	1107
TA7092P-H	1107
TA7102P	1105§
TA7102P(FA-2)	1105§
TA7102P(FA-1)	1105§
TA7103P	739
TA7106P	1149
TA7108	1456
TA7108FA	1456
TA7108P	1456
TA7117P	1022
TA7120	1087
TA7120B	1087
TA7120P	1087
TA-7120P	1087
TA7120PB	1087
TA7120P-C	1087
TA7120P-D	1087
TA7120P-E	1087
TA7122AP	1085
TA7122AP-C	1085
TA7122APC	1085
TA7122AP-D	1085
TA7122AR	1085
TA7122P-B	1085
TA7124P	1128
TA7124P/FA-2	1128
TA7124PFA-3	1128
TA7124PFA-4	1128
TA7127P	1200
TA7129	1462
TA7129AP	1462
TA7129FG	1462
TA7129P	1462
TA7130P	1234
TA7130PB	1234
TA7130P-B	1234
TA7130PC	1234
TA7134(TRANSISTOR)	228A
TA7136AP	1464
TA7136FA	1464
TA7136P	1464
TA7137	1466
TA7137(TRANSISTOR)	152
TA7137FB	1466
TA7137P	1466
TA7137P-ST	1466
TA7137P/ST	1466
TA7140FB	1468
TA7140P	1468
TA7145P	1134
TA7146P	1133
TA7148P	1131
TA7149	221
TA7149P	1132§
TA7150	221
TA7150P	1130
TA7151	221
TA7153	OBS-NLA
TA7153P	OBS-NLA
TA-7155	196
TA7155	196
TA7156	152
TA7156P	801
TA7157AP	1206
TA7157P	1206
TA7159P	1243
TA7167	1200
TA7167P	1200
TA7176AP	1236
TA7176APFA-1	1236
TA7176P	1236
TA7176PFA-1	1236
TA7176PG	1236
TA7189	222
TA7192P	1196
TA7200	390
TA7200P	1153◆
TA7201	390
TA7202	390
TA7202P	1259§
TA7203	1154
TA-7203P	1154
TA7203P	1154
TA7204	1153
TA7204P	1153
TA-7204P	1153
TA7205	1155
TA7205A	1155
TA7205AP	1155
TA7205P	1155
TA7207P	1476
TA7208FG	1476
TA7208P	1476
TA7209P	1222
TA7212FA	1385
TA7212P	1385
TA7214P	1273
TA7215FA	1379
TA7215P	1379
TA7217AP	1370
TA7217FG	1370
TA7217P	1370
TA7222AP	1278
TA7222AP-2	1278
TA7222P	1278
TA7226FG	1478
TA7226P	1478
TA7227FB	1394
TA7227P	1394
TA7227P-K	1394
TA7229FB	1372
TA7229P	1372
TA7230FA	1387
TA7230P	1387
TA7230T	1387
TA7242P	1245◆
TA7262	152
TA7262(RCA)	221
TA7274	222
TA7279	285
TA7280	219◆
TA7281	219
TA7292	154
TA7293	154
TA7302FG	1474
TA7302P	1474
TA7303(Transistor)	108
TA7303FG	1525
TA7303P	1525
TA7310	1192
TA7310A	1192
TA7310P	1192
TA7310P-O	1192
TA7311(Transistor)	182
TA7312(Transistor)	182
TA7312AP	1523
TA7312FB	1523
TA7312P	1523
TA7313(RCA)	182
TA-7313AP	1465
TA7313AP	1465
TA7313FB	1465
TA7313P	1465
TA7314(Transistor)	182
TA7314FG	1521
TA7314P	1521
TA7315(Transistor)	182
TA7316(Transistor)	182
TA7318(Transistor)	182
TA7318(IC)	1498
TA7318FA	1498
TA7318P	1498
TA7319(Transistor)	108
TA7325P	1730
TA7343(IC)	1657
TA7343AP	1657
TA7343FA	1657
TA7343P	1657
TA7343PS	1657
TA7362(Transistor)	196
TA7363(Transistor)	152
TA7374(FET)	222
TA7399(FET)	222
TA7404	5463
TA7405	5465
TA7420	283
TA7461	5697
TA7462	5697
TA7500	5640
TA7501	5641
TA7502	5642
TA7502M	909
TA7503	5643
TA7504FA	941S
TA7504M	941
TA7504P	941M
TA7504S	941S
TA7504S-G	941S
TA7504S-R	941S
TA7506M	1171
TA7506P	975
TA7520	185
TA7554	152
TA7555	152
TA7555P	955M
TA7556	153
TA7557	153
TA7579	5643
TA7580	5643
TA7581	5643
TA7582	5643
TA7584	5697
TA7607AP	1545
TA7607BP	1545
TA7607FG	1545
TA7607P	1545
TA7608AP	1532
TA7608BP	1532
TA7608CP	1532
TA7608CPFA-5	1532
TA7608CPFA-6	1532
TA7608CPGS-4	1532
TA7608CPGS-5	1532
TA7608FA-5	1532
TA7608FA-6	1532
TA7608FB	1532
TA7608P	1532
TA7608PGS-4	1532
TA7608PGS-5	1532
TA7609AP	1496
TA7609FB	1496
TA7609GS-2	1496
TA7609P	1496
TA7609PFA	1496
TA7609PFA-2	1496
TA7609PGS-2	1496
TA7611AP	1413
TA7611AP-S	1413
TA7611FG	1413
TA7611P	1413
TA7612AP	1519
TA7612FB	1519
TA7612P	1519
TA7613P	1624
TA7614(IC)	1654
TA7614AP	1654
TA7614AP-Y	1654
TA7614FB	1654
TA7614P	1654
TA7630	1576
TA7630FA	1576
TA7630P	1576
TA7643	1617
TA7643P	1617
TA7644A	1547
TA7644AP	1547
TA7644B	1547
TA7644BP	1547
TA7644BPFA-1	1547
TA7644FA	1547
TA7644FB	1547
TA7644P	1547
TA7658	1571
TA7658FB	1571
TA7658P	1571
TA7662P	1196
TA7664A	1573
TA7664AP	1573
TA7664AP(FA-1)	1573
TA7664P	1573
TA7664PFA-1	1573
TA7668BP	1651
TA7668FB	1651
TA7668P	1651
TA7669	222
TA7670NS	1671
TA7670P	1671
TA7671P	1236
TA7671PFA-1	1236
TA7673P	1611
TA7680	1572
TA7680A	1572
TA7680AP	1572
TA7680FB	1572
TA7680P	1572
TA7681	1570
TA7681A	1570
TA7681AP	1570
TA7681FA	1570
TA7681P	1570
TA7684	222
TA7739	228A
TA7740	228A
TA7741	187
TA7742	197
TA7743	197
TA7782	196
TA7783	196
TA7784	196
TA7802	116
TA7803	116
TA7804	116
TA7805	125
TA7806	125
TA7818AP	958
TA7824AP	972
TA7996	116
TA8158	230
TA8159	230
TA8160	515
TA8161	515
TA8162	515
TA8205P	1155
TA8210	197
TA8211	197
TA8212	197
TA8231	196
TA8232	196
TA8233	196
TA8242	222
TA8442	130◆
TA8443	130
TA8638A(Trans)	284MP
TA8724	219
TA8726	130
TA10273	842
TA10273W	842
TA10280	841
TA10280G	841
TA10702(IC)	867
TA10806	844
TA10910	873
TA10943	875
TA10944	874
TA10955(IC)	868
TA11029(IC)	1231A
TA11167	1682
TA11419	1739
TA16090	230
TA16091	231
TA70639	1052
TA75324P	987
TA75339	834
TA75339P	834
TA75358P	928M◆
TA75393P	943M
TA75458P	778A
TA75458S	1529
TA75557P	778A
TA75557S	1529
TA75558P	778A◆
TA75558S	1529
TA75558S-1	1529
TA75559S	1529
TA75902P	987
TA78005AP	960
TA78005M	309K
TA78005P	960
TA78010AP	1932
TA78012M	1914
TA78012P	966
TA78015AP	968
TA78015M	1916
TA78015P	968
TA78024AP	972
TA198030-4	123A
TA198035-1	128
TA198036-2	159
TA198785-2	519
TA8532787	519
TAA380	704
TAA521	909
TAA521/709	909
TAA521A	909D
TAA521A/709C	909D
TAA522	909
TAA522/709	909
TAA550	615A
TAA550A	615A
TAA550B	615A
TAA550C	615A
TAA550/N3	615A
TAA611A12	1113
TAA611B	1113
TAA611B12	1113
TAA611C11	1118
TAA621	1111§
TAA621A11	1111§
TAA621A12	1112
TAC-047	123A
TAC047	123A
TAG1-200	5408
TAG1-400	5409
TAG1-500	5410
TAG2N400	5465
TAG2.5-100	5408
TAG2.5-200	5408
TAG2.5-300	5409
TAG2.5-400	5409
TAG3-50R	5511
TAG3-100R	5511
TAG3-200R	5511
TAG3-300R	5512
TAG3-400R	5512
TAG3-500R	5513
TAG3-600R	5513
TAG7-50R	5491
TAG7-100R	5491
TAG7-200R	5492
TAG7-300R	5494
TAG7-400R	5494
TAG7-500R	5496
TAG7-600R	5496
TAG9N-400DU	5545
TAG9N-600DU	5547
TAG9N-800DU	5548
TAG10-50R	5491
TAG10-100R	5491
TAG10-200R	5492
TAG10-300R	5494
TAG10-400R	5494
TAG10-500R	5496
TAG10-600R	5496
TAG14N-400DU	5545
TAG14N-600DU	5547
TAG14N-800DU	5548
TAG16N-400DU	5545
TAG16N-600DU	5547
TAG16N-800DU	5548
TAG16N-800LU	5548
TAG20-50R	5541
TAG20-100R	5542
TAG20-200R	5543
TAG20-300R	5545
TAG20-400R	5545
TAG20-500R	5547
TAG20-600R	5547
TAG60A(AGK)	5401
TAG60F(AGK)	5401
TAG60Y(AGK)	5400
TAG62A	5402
TAG62F	5401
TAG62Y	5400
TAG92-1	5655
TAG92-2	5655
TAG92-3	5655
TAG92-4	5655
TAG92-5	5656
TAG92-6	5656
TAG96-A	5602
TAG96-B	5603
TAG96-D	5605
TAG96-E	5607
TAG96-M	5607
TAG200-100	5640
TAG200-200	5641
TAG200-400	5642
TAG200-600	5643
TAG201-100	5650
TAG201-200	5651
TAG201-400	5652
TAG201-600	5653
TAG220-200	5645
TAG220-400	5645
TAG220-600	5645
TAG222-400	5608
TAG222-600	5609
TAG222-800	5610
TAG224-200	56004
TAG224-600	56008
TAG225-200	5645
TAG225-400	5645
TAG225-600	5645
TAG230-100	5645
TAG230-200	5645
TAG230-400	5645
TAG230-600	5645
TAG231-100	5645
TAG231-200	5645
TAG231-400	5645
TAG231-600	5645
TAG240-200	5645
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TAG620-200	5463
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TAG620-800	5468
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TAG622-200	5437

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TC0918	108
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TC0.09M22/1	166
TC0.09m22/1	5804
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TD3495A	7495
TD3495AP	7495
TD3503A	74164
TD3503AP	74164
TD3505	1209
TD4003	5409
TD5003	5410
TD5051	385
TD6306	1746
TD6306H	1746
TD6306P	1746
TD6306PA	1746
TD6312	1677
TD6312P	1677
TD6350	1677
TD6350AP	1677
TD6350P	1677
TD34107AP	74107
TD34121A	74121
TD34121AP	74121
TD34192A	74192
TD34192AP	74192
TD34192BP	74192
TD34193BP	74193
TD62001AP	2011
TD62002AP	2012
TD62003AP	2013
TD62004AP	2014
TD62006P	2077
TD62007P	2076
TD62064AP	2085◆
TD62081AP	2016
TD62082AP	2017
TD62083AP	2018
TD62084AP	2019
TD62104P	2079
TD62105P	2079
TD62307	2090

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
TD62307P	2090
TD62307PB	2090
TD62781AP	2021
TD62782AP	2022
TD81515	177
TD200401A0	375
TD200401AL	375
TD960016-1M	177
TD20004710	293
TDA0741D	941M
TDA1060	1672
TDA1060A	1672
TDA1083	1624
TDA1170	1289
TDA1190P	1231A
TDA1190Z	1231
TDA1200	788
TDA1330	747
TDA1330P	747
TDA1352	749
TDA1352P	749
TDA1405	960
TDA1412	966
TDA1415	968
TDA2002	1232
TDA2002AV	1232
TDA2003	1288
TDA2003V	1288
TDA2004	1396
TDA2005BM	1396
TDA2005M	1396
TDA2006	1378
TDA2006BV	1378
TDA2008	1374
TDA2008BV	1374
TDA2020	1287
TDA2020AC2	1287
TDA2030	1380
TDA2030BV	1380
TDA2040	1376
TDA2040BV	1376
TDA2540	1413
TDA2544	1545
TDA2544Q	1545
TDA2546	1752
TDA2546A	1752
TDA2546AN	1752
TDA2546BM	1752
TDA2546N	1752
TDA2548	1545◆
TDA2577	1632
TDA2577A	1632
TDA2577BV	1632
TDA2611	1566
TDA2611A	1566
TDA2611AQ	1566
TDA2611BV	1566
TDA2791	1652
TDA2791BM	1652
TDA2791DP	1652
TDA2791P	1652
TDA3047BV	1761
TDA3047P	1761
TDA3048BM	1762
TDA3048P	1762
TDA3081B	916
TDA3081N	916
TDA3190	1231A
TDA3410	1577
TDA3410BM	1577
TDA3570	1416
TDA3651	1567◆
TDA3651A	1567
TDA3651AQ	1567
TDA3651BM	1567
TDA3651BV	1754
TDA3654	1754
TDA3654Q	1754◆
TDA3654U	1754
TDA4190	1633
TDB0117	970
TDB0117T	956
TDB0124ADP	987
TDB0124DP	987
TDB0193DP	943M
TDB0555B	955M
TDB0556A	978
TDB0723	923
TDB0723A	923D
TDB2905SP	961
TDB2912SP	967
TDB2915SP	969
TDB7805	309K
TDB7805T	960
TDB7806T	962
TDB7808T	964
TDB7812	1914
TDB7812T	966
TDB7815	1916
TDB7815T	968
TDB7818	1920
TDB7824	1924
TDB7824T	972
TDC2710P	910D
TDC2710V	910
TDC2711P	911D
TDC2711V	911
TDD1605	960
TDD1605S	960◆
TDD1606	962◆
TDD1606S	962◆
TDD1608	964◆
TDD1608S	964◆
TDD1610	1932◆
TDD1610S	1932◆
TDD1612	966◆
TDD1612S	966◆
TDD1615	968◆
TDD1615S	968◆
TDD1618	958◆
TDD1618S	958◆
TDD1624	972◆
TDD1624S	972◆
T-E0137	358
T-E0317	358
T-E01029D	116
TE500	312
TE-500-E	312
TE697	123A
TE706	108
TE901	130
TE1010	116
TE1011	116
T-E1011	116
T-E1014	109
TE1014	109
T-E1024	116
TE1024	116
TE1024C	116
T-E1024C	116
T-E1024D	116
TE1024D	116
T-E1029	507
TE1029	116
T-E1031	109
TE1031	109
TE1042	116
T-E1042	166
T-E1050	116
TE1050	116
T-E1061	113A
TE1061	113A
T-E1061A	113A
TE1061A	113A
TE1064	125
T-E1064	116
T-E1068	142A
TE1068	142A
T-E1077	142A
TE1077	142A
T-E1078	116
TE1078	116
T-E1078A	116
TE1080	116
T-E1080	116
T-E1086	113A
TE1086	113A
T-E1086A	113A
TE1088	116(3)
T-E1088	116
TE1089	116
T-E1089	116
T-E1090	116
TE1090	116
TE1095	118
T-E1095	118
T-E1097	116
TE1097	116
TE1098	109
T-E1098	177
T-E1102	116
T-E1102A	116
TE1105	109
TE1105	110MP
T-E1106	142A
T-E1107	119
T-E1108	507
TE1108	116
TE1114	118
T-E1118	177
T-E1119	177
T-E1121	177
T-E1124	116
T-E1133	116
T-E1138	116
T-E1140	142A
T-E1144	116
T-E1145	506
T-E1146	506
T-E1148	116
T-E1153	506
T-E1155	116
T-E1157	116
T-E1171	116
T-E1176	116
T-E1177	110MP
TE1420	123A
TE1990	128
TE2369	123A
TE2484	108
TE2711	199
TE2712	199
TE2713	172A
TE2714	172A
TE2715	108
TE2716	108
TE2921	199
TE2922	199
TE2923	199
TE2924	199
TE2925	199
TE2926	199
TE3390	199
TE3391	199
TE3391A	199
TE3392	199
TE3393	199
TE3394	199
TE3395	199
TE3396	199
TE3397	199
TE3398	199
TE3414	123A
TE3415	123A
TE3416	128
TE3417	192
TE3605	123A
TE3605A	123A
TE3607	123A
TE3702	193
TE3703	193
TE3704	123A
TE3705	123A
TE3707	108
TE3708	108
TE3709	108
TE3710	108
TE3711	108
TE3843	199
TE3844	199
TE3845	199
TE3854	199
TE3854A	199
TE3855	199
TE3855A	199
TE3859	199
TE3859A	192
TE3860	199
TE3900	199
TE3900A	199
TE3901	199
TE3903	123A
TE3904	123A
TE3905	159
TE3906	123A
TE4123	123A
TE4124	123A
TE4125	159
TE4126	159
TE4256	199
TE4424	123A
TE4425	192
TE4951	123A
TE4952	123A
TE4953	123A
TE4954	123A
TE5086	193
TE5087	193
TE5088	199
TE5089	199
TE5249	199
TE5309	199
TE5309A	123A
TE5310	199
TE5311	199
TE5311A	123A
TE5365	159
TE5366	159
TE5367	193
TE5368	123A
TE5369	123A
TE5370	123A
TE5371	123A
TE5376	123A
TE5377	123A
TE5378	159
TE5379	159
TE5447	159
TE5448	159
TE5449	123A
TE5450	123A
TE5451	123A
TEA1009	1763
TEA1009G	1763
TEC9011	123AP
TEC9011E	123AP
TEC9011F	123AP
TEC9011G	123AP
TEC9011H	123AP
TEC9011I	123AP
TEC9012	159
TEC9012F	159
TEC9012G	159
TEC9012H	159
TEC9012I	159
TEC9012J	159
TEC9013	128P
TEC9013F	128P
TEC9013G	128P
TEC9013H	128P
TEC9013I	128P
TEC9013J	128P
TEC9014	123AP
TEC9014A	123AP
TEC9014B	123AP
TEC9015	159
TEC9015A	159
TEC9015B	159
TEC9015C	159
TEC9016(EBC)	108
TEC9016F(EBC)	108
TED1402(CBE)	123AP
TED1402A(CBE)	123AP
TED1402B(CBE)	123AP
TED1402C(CBE)	123AP
TED1602(CBE)	159
TED1602A(CBE)	159
TED1602B(CBE)	159
TED1602C(CBE)	159
TED1602D(CBE)	159
TED1702(CBE)	123AP
TED1702K(CBE)	123AP
TED1702L(CBE)	123AP
TED1702M(CBE)	123AP
TED1802(CBE)	159
TED1802K(CBE)	159
TED1802L(CBE)	159
TED1802M(CBE)	159
TF7	124
TF20	116
TF21	116
TF22	116
TF23	116
TF30	102A
TF-30	102A
TF34	177
TF44	177
TF44J	177
TF49	102A
TF50S6344G	5424
TF65	102A
TF-65	102A
TF65/30	102A
TF65M	158
TF65/M	102A
TF65/S/30	102A
TF-66	102A
TF66	102A
TF66/30	102A
TF66/60	102A
TF70	101
TF71	101
TF72	101
TF75	102A
TF77	102A
TF78	104
TF-78	123A
TF78/30	104
TF78/30Z	121
TF78/60	121
TF-80/30	121
TF80/30	121
TF80/30Z	121
TF80/302	102A
TF101-A	128
TF101-B	128
TF101-D	128
TF320M	5465
TF320MA	5437
TF320M-AZ	5437
TF340M	5465
TF620M	5465
TF640M	5465
TF4016AN	4016B
TFH340M	5424#
TFH340MF	5424#
TFH340MFLC6	5424#
TFR105	125
TFR110	125
TFR-120	116
TFR120	116
TFR140	125
TFS340M	5424#
TFS340MX	5424#
TG2SA201	126A
TG2SA201-0	126A
TG2SA201-0-A	126A
TG2SA201C	126A
TG2SA201-N	126A
TG2SA608	159
TG2SA608C	159
TG2SA608D	290A
TG2SA608-D	290A
TG2SA608E	290A
TG2SA608-E(ECB)	159
TG2SB511-1	153
TG2SB511-E	153
TG2SC65	154
TG2SC65Y	154
TG2SC536	85
TG2SC536C	199
TG2SC536-D-A	199
TG2SC536-D-B	199
TG2SC536E	85
TG2SC536-E	199
TG2SC536-E-A	199
TG2SC536-E-B	199
TG2SC536-F	85
TG2SC536F	85
TG2SC536-F-A	199
TG2SC927	161
TG2SC927A	107
TG2SC927C	107
TG2SC927-C-A	319P
TG2SC927-D-A	319P
TG2SC927-DD-A	161
TG2SC927-E-A	319P
TG2SC983	287
TG2SC1025	175
TG2SC1025D	175
TG2SC1046N-A	165
TG2SC1175	289A
TG2SC1175C	123A
TG2SC1175-C	123A
TG2SC1175-C-A	123A
TG2SC1175-D	123A
TG2SC1175-D-A	123A
TG2SC1175-E	123A
TG2SC1175-E-A	123A
TG2SC1293	107
TG2SC1293-A	233
TG2SC1293A	161
TG2SC1293-A-A	233
TG2SC1293-B	233
TG2SC1293B	233
TG2SC1293-B-A	233
TG2SC1293C	233
TG2SC1293-C	233
TG2SC1293-C-A	233
TG2SC1293-D	233
TG2SC1293D	233
TG2SC1293-D-A	233
TG2SC1295	165
TG2SC1295-0	165
TG2SC1295O	389
TG2SC1295-O-A	165
TG2SC1520-1	198
TG2SC1755	376
TG2SC1755-C-A	198
TG2SC1756	198
TG2SC1756-C	198
TG2SC1756-C-A	198
TG2SC1756-C-B	198
TG2SC1756-D	198
TG2SC1756-D-A	198
TG2SC1756-D-B	198
TG2SC1756-D-C	198
TG2SC1756-D-R	198
TG2SC1756-E	198
TG2SC1756-E-A	198
TG2SC1756-E-B	198
TG2SC1756K	376
TG2SC2057C	229
TG2SC2057-C	319P
TG2SC2057D	229
TG2SC2057-D	229
TG2SC2228	399
TG2SC2271	399
TG2SC12950	165
TG2SD24	124
TG2SD24Y	124
TG2SD325-1	152
TG2SD325-E	152
TG2SD386-E	375
TG2SD386-F	375
TG2SD386YD	375
TG2SD386Y-D	375
TG2SD386Y-D-A	198
TG2SD386Y-E	375
TG2SD386YE	375
TG2SD386Y-E-A	198
TG2SD575L	165
TG2SD612-E	184
TG2SD612-F	184
TG2SD627	389
TG11	116
TG-11	116
TG11(TRANSISTOR)	176
TG-12	116
TG12	116
TG20A	116
TG-21	116
TG21	116
TG22	116
TG-22	116
TG-28	109
TG31	116
TG-31	116
TG-32	116
TG32	116
TG-41	116
TG41	116
TG-42	116
TG42	116
TG-48	109
TG48	158
TG51	116
TG-51	116
TG-52	116
TG52	116
TG61	116
TG-61	116
TG-62	116
TG62	116
TH1S557	116
TH-1S750	112
TH2SA733-Q	294
T-H2SC313	108
T-H2SC387	108
TH2SC536	123A
T-H2SC536	123A
TH2SC693	123A
T-H2SC693	123A
T-H2SC715	123A
TH2SC715	123A
TH5-1	357
TH5-8	350
TH5-15	351
TH5-29	349
TH50	116
TH400	116
TH600	116
TH800	125
TH801	116
TH802	116
TH803	116
TH804	116
TH805	116
TH806	116
TH808	125
TH810	125
TH1000	125
TH7251	196
THAL226	5645
THC12B	5127A
TH-H2SC313	161
THSG105	116
THSHZ7B2	5014A
THU60U	102A
ThyDF75A40-V1	5721
ThyDF75A40-V2	5722
ThyDF75A53-V1	5721
ThyDF75A53-V2	5722
ThyDF75A60-V1	5721
ThyDF75A60-V2	5722
ThyDG75A40-V1	5721
ThyDG75A40-V2	5722
ThyDG75A53-V1	5721
ThyDG75A53-V2	5722
ThyDG75A60-V1	5721
ThyDG75A60-V2	5722
ThyDG75A80-V1	5721
ThyDG75A80-V2	5722
ThyDH75A40-V1	5721
ThyDH75A40-V2	5722
ThyDH75A53-V1	5721
ThyDH75A53-V2	5722
ThyDH75A60-V1	5721
ThyDH75A60-V2	5722
ThyDH75A80-V1	5721
ThyDH75A80-V2	5722
ThyF75A40-V	5720
ThyF75A53-V	5720
ThyF75A60-V	5720
ThyF75A80-V	5720
ThyG75A40-V	5720
ThyG75A53-V	5720
ThyG75A60-V	5720
ThyG75A80-V	5720
ThyH75A40-V	5700
ThyH75A53-V	5700
ThyH75A60-V	5700
ThyH75A80-V	5700
TI-1A6	131
TI1A6	123A
TI-7A	131
TI24A	123A
TI24B	123A
TI25A	108
TI25B	108
TI40A0	5481
TI40A1	5482
TI-40A1	5483
TI-40A2	5483
TI40A2	5483
TI40A3	5485
TI40A4	5485
TI42	6407
TI42A	6408
TI43A	6408
TI-51	177
TI51	177
TI52	116
TI53	116
TI-53	116
TI54	116
TI54A	123A
TI54B	123A
TI54C	123A
TI54D	199
TI54E	123A
TI-55	116
TI55	116
TI-56	5800
TI56	116
TI57	116
TI58	116
TI59	116
TI60	116
TI-71	116
TI71	116
TI-92	123A
TI-132	5483
TI-136	5483
TI136	5483
TI137	5485
TI138	5485
TI145A4	5409
TI152	116
TI266A	121
TI-266A	121
TI269	121
TI-269	121
TI338	160
TI-338	160
TI363	160
TI-363	100
TI-364	100
TI364	160
TI365	160
TI-365A	166
TI366	121
TI-366	121
TI-366A	121
TI366A	121
TI-367	121
TI367	121
TI-367A	121
TI367A	121
TI368	121
TI-368	121
TI368A	121
TI-368A	121
TI369	121
TI-369	121
TI-369A	121
TI369A	121
TI-370	121
TI370	104
TI370A	104
TI-370A	121
TI-387	160
TI-388	160
TI388	160
TI389	160
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TI396	160
TI397	160
TI398	160
TI399	160
TI400	160
TI-400	160
TI401	160
TI-401	160
TI402	160
TI403	160
TI-403	160
TI407	108
TI-407	161
TI-408	161
TI408	108
TI-409	161
TI409	108
TI-410	108
TI410	108
TI411	123A
TI-412	123A
TI-413	123A
TI-414	123A
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TI-416	199
TI416	123A
TI417	123A
TI-417	108
TI-418	199
TI418	123A
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TI420	123A
TI-420	108
TI-421	199
TI422	123A
TI-422	123A
TI-423	123A
TI-424	128
TI424	123A
TI-425	128
TI-428	159
TI-429	159
TI-430	108
TI430	123A
TI431	108
TI-431	108
TI-432	123A
TI432	123A
TI-433	123A
TI-474	108
TI-475	128
TI480	123A
TI-480	128
TI481	128
TI482	123A
TI-482	128
TI483	123A
TI-483	128
TI484	123A
TI-484	128
TI485	123A
TI-485	192
TI486	128◆
TI487	411/128◆
TI-490	108
TI-492	161
TI492	123A
TI-493	161
TI493	123A
TI-494	161
TI494	123A
TI495	123A
TI-495	108
TI-496	128
TI496	123A
TI503	159
TI-503	159
TI-714	123A
TI714	123A
TI-714A	123A
TI-722	154
TI722	171
TI-741	312
TI741	312
TI-743	159
TI743	159
TI-744	159
TI744	159
TI751	123A
TI-751	123A
TI752	159
TI-752	159
TI802B	123A
TI803B	123A
TI-806G	123A
TI808E	129
TI810B	123A
TI811G	128
TI-890	159
TI-891	193
TI904	123A
TI-905	159
TI-906	159
TI907	123A
TI-907	123A
TI-908	123A
TI908	123A
TI1131	73◆
TI1132	73◆
TI1133	73◆
TI1134	73◆
TI1135	73◆

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
TI1136	73◆
TI1151	73◆
TI1152	73◆
TI1153	73◆
TI1154	73◆
TI1155	73◆
TI1156	73◆
TI3010	160
TI3011	160
TI3012	121
TI3015	128
TI3016	108
TI-3016	107
TI3027	121
TI3028	121
TI3029	121
TI-3030	179
TI-3031	179
TI64213	128
TIA01	102A
TIA-01	102A
TIA02	160
TIA03	100
TIA04	102
TIA05	100
TIA05A	100
TIA06	123A
TIA042	5483
TIA35	176
TIA102	123A
TIA722	222
TIC22	5667A
TIC23	5667A
TIC44(AGK)	5400
TIC45(AGK)	5401
TIC46(AGK)	5402
TIC46S-S7519	5404
TIC47(AGK)	5404
TIC54	6407
TIC55	6406§
TIC56	6407
TIC57	6406§
TIC60	5400
TIC61	5401
TIC62	5402
TIC63	5404
TIC64	5404
TIC106A	5437
TIC106B	5437
TIC106C	5437
TIC106D	5437
TIC106F	5437
TIC106Y	5437
TIC116A	5462
TIC116B	5463
TIC116C	5465
TIC116D	5465
TIC116F	5461
TIC205A	5650
TIC205B	5651
TIC205D	5652
TIC206A	5608
TIC206B	5608
TIC206D	5608
TIC216A	5608
TIC216B	5608
TIC216D	5608
TIC222B	5673
TIC222D	5675
TIC222E	5677
TIC225D	5608
TIC225M	5609
TIC225N	5610
TIC225W	5608
TIC226B	56004
TIC226D	56006
TIC232B	5673
TIC232D	5675
TIC232E	5677
TIC236A	56004
TIC236B	56004
TIC236C	56006
TIC236D	56006
TIC236E	56008
TIC236M	56008
TIC236N	56010
TIC236S	56010
TIC242B	5673
TIC242D	5675
TIC242E	5677
TIC252B	5683
TIC252D	5685
TIC252E	5687
TIC252M	5687
TIC262B	5683
TIC262D	5685
TIC262E	5687
TIC262M	5687
TIC272B	5693
TIC272D	5695
TIC272E	5697
TIC272M	5697
TIC536F	85
TIC2420	5677
TIE	718
TIJ	718
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TIL-34	3028
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TIL-113	3041
TIL114	3041
TIL115	3040
TIL116	3041
TIL117	3041
TIL118	3040◆
TIL119	3045
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TIL126	3041
TIL127	3084
TIL128	3084
TIL143	3100
TIL144	3100
TIL145	3101
TIL146	3101
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TIL157	3084
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TIL-209A	3007
TIL-211	3010
TIL211	3010
TIL212-1	3009
TIL-212-1	3009
TIL-216-1	3008
TIL216-1	3008
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TIL-216B	3007
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TIL220	3018
TIL224-1	3021
TIL-224-1	3021
TIL234-1	3024
TIL-234-1	3024
TIL241-1	3018
TIL-241-1	3022
TIL-302	3050
TIL302	3050
TIL-304	3051
TIL304	3051
TIL312(RHD)	3052
TIL-312(LHD)	3061
TIL312(LHD)	3061
TIL-312(RHD)	3052
TIL313P	3057
TIL-314(LHD)	3063
TIL314(LHD)	3063
TIL314(RHD)	3054
TIL-314(RHD)	3054
TIL-316(LHD)	3062
TIL-316(RHD)	3053
TIL316(LHD)	3062
TIL316(RHD)	3053
TIL-321	3078
TIL321	3078
TIL-322	3079
TIL322	3079
TIL3040	3040
TIM-01	160
TIM-10	160
TIM-11	160
TIM8224	8224
TIM8224N	8224
TIM8228	8228
TIM8228J	8228
TIM8228N	8228
TIN	718
TIP3A	197
TIP4	196
TIP-14	152
TIP14	184
TIP-24	196
TIP24	152
TIP27	157
TIP29	291
TIP-29	291
TIP-29A	291
TIP29/A	291
TIP29A	291
TIP-29B	291
TIP29/B	291
TIP29B	291
TIP-29C	291
TIP29C	291
TIP29/C	291
TIP29XA	291
TIP30	292
TIP-30	292
TIP-30A	292
TIP30A	292
TIP-30B	292
TIP30B	292
TIP-30C	292
TIP30C	292
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TIP31	291
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TIP31/A	291
TIP31A	291
TIP31/B	291
TIP31B	291
TIP-31B	291
TIP-31C	291
TIP31/C	291
TIP31C	291
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TIP32	292
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TIP-32A	292
TIP32/B	292
TIP32B	292
TIP-32B	292
TIP32/C	292
TIP32C	292
TIP-32C	292
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TIP33A	390
TIP33B	390
TIP-33B	390
TIP33/B	390
TIP33/C	390
TIP-33C	390
TIP34	391
TIP-34	391
TIP34/A	391
TIP34A	391
TIP-34A	391
TIP34B	391
TIP34/B	391
TIP-34B	391
TIP34C	391
TIP34/C	391
TIP-34C	391
TIP-35	392
TIP35	392
TIP-35A	392
TIP35A	392
TIP35/A	392
TIP35B	392
TIP-35B	392
TIP35/B	392
TIP35C	392
TIP35/C	392
TIP-35C	392
TIP36	393
TIP-36	393
TIP-36A	393
TIP36/A	393
TIP36A	393
TIP-36B	393
TIP36B	393
TIP36/B	393
TIP-36C	393
TIP36C	393
TIP36/C	393
TIP41	331
TIP-41	331
TIP41/A	331
TIP-41A	331
TIP41A	331
TIP41/B	331
TIP41B	331
TIP-41B	331
TIP41C	331
TIP41/C	331
TIP-41C	331
TIP-42	332
TIP42	332
TIP42/A	332
TIP42A	332
TIP-42A	332
TIP42/B	332
TIP-42B	332
TIP42B	332
TIP42C	332
TIP-42C	332
TIP42/C	332
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TIP-50	198
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TIP57A	2310
TIP58A	2310
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TIP61C	331
TIP62	153
TIP62A	153
TIP62B	332
TIP62C	332
TIP73	331
TIP-73	331
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TIP73A	331
TIP73B	331
TIP-73B	331
TIP-73C	331
TIP73C	331
TIP100	263
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TIP102(BALLY)	263
TIP105	264
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TIP141	270
TIP141T	2343
TIP142	270
TIP142T	2343
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TIP145T	2344
TIP146	271
TIP146T	2344
TIP147	271
TIP147T	2344
TIP160	2316
TIP161	2316
TIP162	2316
TIP418	331
TIP501	282§
TIP502	285
TIP503	175
TIP504	175
TIP-504	175
TIP505	95◆
TIP506	95◆
TIP509	328
TIP510	328
TIP515	328
TIP516	327
TIP525	385
TIP526	73◆
TIP530	384
TIP531	386
TIP532	386
TIP-535	385
TIP535	385
TIP536	385
TIP537	386
TIP538	386
TIP539	386
TIP540	386
TIP541	282§
TIP544	285
TIP545	285
TIP546	285
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TIP554	385
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TIP558	283
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TIP647	248
TIP666	97
TIP667	97
TIP668	98
TIP2955	393
TIP3055	392
TIPL775	97
TIPL775A	97
TIR01	116
TIR02	116
TIR03	116
TIR04	116
TIR05	116
TIR06	116
TIR07	125
TIR08	125
TIR09	125
TIR10	125
TIS03	159
TIS-03	159
TIS04	159
TIS14	312
TIS18	107
TIS22	123A
TIS23	123A
TIS24	108
TIS34	312
TIS37	159
TIS38	159
TIS39	311
TIS42	312
TIS43	6409
TIS44	123A
TIS45	123A
TIS46	123A
TIS47	123A
TIS48	123A
TIS49	123A
TIS50	159
TIS51	123A
TIS52	123A
TIS53	159
TIS54	159
TIS55	123A
TIS56	161
TIS57	161
TIS58	312
TIS59	312
TIS60	289A
TIS60A	128
TIS60B	128
TIS60C	128
TIS60D	128
TIS60E	128
TIS60M	128
TIS61	159
TIS61A	129
TIS61B	129
TIS61C	129
TIS61D	129
TIS61E	129
TIS61M	129
TIS62	108
TIS62A	108
TIS63	108
TIS63A	108
TIS64	108
TIS64A	108
TIS71	123A
TIS72	123A
TIS74(SDG)	467
TIS78	312
TIS79	312
TIS82	186
TIS83	123AP
TIS84	229
TIS85	108
TIS86	229
TIS87	229
TIS-88	312
TIS88	312
TIS90	289A
TIS90-2	123A
TIS91	159
TIS92	123A
TIS92-BLU	123A
TIS92-GRN	123A
TIS92-GRY	123A
TIS92M	128
TIS92-VIO	123A
TIS92-YEL	123A
TIS93	159
TIS93-BLU	159
TIS93-GRN	159
TIS93-GRY	159
TIS93M	129
TIS93-VIO	159
TIS93-YEL	159
TIS-94	199
TIS94	123A
TIS95	293
TIS96	293
TIS-97	199
TIS97	123AP
TIS98	128
TIS98A	108
TIS99	128
TIS100	287
TIS101	287
TIS102	154
TIS103	154
TIS104	159
TIS105	229
TIS106	194
TIS107	128
TIS108	229
TIS109	195A
TIS110	128
TIS111	128
TIS112	159
TIS113	123A
TIS114	123A
TIS125	123AP
TIS126	229
TIS129	229
TIS133	123AP
TIS134	123AP
TIS135	128
TIS136	128
TIS137	159
TIS138	288
TIS412	107
TIU3304	912
TI-UG-1888	177
TI-UG1888	177
TIV21	616
TIV21-4	616
TIV26	611
TIV27	611
TIV28	611
TIV306	610
TIX90	102A
TIX91	160
TIX92	160
TIX316	160
TIX440	5940
TIX441	5944
TIX442	5944
TIX712	123A
TIX804	159
TIX805	159
TIX876	108
TIX880	108
TIX888	195A
TIX890	159
TIX891	159
TIX895	100
TIX896	101
TIX1392	195A
TIX1393	195A
TIX3016	160
TIX3016A	160
TIX3032	160
TIXA01	100
TIXA02	100
TIXA03	100
TIXA-03	100
TIXA-04	100
TIXA04	100
TIXA-05	100
TIXA05	100
TIXD747	134A
TIXD753	137A
TIXD758	140A
TIX-M01	160
TIXM01	160
TIX-M02	160
TIXM02	160
TIXM03	160
TIX-M03	160
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TIX-M11	160
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TIXM108	160
TIX-M201	160
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TIXM205	160
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TIXM206	160
TIXM-206	160
TIX-M206	160
TIXM207	160
TIX-M207	160
TIXS09	108
TIXS10	108
TIXS12	123A
TIXS13	123A
TIXS28	108
TIXS29	108
TIXS30	108
TIXS31	108
TIXS-39	77
TJ-5A	116
TJ5A	116
TJ10A	116
TJ15A	116
TJ20A	116
TJ25A	116
TJ30A	116
TJ35A	116
TJ40A	116
TJ60A	116
TJJ-2SA763-6	234
TK1	5570
TK1K	432/5570
TK2	5570
TK2K	432/5570
TK4	5572
TK4K	5572/432
TK5	116
TK6	5572
TK6K	5572/432
TK8	5574
TK8K	432/5574
TK10	116
TK-10	116
TK10(SCR)	5574
TK10K	432/5574
TK11	116
TK12	5574
TK12K	432/5574
TK20	116
TK21	116
TK-23C	102A
TK23C	102A
TK-30	116
TK30	116
TK33C	101
TK40	102
TK-40	116
TK40A	102A
TK-40C	102A
TK40C	102
TK40CA	102A
TK-41	116
TK41	102
TK41A	102A
TK41C	160
TK-41C	102A
TK42	102
TK42A	102A
TK-42C	102A
TK42C	160
TK45C	102
TK-45C	102A
TK49C	102A
TK50	116
TK60	116
TK61	116
TK210	5580
TK210K	5580
TK220	5580
TK220K	5580
TK240	5582
TK240K	5582
TK260	5582
TK260K	5582
TK280	5584
TK280K	5584
TK310	5587
TK310K	5587
TK320	5587
TK320K	5587
TK340	5587
TK340K	5587
TK360	5587
TK360K	5587
TK380	5589
TK380K	5589
TK400	116
TK600	116
TK-705M	113A
TK705M	113A
TK800	125
TK1000	125
TK1201K	5570
TK1201M	5570‡
TK1202K	5570
TK1202M	5570‡
TK1204K	5572
TK1204M	5572‡
TK1206K	5572
TK1206M	5572‡
TK1208K	5574
TK1208M	5574‡
TK1210K	5574
TK1210M	5574‡
TK1212K	5574
TK1212M	5574‡
TK1228-001	160
TK1228-1001	126A
TK1228-1002	102A
TK1228-1003	102A
TK1228-1004	102A
TK1228-1005	102A
TK1228-1006	102A
TK1228-1007	102A
TK1228-1008	123
TK1228-1009	123
TK1228-1010	123A
TK1228-1011	123A
TK1228-1012	123A
TK1401	5580◆
TK1401K	5580◆
TK1402	5580◆
TK1402K	5580◆
TK1404	5582◆
TK1404K	5582◆
TK1406	5582◆
TK1406K	5582◆
TK1408	5584◆
TK1408K	5584◆
TK1410	5584◆
TK1410K	5584◆
TK1412	5584◆
TK1412K	5584◆
TK1701	5580◆
TK1701K	5580◆
TK1702	5580◆
TK1702K	5580◆
TK1704	5582◆
TK1704K	5582◆
TK1706	5584◆
TK1706K	5584◆

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
TK1708	5584♦
TK1708K	5584♦
TK1710	5584♦
TK1710K	5584♦
TK1712	5584♦
TK1712K	5584♦
TK2100	5584
TK2100K	5584
TK2120	5584
TK2120K	5584
TK2601K	5580
TK2602K	5580
TK2604K	5582
TK2606K	5582
TK2608K	5584
TK2610K	5584
TK2612K	5584
TK3001K	5587
TK3002K	5587
TK3004K	5587
TK3006K	5587
TK3008K	5589
TK3010K	5589
TK3012K	5589
TK3100	5589
TK3100K	5589
TK3120	5589
TK3120K	5589
TK3601K	5587
TK3602K	5587
TK3604K	5587
TK3606K	5587
TK3608K	5589
TK3610K	5589
TK3612K	5589
TK9201	181
TKE801	5570
TKE801K	432/5570
TKE801M	5570‡
TKE802	5570
TKE802K	432/5570
TKE802M	5570‡
TKE804	5572
TKE804K	5572/432
TKE804M	5570‡
TKE806	5572
TKE806K	5572/432
TKE806M	5572‡
TKE808	5574
TKE808K	432/5574
TKE810	5574
TKE810K	432/5574
TKE1201	5570
TKE1201K	432/5570
TKE1201M	5570‡
TKE1202	5570
TKE1202K	432/5570
TKE1202M	5570‡
TKE1204	5572
TKE1204K	5572/432
TKE1204M	5572‡
TKE1206	5572
TKE1206K	5572/432
TKE1206M	5572‡
TKE1208	5574
TKE1208K	432/5574
TKE1210	5574
TKE1210K	432/5574
TKF5	116*
TKF10	116
TKF20	116
TKF40	116
TKF60	116
TKF80	125
TKF100	125
TKK-2SC535-B	107
TKK-2SC535-C	107
TKTA562-O	290A
TL071ACD	857SM
TL071ACDN1	857SM
TL071ACP	857M
TL071CD	857SM
TL071CJP	857M
TL071CP	857M
TL072ACD	858SM
TL072ACDN1	858SM
TL072CD	858SM
TL072CJP	858M
TL072CP	858M
TL074ACD	859SM
TL074ACDN1	859SM
TL074CD	859SM
TL074CJP	859
TL074CN	859
TL081ACD	857SM
TL081ACP	857M
TL081CD	857SM
TL081CP	857M
TL082ACD	858SM
TL082CD	858SM
TL082CP	858M
TL084ACD	859SM
TL084CD	859SM
TL084CN	859
TL1	116
TL2	116
TL2SA881Q	21♦
TL2SC2021R	16♦
TL11	116
TL12	116
TL21	116
TL22	116
TL31	116
TL32	116
TL41	116
TL42	116
TL51	116
TL61	116
TL74H87N	74H87
TL74H183N	74H183
TL106-05	5453
TL106-1	5454
TL106-2	5455
TL106-4	5457
TL107-05	5453
TL107-1	5454
TL107-2	5455
TL107-4	5457
TL110	B40240
TL210	B40240
TL317C	1900
TL317CLP	1900
TL442CN	872
TL487C	1504
TL487C-2	1504
TL487C-3	1504
TL487CP	1504
TL489C	1505
TL489C-6	1505
TL489C-7	1505
TL489CP	1505
TL490C	1506
TL490C-3	1506
TL490C-4	1506
TL490CN	1506
TL491C	1507
TL491C-4	1507
TL491C-5	1507
TL491CN	1507
TL494CJ	1729
TL494CN	1729
TL1003(KAG)	5408
TL1709C	909
TL1741C	941
TL2003(KAG)	5408
TL2741C	941M
TL3709C	909D
TL3741C	941D
TL4003(KAG)	5409
TL4558C	778A
TL4558P	778A
TL4741C	941M
TL6003(KAG)	5410
TL7400N	7400
TL7401N	7401
TL7402N	7402
TL7403N	7403
TL7404N	7404
TL7405N	7405
TL7406N	7406
TL7407N	7407
TL7408N	7408
TL7409N	7409
TL7410N	7410
TL7412N	7412
TL7413N	7413
TL7416N	7416
TL7420N	7420
TL7422	7422
TL7423N	7423
TL7425N	7425
TL7426N	7426
TL7428	7428
TL7430N	7430
TL7433	7433
TL7437N	7437
TL7438N	7438
TL7440N	7440
TL7442N	7442
TL7443N	7443
TL7444N	7444
TL7445N	7445
TL7446AN	7446
TL7447AN	7447
TL7448N	7448
TL7450N	7450
TL7451N	7451
TL7453N	7453
TL7454N	7454
TL7460N	7460
TL7470N	7470
TL7472N	7472
TL7473N	7473
TL7474N	7474
TL7475N	7475
TL7476N	7476
TL7480N	7480
TL7481	7481
TL7481N	7481
TL7482N	7482
TL7483N	7483
TL7485N	7485
TL7486N	7486
TL7489N	7489
TL7490N	7490
TL7491N	7491
TL7492N	7492
TL7493N	7493A
TL7494N	7494
TL7495AN	7495
TL7496N	7496
TL7497N	7497
TL74107N	74107
TL74110	74110
TL74111	74111
TL74121N	74121
TL74122N	74122
TL74123N	74123
TL74125	74125
TL74126	74126
TL74128	74128
TL74132	74132
TL74141N	74141
TL74145N	74145
TL74150N	74150
TL74151N	74151
TL74153N	74153
TL74154N	74154
TL74155N	74155
TL74156N	74156
TL74162N	74162
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TNR12G431K	2V275
TNR12G470K	2V030
TNR12G471K	2V300
TNR12G560K	2V035
TNR12G680K	2V040
TNR12G681K	2V420
TNR12G820K	2V050
TNR12G821K	2V480
TNR15B181K	2V115
TNR15B201K	2V130
TNR15B241K	2V150
TNR15B391K	2V250
TNR15B820K	2V050
TNR15B821K	2V480
TNR15G101K	2V060
TNR15G151K	2V095
TNR15G180K	2V010
TNR15G181K	2V115
TNR15G201K	2V130
TNR15G220K	2V014
TNR15G240K	2V015
TNR15G241K	2V150
TNR15G270K	2V017
TNR15G330K	2V020
TNR15G390K	2V025
TNR15G391K	2V250
TNR15G431K	2V275
TNR15G470K	2V030
TNR15G471K	2V300
TNR15G560K	2V035
TNR15G680K	2V040
TNR15G681K	2V420
TNR15G820K	2V050
TNR15G821K	2V480
TNR23B201K	524V13
TNR23B241K	524V15
TNR23B391K	524V25
TNR23B821K	524V48
TNR23G201K	524V13
TNR23G241K	524V15
TNR23G391K	524V25
TNR23G431K	524V27
TNR23G471K	524V30
TNR23G681K	524V42
TNR23G821K	524V48
TNT839	108
TNT-839	108
TNT840	108
TNT-840	108
TNT-841	108
TNT841	108
TNT842	123A
TNT-843	123A
TNT843	108
TO-003	160
TO-004	160
TO-005	102A
TO-012	121
TO-014	102A
TO-015	121
TO-033	123A
TO-038	123A
TO-039	123A
TO-040	123A
TO-041	102A
TO1-101	123A
TO1-104	123A
TO1-105	123A
TO101	102A
TO-101	100
TO102	102A
TO-102	100
TO103	102A
TO-103	102A
TO104	102A
TO-104	102A
TO225X	5534A
TO253	314
TO425X	5534A
TO503	314
TO625X	5534A
TO1003	314
TO2003	314
TO3003	314
TO3979	159
TO4003	314
TOA1748V	1171
TOA2709P	909D
TOA2709V	909
TOA2741E	941D
TOA2741V	941
TOA2748V	1171
TOB	OBS-NLA
TOC058	5655
TOC058T	5655
TOC108	5655
TOC108S	5655
TOC108T	5655
TOC108V	5655◆
TOC208	5655
TOC208S	5655
TOC208T	5655
TOC208V	5655◆
TOC408	5656
TOC408S	5656
TOC408T	5656
TOC408V	5656◆
TOC608	5657
TOC608S	5657◆
TOC608T	5657
TOC608V	5657
TOCO58S	5655
TOCO58V	5655◆
TP34	109
TP34A	109
TP101	116
TP107	123AP
TP107A	123AP
TP107B	123AP
TP108	123AP
TP108A	123AP
TP108B	123AP
TP108C	123AP
TP109	123AP
TP109A	123AP
TP109B	123AP
TP109C	123AP
TP110(CBE)	194
TP150	333
TP177A(CBE)	159
TP177B(CBE)	159
TP178A(CBE)	159
TP178B(CBE)	159
TP178C(CBE)	159
TP179B(CBE)	159
TP179C(CBE0	159
TP201	116
TP300	5874
TP302	116
TP400	5874
TP402	116
TP504A	3086
TP531	3041
TP532	3041
TP541G	3091
TP547G	3091
TP1681B30-1	109
TP1681B30P	109
TP1681B1269	128
TP1681B1337	85
TP1681B1338	289A
TP1681B1367	85
TP1681B1421	85
TP1681B1433	85
TP1681B1501	116(4)
TP1681B4015	85
TP2221	123AP
TP2221A	123AP
TP2222	123AP
TP2222A	123AP
TP2483	194
TP2484	194
TP2906	159
TP2906A	159
TP2907	159
TP2907A	159
TP2944	159
TP2945	159
TP2946	159
TP3058	159
TP3059	159
TP3060	159
TP3061	159
TP3115	123AP
TP3116	123AP
TP3135	159
TP3136	159
TP3217	159
TP3218	159
TP3219	159
TP3566	123AP
TP3567	123AP
TP3568	194
TP3569	123AP
TP3638	159
TP3638A	159
TP3644	159
TP3645	159
TP3677	159
TP3704	289A
TP3705	289A
TP3706	289A
TP3707	289A
TP3708	289A
TP3709	289A
TP3710	289A
TP3711	289A
TP3840	159
TP3977	159
TP3978	159
TP4000AJ	4000
TP4001AJ	4001B
TP4001AN	4001B
TP4001BN	4001B
TP4001BP	4001B
TP4002AJ	4002B
TP4002AN	4002B
TP4007	159
TP4007UBN	4007
TP4008	4008B
TP4008(Trans)	159
TP4008AN	4008B
TP4008BN	4008B
TP4009UBN	4049
TP4010BN	4050B
TP4011AJ	4011B
TP4011AN	4011B
TP4011BN	4011B
TP4012AJ	4012B
TP4012AN	4012B
TP4013AJ	4013B
TP4013AN	4013B
TP4013BN	4013B
TP4014AN	4014B
TP4015AN	4015B
TP4016A	4016B
TP4016AN	4016B
TP4016UBN	4016B◆
TP4017AJ	4017B
TP4017AN	4017B
TP4018	4018B
TP4018AN	4018B
TP4018BN	4018B
TP4019AJ	4019B
TP4019AN	4019B
TP4019BN	4019B
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TP4022	4022B
TP4022AN	4022B
TP4023AJ	4023B
TP4023AN	4023B
TP4024AN	4024B
TP4024BN	4024B
TP4025AJ	4025B
TP4025AN	4025B
TP4027AJ	4027B
TP4027AN	4027B
TP4027BN	4027B
TP4028AJ	4028B
TP4028AN	4028B
TP4028BN	4028B
TP4029AJ	4029B
TP4029AN	4029B
TP4030AN	4030B
TP4035	4035B
TP4035AN	4035B
TP4035BN	4035B
TP4040AN	4040B
TP4040BN	4040B
TP4042AN	4042B
TP4042BN	4042B
TP4043AN	4043B
TP4043BN	4043B
TP4044	4044B
TP4044AN	4044B
TP4044BN	4044B
TP4049AN	4049
TP4049UBN	4049
TP4050AN	4050B
TP4051BN	4051B
TP4052BN	4052B
TP4053	4053B
TP4053BN	4053B
TP4067-409	116
TP4067-410	199
TP4067-411	199
TP4068BN	4068B
TP4069UBN	4069
TP4071BN	4071B
TP4072	4072B
TP4072BN	4072B
TP4073	4073B
TP4073BN	4073B
TP4075	4075B
TP4075BN	4075B
TP4078BN	4078B
TP4081BN	4081B
TP4082BN	4082B
TP4123	123A
TP4124	123A
TP4125	159
TP4126	159
TP4257	159
TP4258	159
TP4274	101
TP4275	108
TP4384	123AP
TP4386	123AP
TP4413	159
TP4413A	159
TP4415	159
TP4415A	159
TP4511	4511B
TP4512	4512B
TP4512AN	4512B
TP4518A	4518B
TP4518AN	4518B
TP4520AN	4520B
TP4522AN	4522B
TP5089	1690
TP5089N	1690
TP5135	123AP
TP5136	123AP
TP5142	159
TP50981	1693
TP50981N	1693
TPQ2221	2321
TPQ2221A	2321
TPQ2222	2321
TPQ2222A	2321
TPQ2483	2321
TPQ2484	2321
TPQ2906	2322
TPQ2906A	2322
TPQ2907	2322
TPQ3798	2322
TPQ3799	2322◆
TPQ3904	2321
TPQ3906	2322
TPQ4354	2322◆
TPQ5400	2323
TPQ5401	2323
TPQ5550	2323
TPQ5551	2323
TPQ6501	2320
TPQ6501A	2320
TPQ6502	2320
TPQ6502A	2320
TPQA05	2323
TPQA06	2323
TPS90	85
TPS90B	85
TPS90G	85
TPS90M	85
TPS90MB	85
TPS90MG	85
TPS90MN	85
TPS90MV	85
TPS90MY	85
TPS91	290A
TPS91B	290A
TPS91G	290A
TPS91M	290A
TPS92(CBE)	123AP
TPS92M(CBE)	123AP
TPS93(CBE)	159
TPS93M(CBE)	159
TPS94	85
TPS97(CBE)	123AP
TPS98(CBE)	194
TPS99(CBE)	194
TPS100(CBE)	287
TPS101(CBE)	287
TPS108(CBE)	123AP
TPS110(CBE)	123AP
TPS111(CBE)	123AP
TPS112(CBE)	159
TPS133(CBE)	123AP
TPS134(CBE)	123AP
TPS604	3037
TPS605	3038
TPS703	3033
TPS6512	123A
TPS6513	123A
TPS6514	123A
TPS6515	123A
TPS6516	159
TPS6517	159
TPS6518	159
TPS6519	159
TPS6520	123A
TPS6521	123A
TPS6522	159
TPS6523	159
TQ1	108
TQ2	108
TQ3	108
TQ4	123A
TQ5	108
TQ6	108
TQ7	108
TQ8	108
TQ9	108
TQ53	193
TQ54	193
TQ55	193
TQ57	193
TQ58	193
TQ59	193
TQ59A	193
TQ60	193
TQ60A	193
TQ61	159
TQ61A	159
TQ62	159
TQ62A	159
TQ-63	159
TQ63	129
TQ63A	129
TQ64	129
TQ-64	159
TQ64A	129
TQ1106LT-40	5646
TQ1108LT-40	5646
TQ2206LT-40	5646
TQ2208LT-40	5646
T-Q5019	163A
TQ5020	100
TQ5020(Sanyo)	113A
TQ5021	160
TQ5022	160
TQ5023	102A
TQ5025	102A
TQ5026	102A
TQ5028	127
TQ5030	179
TQ5031	101
TQ5032	101
TQ-5032	103A + 158(CP)
TQ-5034	160
TQ5034	160
TQ5035	160
TQ5036	121
TQ5038	160
TQ5039	101
TQ5044	103A
TQ-5044	103A + 158(CP)
TQ5049	108
TQ5050	103A
TQ-5050	103A + 158(CP)
TQ5051	102A
TQ-5051	158
TQ5052	123A
TQ-5052	123A
T-Q5053	123A
TQ5053	123A
TQ-5053	123A
T-Q5053C	123A
TQ-5054	123A
TQ5054	123A
T-Q5055	108
TQ-5055	128
TQ5055	128
T-Q5057	124
TQ-5060	123A
TQ5060	123A
TQ-5061	158
TQ5061	102A
TQ5062	103A
TQ-5062	103A + 158(CP)
TQ5063	154
TQ-5063	171
TQ-5064	121
TQ5064	121
T-Q5071	161
T-Q5073	123A
T-Q5075	124
T-Q5077	159
T-Q5078	233
T-Q5079	107
T-Q5080	175
T-Q5081	128
T-Q5082	154
T-Q5083	164
T-Q5084	165
T-Q5086	161
T-Q5087	159
T-Q5093	199
T-Q5099	128
T-Q5104	124
T-Q5105	130
T-Q5106	107
TQ7037	1004
T-Q7037	1004
TQ7038	1004
T-Q7038	1004
TQPD3053	128
TQ-PD-3055	130
TQPD3055	130
TQSAO-222	102
TQSC3644	159
TR0055	159
TR-01	121
TR-01(Penncrest)	128
TR-01B	108
TR-01B(Penncrest)	123A
TR01C	121
TR-01C	121
TR-01C(Penncrest)	123A
TR-01E	128
TR-01E(Penncrest)	128
TR02	121
TR-02	104
TR02C	121
TR-02E	116
TR03	105
TR-03	105
TR-03(Penncrest)	175
TR03C	105
TR04	101
TR-04	102A
TR04C	102A
TR-04C	129
TR-04C(Penncrest)	129
TR-05	100
TR05	101
TR05C	100
TR-06	100
TR-06(Penncrest)	123A
TR06C	160
TR-07	160

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
TR07	101
TR-07(Penncrest)	128
TR07C	100
TR-08	101
TR08	101
TR-08(Penncrest)	129
TR-08C	101
TR08C	101
TR09	103
TR-09	101
TR09C	101
TR-09C	101
TR-016	108
TR0164-6	247
TR0259-6	219
TR01014	123AP
TR01015	123AP
TR01015-2	123AP
TR01026	319P
TR01027	229
TR01037	123AP
TR01040	123AP
TR01042	319P
TR01045	182
TR-01045	182
TR01051-5	81
TR01051-7	81
TR01053-1	123AP
TR01053-5	123AP
TR01053-6	123AP
TR01054-1	123AP
TR01054-5	128
TR01054-7	128
TR01056-5	182
TR01057-1	182
TR0-1057-1	182
TR0-1057-3	182
TR01057-3	182
TR01057-4	182
TR0-1057-4	182
TR0-1058-1	182
TR01058-5	182
TR0-1058-5	182
TR01059-5	196
TR01060-7	181
TR01062-1	123AP
TR01062-7	128
TR01063-1	123AP
TR01063-5	123AP
TR01063-6	123AP
TR01064-5	247
TR0-1064-5	247
TR0-1064-6	247
TR01064-7	247
TR0-1064-7	247
TR0-1064-8	247
TR01064-9	247
TR01065	287
TR01073	229
TR01074	229
TR02012	126A
TR02020-2	159
TR02051-1	159
TR02051-3	159
TR02051-5	159
TR02051-6	159
TR02053-5	159
TR02053-6	159
TR02053-7	189
TR02054-1	159
TR02054-5	129
TR02054-7	129
TR02057-1	183
TR0-2057-1	183
TR02057-3	183
TR0-2057-3	183
TR0-2057-4	183
TR02057-4	183
TR0-2058-1	183
TR-02058-5	183
TR02058-5	183
TR0-2058-5	183
TR02059-5	197
TR02060-7	180
TR02062-1	159
TR02062-6	129
TR02063-1	159
TR02063-5	159
TR02063-6	159
TR02063-8	159
TR0-2064-5	248
TR02064-5	248
TR0-2064-6	248
TR02064-6	248
TR02064-7	248
TR0-2064-7	248
TR0-2064-8	248
TR02064-9	248
TR02065	288
TR06011	312
TR06014	312
TR08003	222
TR08004	222
TR09004	718
TR0-9005	703
TR09005	703
TR09006	703
TR0-9006	703
TR09007	750
TR0-9007	750
TR09008	760
TR09009	760
TR09010	746
TR0-9010	746
TR0-9011	720
TR09011	720
TR09012	703
TR0-9017	722
TR09017	722
TR09018	788
TR0-9018	788
TR09019	801
TR09022	1090
TR0-9022	1090
TR09024	1090
TR09027	801
TR09029	708
TR09032	799
TR09033	802
TR09034	803
TR010602-1	108
TR0105305	123AP
TR-0105805	182
TR0573486	233
TR0573491	123A
TR0573507	229
TR0575002	109
TR0575005	110MP
TR1N2326	OBS-NLA
TR1N4002	116
TR1R26	160
TR-1R26	160
TR-1R31	108
TR-1R33	123A
TR-1R35	108
TR2A	116
TR2N990	160
TR2N2148	121
TR2N2614	102A
TR2N2614C	102A
TR-2N2641C	102A
TR2N2654	160
TR2N2924	289A
TR-2N2924-18	289A
TR2N2925-18	123A
TR2N3588	160
TR2N3588-3	160
TR2N3638A-3	159
TR2N4079	131 + 155(CP)
TR2N4248	159
TR2N5163	312
TR2N5163A	312
TR2N5163B	312
TR-2R26	160
TR2R26	160
TR-2R31	108
TR-2R33	108
TR-2R35	108
TR2S1570LH	123A
TR2SA608NP(ECB)	159
TR2SA608NPE(ECB)	159
TR2SA608NPF(ECB)	159
TR2SA763	234
TR-2SC367	123A
TR-2SC371	108
TR2SC371	108
TR2SC372	108
TR-2SC372	108
TR-2SC373	123A
TR2SC373	123A
TR2SC384	108
TR-2SC384	108
TR2SC482	128
TR-2SC482	128
TR2SC535	229
TR2SC536E	199
TR2SC536F	199
TR2SC671	195A
TR2SC735	123A
TR-2SC735	123A
TR2SC930D	229
TR2SC1342	229
TR2SC1570LH	123A
TR2SC3677	123A
TR2SD325	152
TR2SD325E	152
TR2SD330E	152
TR2SD400E	382
TR2SD400F	382
TR2SK55	312
TR-2SK55	312
TR-3R26	160
TR3R26	160
TR-3R31	108
TR-3R33	108
TR-3R35	108
TR-3R38	123A
TR4R26	160
TR-4R26	160
TR-4R31	128
TR-4R33	123A
TR-4R35	108
TR-4R38	159
TR4S	5008A
TR-5	121
TR-5R26	102A
TR5R26	102
TR-5R31	128
TR-5R33	123A
TR-5R35	123A
TR-5R38	123A
TR5S	5010A
TR-6R26	102A
TR6R26	102
TR-6R33	123A
TR-6R35	159
TR-6R35A	159
TR6S	5070A
TR-7GS	138A
TR-7R31	128
TR-7R35	123A
TR-7SA	138A
TR7SA	5014A
TR7SB	5071A
TR-8R35	123A
TR-9GS	139A
TR9S	139A
T-R9S	139A
TR-9S	139A
TR9SA	5016A
TR-9SA	139A
TR9SB	139A
TR-9SB	139A
TR-10	101
TR-10C	101
TR10C	101
TR-11	126A
TR-11C	160
TR11C	160
TR-12	160
TR-12C	160
TR12C	160
TR12S	5022A
TR12SA	5021A
TR12SB	5022A
TR12SC	5023A
TR-13	160
TR-13C	160
TR13C	160
TR-14	102A
TR-14C	102A
TR14C	102A
TR-15	102A
TR15C	102A
TR-15C	102A
TR-16	104
TR-16C	104
TR16C	121
TR16X2	104MP
TR-17	160
TR-17A	160
TR-17C	160
TR-18	160
TR-18C	160
TR18C	160
TR-19	152
TR19(PNP/SIL)	159
TR19(PNP/GE)	160
TR19(PWR)	152
TR-19A	159
TR-20	159
TR-20A	159
TR-21	123A
TR-21-6	123A
TR-21C	123A
TR21C	108
TR-22	123A
TR22	129
TR22A	129
TR22C	108
TR-22C	123A
TR-23	124
TR23	128
TR23A	129
TR23C	124
TR-23C	124
TR-24	108
TR24	108
TR-24(Philco)	123A
TR25	128
TR-25	128
TR-26	130
TR26	130
TR26-1	175
TR26C	130
TR-28	129
TR28(PWR)	152
TR28(PNP)	129
TR29	219
TR-29	219
TR30	159
TR-30	159
TR-30A	159
TR31	159
TR-31B	128
TR32	194
TR33	199
TR36	181
TR37	218
TR38	108
TR-43B	121
TR48	109
TR50	131
TR51	160
TR52	160
TR53	100
TR54	102A
TR55	100
TR56	104
TR57	105
TR62	160
TR-65	195A
TR67	165
TR68	162
TR71	102A
TR72	102A
TR-75	142A
TR-76	152
TR-77	116
TR92-1	5655
TR92-2	5655
TR92-3	5655
TR92-4	5655
TR92-5	5656
TR92-6	5656
TR92A-1	5655
TR92A-2	5655
TR92A-3	5655
TR92A-4	5655
TR92A-5	5656
TR92A-6	5656
TR92B-1	5655
TR92B-2	5655
TR92B-3	5655
TR92B-4	5655
TR92B-5	5656
TR92B-6	5656
TR93-1	5655
TR93-2	5655
TR93-3	5655
TR93-4	5655
TR93-5	5656
TR93-6	5656
TR93A-1	5655
TR93A-2	5655
TR93A-3	5655
TR93A-4	5655
TR93A-5	5656
TR93A-6	5656
TR93B-1	5655
TR93B-2	5655
TR93B-3	5655
TR93B-4	5655
TR93B-5	5656
TR93B-6	5656
TR94-1	5655
TR94-2	5655
TR94-3	5655
TR94-4	5655
TR94-5	5656
TR94-6	5656
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TT95N400KOC	5720
TT95N600KOC	5720
TT95N800KOC	5720
TT95N1100KOC	5720
TT95N1200KOC	5720
TT204	108
TT-204	108
TT204A	108
TT-204A	108
TT204AB	108
TT-204AB	108
TT204B	108
TT-204B	108
TT-204C	108
TT204C	108
TT1083	121
TT-1083	121
TT-1097	123A
TT1097	123A
TTT-2SA1015-O	290A
TTT-2SA1015-Y	290A
TTT-2SC732-B	199
TTT-2SC732-BL	199
TTT-2SC1000GB	199
TTT-2SC1000GBL	199
TTT-2SC1627AY	289A
TTT-2SC1815-BL	85
TTT-2SC1815-GR	85
TTT-2SD880-Y	152
TTT-2SK30A-O(SGD)	459
TTY341529	563
TU257	4029B
TUS34	312
TUS-185D	116
TUSS1R20	5079A
TV1S954	519
TV2SB126	127
TV2SB126F	121
TV2SB126V	127
TV2SB448	127
TV2SC208	123A
TV2SC1505	198
TV2SC1507	198
TV4	116
TV-6	123A
TV6.5	118
TV-7	108
TV8	125
TV13-11K60	502
TV13-12K60	503
TV-15	108
TV15	161
TV15A	161
TV15B	161
TV-15B	108
TV15C	161
TV16	108
TV17	123A
TV17A	108
TV18	108
TV-18	123A
TV18S	504
TV19	154
TV-19	154
TV-20	233
TV20	161
TV20-10K80	505
TV20-S	505
TV21	192
TV-21	123A
TV-22	108
TV22	191
TV-23	123A
TV23	128
TV-25	191
TV26	192
TV-26	128
TV27	103
TV-27	103A
TV28	192
TV-28	128
TV-29	129
TV29	129
TV32	108
TV-32	123AP
TV33	161
TV-33	319P
TV34	506
TV-34	319P
TV35	161
TV-35	319P
TV-36	161
TV37	319P
TV-37	161
TV-38	161
TV38	123A
TV39	123A
TV-39	161
TV-40	123A
TV-41	128
TV41	128
TV42	128
TV-43	128
TV44	159
TV-44	159
TV-45	128
TV45	128
TV46	123A
TV-46	123A
TV47	158
TV-47A	159
TV48	123A
TV-48	229
TV-49	154
TV49	191
TV-50	319P
TV50	161
TV51	128
TV-51	123A
TV52	128
TV-52	123A
TV-53	123A
TV53	128
TV54	161
TV-54	233
TV55	108
TV-55	233
TV56	123A
TV-56	123A
TV57	107
TV-57	159
TV57A	123A
TV-58	123A
TV58	107
TV58A	123A
TV-59	128
TV59	128
TV59A	123A
TV60	107
TV-60	123A
TV60A	123A
TV-61	102
TV61	158
TV-61A	102A
TV62	172A
TV-65	123A
TV65	123A
TV-66	123A
TV-67	128
TV-68	123A
TV70	154
TV-70	154
TV-70B	154
TV71	123A
TV72	159
TV73	210
TV-73	186
TV-74	187
TV75	210
TV-75	186
TV-77	233
TV80	312
TV81	233
TV-82	186
TV-83	312
TV-84	123A
TV-85	171
TV-87	159
TV92	123A
TV-92	123A
TV-93	159
TV106	127
TV108	163A
TV109	175
TV111	127
TV112	196
TV-112	196
TV113	124
TV-114	127
TV114	127
TV115	108
TV-115	152
TV116	197
TV-116	153
TV117	196
TV-117	152
TV-118	165
TV118	163A
TV-119	165
TV-120	157
TV-121	164
TV121	162
TV122	124
TV-124	165
TV124	165
TV-125	165
TV-215	513
TV215(I.R.)	513
TV695	118
TV1000	108
TV2403	108
TV2404	108
TV2419	116
TV2428	102A
TV2429	102A
TV2434	102A
TV2455	160
TV2479	160
TV2496	116
TV-2496	116
TV3002	6354
TV3002K	6354
TV3002KR	6355
TV3002R	6355
TV3004	6354
TV3004K	6354
TV3004KR	6355
TV3004R	6355
TV3006	6356
TV3006K	6356
TV3006KR	6357
TV3006R	6357
TV3008	6358
TV3008K	6358
TV3008KR	6359
TV3008R	6359
TV3010	6358
TV3010K	6358
TV3010KR	6359
TV3010R	6359
TV3012	6362◆
TV3012K	6362
TV3012R	6363◆
TV3012RK	6363
TV3014	6362◆
TV3014K	6362
TV3014R	6363◆
TV3014RK	6363
TV4152	100
TV6080	128
TV24102	108
TV24103	112
TV24103A	112
TV24103B	112
TV24103C	112
TV24103D	112
TV-24104	116
TV24104	116
TV24115	102A
TV24122	110MP
TV-24125	116
TV24125	116
TV24136	116
TV24137	160
TV24142	127
TV24143	103A
TV24148	108
TV24152	100
TV24154	102A
TV24155	116
TV24156	102A
TV24158	160
TV24159	112
TV24160	161
TV24161	161
TV24162	127
TV24163	127
TV24164	154
TV24166	160
TV24167	506
TV24169	506
TV24172	160
TV24182	112

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
TV24189	102A
TV24190	113A
TV24191	116
TV24193	116
TV24194	102A
TV24200	116
TV24203	108
TV24204	108
TV24209	161
TV24210	107
TV24211	175
TV24214	159
TV24214A	159
TV24215	123A
TV24216	123A
TV24217	506
TV24218	127
TV24219	506
TV24221	125
TV24222	116
TV24224	116
TV24225	156
TV24226	113A
TV24229	160
TV24230	160
TV24232	116
TV24234	116
TV24237	120
TV24239	160
TV24266	116
TV-24266	116
TV24272	138A
TV24273	110MP
TV24278	116(2)
TV24281	123A
TV24282	116
TV24283	116
TV24285	166
TV24292	116
TV24298	116
TV24313	108
TV24337	121
TV24341	127
TV24351	160
TV24363	159
TV24363A	159
TV24370	102A
TV24372	123A
TV24380	107
TV24382	107
TV24383	107
TV24385	107
TV24387	108
TV24399	161
TV24435	154
TV24436	161
TV24437	161
TV24438	107
TV24453	123A
TV24454	123A
TV24458	123A
TV24468	127
TV24487	175
TV24495	159
TV24495A	159
TV24499	154
TV24540	503
TV24554	177
TV24568	127
TV24571	161
TV24573	108
TV24574	108
TV24576	123A
TV24582	116
TV24586	116
TV24589	108
TV24599	102A
TV24617	506
TV24648	506
TV24650	503
TV24651	5800
TV24655	123A
TV24678	121
TV24684	108
TV24803	116
TV24806	107
TV24941	116
TV24942	125
TV24945	102A
TV24979	116
TV24981	5071A
TV24983	103A
TV24984	102A
TV24985	115
TV24987	113A
TV34232	116
TV241013	110MP
TV241072	1004
TV241073	116
TV241074	116
TV241077	123A
TV241078	123A
TVBB10	506
TVC-3	116
TVC-6	120
TVC6	120
TVCM-1	705A
TVCM-2	790
TVCM-3	707
TVCM-4	708
TVCM-5	709
TVCM-6	718
TVCM-7	720
TVCM-8	714
TVCM-9	715
TVCM-10	722
TVCM-11	712
TVCM-12	719
TVCM-13	721
TVCM-15	731
TVCM-16	723
TVCM-17	735
TVCM-18	737§
TVCM-19	744
TVCM-20	736
TVCM-21	739
TVCM-22	790
TVCM-23	804
TVCM-25	804
TVCM-26	804
TVCM-27	738
TVCM-28	742
TVCM-29	743
TVCM-33	729
TVCM-34	791
TVCM-35	740A
TVCM-39	788
TVCM-65	804
TVCM-81	1155
TVCM-500	7400
TVCM-501	74H22
TVCM-502	7474
TVCM-503	7447
TVCM-504	7493A
TVCM-505	7490
TVCM-506	74161
TVC-MK3800	1136
TVCM-S	709
TVCN5310M	1410
TVDKB265F	601
TVDS1M	116
TVH-526	114
TVH538	113A
TVM-026	536A
TVM7K7O5M	113A
TVM35	116
TVM56	116
TVM108	501B
TVM-108	501B
TVM153	522
TVM511	116(3)
TVM-511	116
TVM-526	113A
TVM526	114
TVM529	166
TVM-530	178MP
TVM531	503
TVM533	504
TVM535	506
TVM-537	119
TVM537	506
TVM538	113A
TVM540	505
TVM546	507
TVM550	116
TVM553	502
TVM554	113A
TVM554A	178MP
TVM563	116
TVM567	502
TVM569	503
TVM570	505
TVM778	500A
TVM-778	500A
TVM-EH2C	116
TVM-EH2C11	116
TVM/HS15/16	502
TVMHS151b	116
TVMK112C	113A
TVM-K-112C	178MP
TVM-K112C	113A
TVM-L00.09M1115	119
TVML00.09m1115	116
TVMM204B	116
TVM-M204B	116
TVM-PH9D22/1	116
TVM-PH9D522/11	116(4)
TVMPH9DZ2/1	116
TVM-PT6d22/1	116
TVM-PT6D22/1	166
TVMTC00921-3	114
TVM-TC0.2P	114
TVM-TC0.2P11/2	116
TVM-TCO.2P1	507
TVM-TK-705M	113A
TVM-TK705M	113A
TVR-06B	552
TVR06D	552
TVR-06G	552
TVR-06G23	552
TVR-06G-623	116
TVR06K	552
TVR1B	552
TVR-1B	552
TVR1D	552
TVR1D(TP)	552
TVR-1G	552
TVR1G	552
TVR1J	552
TVR1TP	552
TVR2D	552
TVR-2D	552
TVR2G	552
TVR2J	552
TVS00410	125
TVS03P2M	5404
TVS0A01-11S	5074A
TVS0A01-11SE	5020A
TVS-0A70	109
TVS0A70	109
TVS0A71	116
TVS-0A81	109
TVS0A90	109
TVS-0A90	109
TVS0A91	109
TVS-0A91	109
TVS-0A95	109
TVS-0V-02	506
TVS1CE2	552
TVS-1N82G	112
TVS1N741A	142A
TVS1N741H	142A
TVS1N4002	116
TVS1N4148	519
TVS1N4148TE	519
TVS1N4148V	519
TVS1N4150V	519
TVS1N4741A	141A
TVS1P80	125
TVS1R80	558
TVS-1S18	108
TVS1S750	112
TVS-1S750	112
TVS1S951	177
TVS1S954	519
TVS1S954(2)	519
TVS-1S1211	177
TVS1S1850	116
TVS-1S1850	116
TVS-1S1893	5800
TVS1S1906	116
TVS-1S1906	116
TVS-1S1922	5800
TVS1S1950	116(2)
TVS1S2076	177
TVS1S2076MC	519
TVS1S2370	558
TVS1S2473	519
TVS1S2687	612
TVS-2B-2C	506
TVS-2CS645A	123A
TVS-2S288A	107
TVS2S1664	274
TVS-2SA71B	102A
TVS-2SA103	160
TVS-2SA171	100
TVS-2SA385	102A
TVS-2SA385A	102A
TVS-2SA385L	102A
TVS2SA543	192
TVS2SA546	129
TVS2SA564	159
TVS-2SA564	159
TVS2SA564A	159
TVS-2SA564A	159
TVS2SA564C	159
TVS2SA564-O	159
TVS-2SA564P	159
TVS2SA564P	159
TVS2SA564PY	159
TVS2SA564Q	159
TVS2SA607	159
TVS2SA609	159
TVS2SA768	153
TVS2SB126	121
TVS-2SB126	121
TVS-2SB126F	121
TVS-2SB126V	127
TVS-2SB171	102A
TVS2SB171	158
TVS-2SB171A	158
TVS2SB171A	102A
TVS2SB171B	102A
TVS-2SB172	102A
TVS-2SB172A	100
TVS-2SB172F	102A
TVS-2SB176	102A
TVS-2SB234	102A
TVS-2SB324	158
TVS2SB324	102A
TVS-2SB448	127
TVS2SB449	121
TVS-2SB449F	121
TVS2SB546	292
TVS-2SC58	154
TVS-2SC58A	154
TVS-2SC185A	108
TVS-2SC208	108
TVS-2SC287A	108
TVS2SC288A	108
TVS-2SC313	161
TVS-2SC429A	107
TVS-2SC446	108
TVS2SC466	108
TVS-2SC466	161
TVS-2SC469A	107
TVS2SC520	198
TVS-2SC526	154
TVS-2SC538	123A
TVS2SC538	108
TVS2SC538A	123A
TVS-2SC538A	123A
TVS2SC562	161
TVS-2SC562	161
TVS2SC563	161
TVS-2SC563	161
TVS-2SC563A	161
TVS2SC564	159
TVS-2SC564	159
TVS2SC564O	159
TVS2SC564-O	159
TVS2SC564R	159
TVS-2SC582	128
TVS-2SC582A	128
TVS-2SC605	108
TVS-2SC606	108
TVS2SC644	123A
TVS-2SC644	107
TVS-2SC645	107
TVS2SC645	108
TVS-2SC645A	107
TVS2SC645A	108
TVS-2SC645B	107
TVS2SC645B	123A
TVS2SC645C	108
TVS-2SC645C	107
TVS-2SC646	181
TVS2SC647	130
TVS2SC647A	101
TVS2SC647B	165
TVS2SC647C	165
TVS2SC647D	165
TVS2SC647E	165
TVS2SC647-O	165
TVS2SC647-P	165
TVS2SC647Q	165
TVS2SC647R	165
TVS-2SC683	161
TVS2SC683	108
TVS-2SC683V	161
TVS-2SC684	161
TVS2SC684	123A
TVS-2SC687	162
TVS2SC696	128
TVS2SC762	108
TVS-2SC762	161
TVS-2SC828	123A
TVS2SC828	123A
TVS-2SC828A	123A
TVS2SC828A	123A
TVS2SC828P	123A
TVS-2SC828Q	123A
TVS2SC828Q	108
TVS2SC828R	123A
TVS2SC829B	107
TVS2SC840	124
TVS-2SC840	175
TVS-2SC840A	175
TVS2SC840A	124
TVS2SC840C	175
TVS2SC901	162
TVS-2SC901	163A
TVS2SC920-0Q	108
TVS2SC945A	85
TVS-2SC948	161
TVS2SC968	123
TVS2SC1255	128
TVS2SC1255HF	128
TVS2SC1256	129
TVS2SC1256HG	129
TVS2SC1505	198
TVS2SC1505-1	198
TVS2SC1505I	198
TVS2SC1507	198
TVS2SC1507K	198
TVS2SC1507L	198
TVS2SC1519	198
TVS2SC1520	198
TVS2SC1520I	198
TVS2SC1629A	238
TVS2SC1664	274
TVS2SC1664R	274
TVS2SC1683P	375
TVS2SC1768	162
TVS2SC1826	196
TVS2SC1828	175
TVS2SC1875	165
TVS2SC1875Q	389
TVS2SC1875R	389
TVS2SC2688	157
TVS2SC5640	159
TVS2SD201M	130
TVS2SD226	175
TVS-2SD226A	175
TVS2SD226A	175
TVS2SD226B	175
TVS2SD226C	175
TVS2SD226D	175
TVS2SD226-O	175
TVS2SD226O	175
TVS2SD226P	175
TVS2SD401	291
TVS2SD794	184
TVS2SD794-2	184
TVS2SD794P	184
TVS2SD794Q	184
TVS2SD950	165
TVS2SD950-Q	389
TVS2SD968	128
TVS3DL2	552
TVS5B-2-H5W	506
TVS5-B-HW5	506
TVS5N76642N	709
TVS10D	116
TVS10D1	116
TVS10D1(Pwr. Rect.)	116
TVS10D2	552
TVS10D8	125
TVS-10D8	125
TVS10DC4	116
TVS10DC4R	116
TVS10DQ03	116
TVS10E	116
TVS10E1	552
TVS10E2	552
TVS10E4	552
TVS25A103	160
TVS25B172	102
TVS25B448	127
TVS25C208	123A
TVS25C562	123A
TVS25C645	123A
TVS-82G	112
TVS-182G	112
TVS-185D	116
TVS340M	5424#
TVS550	116
TVS-828A	123A
TVS828A	123A
TVS-1303	159
TVS1850	116
TVS2406M	552
TVS4150	177
TVS6321FLC6	5424
TVS25126F	121
TVSA01.07RE	5071A
TVS-A910	507
TVSAFS01	506
TVSAFSD1	506
TVSAN155	147A
TVSAN220	711
TVSAN225	739
TVS-AN225	1062
TVS-AN227	1063§
TVS-AN241	712
TVSAN241	712
TVS-AN241D	712
TVSAN241D	712
TVSAW01-11	5074A
TVSB01-02	552
TVSB01-02(ZENER)	5074A
TVSB01-2	177
TVSB0102	116
TVSB0102V	116
TVSB24-06	552
TVSB24-06C	552
TVSB24-06D	552
TVSB1201	116
TVSB1202	116
TVSB1202V	116
TVSB1204	125
TVSB1204V	116
TVSB2404C	552
TVSB2404D	552
TVSB2406C	552
TVSB2406D	552
TVSB2804D	552
TVSB3015M	558
TVSB4302	552
TVSB4302V	552
TVSB4304	552
TVSB4304V	552
TVSBA526	1612
TVSBAX-13	177
TVSBAX13	177
TVSBAZ13	507
TVSBB2	506
TVSBB2A	552
TVSBB10	552
TVSBBE	116
TVSBN5111	1440
TVSBN5416	1683
TVSBN5416A	1683
TVSC0410	125
TVSC0508	125
TVSC0510	125
TVSC1255H	128
TVSC2406M	552
TVSC2615A	558
TVSC3153GM1	984
TVSCA3126	797
TVSCA3137	1176§
TVSCA3139GM1	1174
TVSCA3139GMI	1174
TVSCA3153GM1	984
TVSCA3153GMI	984
TVSCN5310	1410
TVSCN5311	1410
TVSCN5311LM	1410
TVSCN5411	1299
TVS-CS1255H	123A
TVSCS1255HF	192
TVS-CS1255HF	123A
TVS-CS1256HG	192
TVSCS1256HG	193
TVS-CS1303	159
TVS-CS1303A	159
TVSD1K	116
TVSD52K	116
TVS-DG-1N-R	116
TVS-DG1NR	506
TVSDG1NR	116
TVS-DS1K	116
TVS-DS-1K	116
TVS-DS1M	116
TVSDS1M	156
TVS-DS-1M	116
TVSDS2K	156
TVS-DS2K	116
TVSDS-2K	125
TVSDS2M	116
TVSEA06	116(4)
TVSEM1	116
TVSEM1V	116
TVSEM1Z	116
TVSEM1ZV	116
TVSEN1364	1231
TVSEN11235	1550
TVSEN11238	1669
TVSEN11401	1401
TVSEN11414	1403
TVSEN11436	1650
TVSEN11438	986
TVSEQA01-05T	5010A
TVSEQA01-06S	5075A
TVSEQA01-057	136A
TVSEQA01-125	142A
TVSEQB01-12	142A
TVSEQB01-15	145A
TVSER0508	125
TVSER824-06	506
TVSERA81-004	116
TVSERB-04D	552
TVSERB12-01	116
TVSERB12-02	125
TVSERB24-04D	506
TVSERB24-06	506
TVSERB24-06A	506
TVSERB24-06B	506
TVSERB24-06C	552
TVSERB24-06D	552
TVSERB2406C	506
TVSERC04-10	125
TVSERC0410	125
TVSERC0508	125
TVSERC0510	125
TVSERC0510V	125
TVSES1	552
TVSESA06	116
TVSESA10N	116
TVS-ET1P	116
TVSEU2	552
TVSEU2A	552
TVSFG2PC	506
TVS-FR1MD	116
TVS-FR1P	506
TVSFR1P	116
TVS-FR-1P	116
TVS-FR-1P(FR1P)	116
TVSFR1PC	116
TVS-FR1-PC	116
TVS-FR1PC	116
TVSFR2-005	506
TVSFR2-02	506
TVSFR2-02C	506
TVSFR2-02G	506
TVSFR2-04	506
TVSFR2-06	116
TVSFR2-10	506
TVS-FR2M	116
TVS-FR2P	506
TVS-FR2PC	156
TVS-FR-2PC	116
TVS-FR10	125
TVSFT1M	506
TVS-FT-1N	125
TVS-FT1N	506
TVSFT1P	116
TVS-FT-1P	116
TVSFT-1P	506
TVS-FT1P	506
TVS-FT1PC	506
TVS-FT10	125
TVSFU1N	116
TVS-FU1N	116
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TVSGP2-354	177
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TZ82(Trans)	85
TZ82A	150A
TZ82B	5153A
TZ82C	150A
TZ110	151A
TZ110A	151A
TZ110B	151A
TZ110C	151A
TZ115i	199
TZ140B	5160A
TZ543	159
TZ551	159
TZ552	193
TZ553	193
TZ554	193
TZ581	288
TZ582	288
TZ966-03(Zenith)	152
TZ990(Zenith)	171
TZ992-01(Zenith)	291
TZ1009	292
TZ1029-01(Zenith)	165
TZ1034(Zenith)	171
TZ1037(Zenith)	191
TZ1058	171
TZ1151	199
TZ1152	199
TZ1153	177
TZ1180	123A
TZ1182	123A
TZC6.8	4902
TZC6.8A	4902
TZC6.8B	4902
TZC13	4918
TZC13A	4918
TZC13B	4918
TZC18	4926
TZC18A	4926
TZC18B	4926
TZC20	4928
TZC20A	4928
TZC20B	4928
TZC27	4934
TZC27A	4934
TZC27B	4934
TZC51	4950
TZC51A	4950
TZC51B	4950
TZC68	4958
TZC68A	4958
TZC68B	4958
TZC200	4988
TZC200A	4988
TZC200B	4988
TZPD3.3	5066A
U	116
U01	188
U04	190
U05-B	5801
U05B	5801
U05C	5802
U05E	5804
U05ES	5804
U05ESS	5804
U05G	5806
U05G(Flyback)	558◆
U05J	5809
U06	580
U06C	580
U06CS	580
U06E	580
U06G	580
U07J	558
U07L	558
U07M	558
U07N	558
U0513	156
U0A(Diode)	552
U1	552
U1(Diode)	552
U1S102	116
U1Z	552
U2	552
U2(Diode)	552
U2A(Diode)	552
U2N34	102
U2N34A	102A
U2N96	102
U2N96A	102A
U2N474A	123
U2S93	126A
U2SB267	102A
U2T85	103A
U5A7064354	780
U5B770939X	909
U5B771039X	910
U5B771639X	716
U5B990029	9900
U5B990329	9903
U5B990329X	9903
U5B990429	9904
U5B990429X	9904
U5B990529	9903
U5B990529X	9905
U5B990629	9906
U5B990629X	9906
U5B990729	9907
U5B990729X	9907
U5B990829	9908
U5B990829X	9908
U5B990929	9909
U5B990929X	9909
U5B991029	9910
U5B991029X	9910
U5B991129	9911
U5B991129X	9911
U5B991229	9912
U5B991229X	9912
U5B991329	9913
U5B991329X	9913
U5B991429	9914
U5B991429X	9914
U5B992129	9921
U5B992159X	9921
U5B992329	OBS-NLA
U5B992359X	OBS-NLA
U5B997429	9974§
U5B997429X	9974§
U5B7709393	909
U5B7710393	910
U5B7716393	716
U5B7716394	716
U5B7725391	925
U5B7725393	925
U5B7740393	940§
U5B7741393	941
U5B7749394	949
U5D770331X	703
U5D770339X	703
U5D990021	9900
U5D990029X	9900
U5D7703312	703
U5D7703393	703
U5D7703394	703
U5E7064394	780
U5E7746394	707
U5F771139X	911
U5F991529	9915
U5F991529X	9915
U5F992629	9926
U5F992659X	9926
U5F992729	9927
U5F992759X	9927
U5F7711393	911
U5F7715393	915
U5F7723393	923
U5F7746394	707
U5F7747393	947
U5M7749394	949
U5R7723393	923
U5T7725393	925
U5Z7703394	703
U6A180659X	9806
U6A740059X	7400

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
U6A909359X	9093
U6A909459X	9094
U6A909759X	9097
U6A909959X	9099
U6A910959X	9109
U6A911059X	9110§
U6A911159X	9111
U6A911259X	9112§
U6A913559X	9135
U6A915759X	9157
U6A915859X	9158
U6A939059X	7490
U6A993059X	9930
U6A993159X	9931
U6A993259X	9932
U6A993359X	9933
U6A993559X	9935
U6A993659X	9936
U6A993759X	9937
U6A994159X	9941
U6A994459X	9944
U6A994559X	9945
U6A994659X	9946
U6A994859X	9948
U6A994959X	9949
U6A995059X	9950
U6A995159X	9951
U6A996159X	9961
U6A996259X	9962
U6A996359X	9963
U6A7045312	912
U6A7046312	912
U6A7075354	723
U6A7136354	737§
U6A7410759X	74107
U6A7709393	909D
U6A7710393	910D
U6A7711393	911D
U6A7720354	744
U6A7720395	744
U6A7723393	923D
U6A7729394	720
U6A7730393	725
U6A7732394	718
U6A7739312	725
U6A7739393	725
U6A7739394	725
U6A7741393	941D
U6A7742393	979§
U6A7746393	790
U6A7746394	790
U6A7767394	722
U6A7780394	714
U6A7781394	715
U6AA7780394	714
U6AH00059X	74H00
U6AH00159X	74H01
U6AH00459X	74H04
U6AH00559X	74H05
U6AH00859X	74H08
U6AH01059X	74H10
U6AH01159X	74H11
U6AH02059X	74H20
U6AH02159X	74H21
U6AH03059X	74H30
U6AH04059X	74H40
U6AH05059X	74H50
U6AH05159X	74H51
U6AH05259X	74H52
U6AH05359X	74H53
U6AH05459X	74H54
U6AH05559X	74H55
U6AH06059X	74H60
U6AH06159X	74H61
U6AH06259X	74H62
U6AH07159X	74H71
U6AH07259X	74H72
U6AH07359X	74H73
U6AH07459X	74H74
U6AH10159X	74H101
U6AH10259X	74H102
U6AH10359X	74H103
U6AH10859X	74H108
U6AH18359X	74H183
U6AN00059X	7400
U6AN00159X	7401
U6AN00259X	7402
U6AN00359X	7403
U6AN00459X	7404
U6AN00559X	7405
U6AN00659X	7406
U6AN00759X	7407
U6AN00859X	7408
U6AN00959X	7409
U6AN01059X	7410
U6AN01159X	7411
U6AN01259X	7412
U6AN01359X	7413
U6AN01459X	7414
U6AN01659X	7416
U6AN01759X	7417
U6AN02059X	7420
U6AN02159X	7421
U6AN02559X	7425
U6AN02659X	7426
U6AN02759X	7427
U6AN03059X	7430
U6AN03259X	7432
U6AN03759X	7437
U6AN03859X	7438
U6AN03959X	7439
U6AN04059X	7440
U6AN05059X	7450
U6AN05159X	7451
U6AN05359X	7453
U6AN05459X	7454
U6AN06059X	7460
U6AN07059X	7470
U6AN07259X	7472
U6AN07359X	7473
U6AN07459X	7474
U6AN08059X	7480
U6AN08259X	7482
U6AN09059X	7490
U6AN09159X	7491
U6AN09359X	7493A
U6AN09559X	7495
U6AN10759X	74107
U6AN12259X	74122
U6AN13259X	74132
U6AN17659X	74176
U6AN17759X	74177
U6AN18059X	74180
U6AN19659X	74196
U6AN19759X	74197
U6AN993259X	9932
U6AN993359X	9933
U6AS00059X	74S00
U6AS00359X	74S03
U6AS00459X	74S04
U6AS00559X	74S05
U6AS01059X	74S10
U6AS01159X	74S11
U6AS01559X	74S15
U6AS02059X	74S20
U6AS02259	74S22
U6AS04059X	74S40
U6AS06459X	74S64
U6AS06559X	74S65
U6AS07459X	74S74
U6AS11359X	74S113
U6AS11459X	74S114
U6AS14059X	74S140
U6B7066354	728
U6B7414159X	74141
U6B7780394	714
U6BA01559X	7441
U6BA04259X	74182
U6BH02259X	74H22
U6BH07659X	74H76
U6BH10659X	74H106
U6BN02359X	7423
U6BN04259X	7442
U6BN04359X	7443
U6BN04459X	7444
U6BN07559X	7475
U6BN07659X	7476
U6BN08359X	7483
U6BN08559X	7485
U6BN09459X	7494
U6BN15359X	74153
U6BN15559X	74155
U6BN15659X	74156
U6BN17559X	74175
U6BS11259X	74S112
U6BS13359X	74S133
U6BS13459X	74S134
U6BS15359X	74S153
U6BS15759X	74S157
U6BS15859X	74S158
U6BS17559X	74S175
U6BS19459X	74S194
U6E7729394	720
U6E7739393	725
U6M931459X	8314
U6NA01159X	74154
U6NA04159X	74181
U6NN15059X	74150
U6NN19859X	74198
U6NN19959X	74199
U7AH08759X	74H87
U7AN15259X	74152
U7AN16459X	74164
U7AN17859X	74178
U7B931459X	8314
U7B936659X	74193
U7B7758354	743
U7BA04559X	7445
U7BN04859X	7448
U7BN09659X	7496
U7BN046591	7446
U7BN12359X	74123
U7BN14159X	74141
U7BN14559X	74145
U7BN15159X	74151
U7BN16559X	74165
U7BN16659X	74166
U7BN17059X	74170
U7BN17459X	74174
U7BN17959X	74179
U7BN19059X	74190
U7BN19159X	74191
U7BN19259X	74192
U7BN19359X	74193
U7F7065354	712
U7F7065394	712
U7F7729394	720
U7F7732394	718
U7F7746394	790
U7F7767394	722
U7F7780394	714
U7F7781394	715
U7F77463394	790
U7F77803394	714
U8A99238X	OBS-NLA
U8A990028	9900
U8A991428	9914
U8A992328	OBS-NLA
U8B770339X	703
U8B7703394	703
U8B7737394	705A
U8F7737394	705A
U8F7746394	705A
U9A9N0459X	7404
U9A9N0759X	7407
U9A9N8659X	7486
U9A74259X	979§
U9A180059X	9800
U9A180159X	9801
U9A180259X	9802
U9A180359X	9803
U9A180459X	9804
U9A180559X	9805
U9A180659X	9806
U9A180759X	9807
U9A180859X	9808
U9A180959X	9809
U9A181059X	9810
U9A181159X	9811
U9A181259X	9812
U9A181359X	9813
U9A181459X	9814
U9A741059X	7410
U9A749359X	7493A
U9A909359X	9093
U9A909459X	9094
U9A909759X	9097
U9A909959X	9099
U9A913559X	9135
U9A915759X	9157
U9A915859X	9158
U9A938259X	7482
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U9A993259X	9932
U9A993359X	9933
U9A993559X	9935
U9A993659X	9936
U9A993759X	9937
U9A994159X	9941
U9A994459X	9944
U9A994559X	9945
U9A994659X	9946
U9A994859X	9948
U9A994959X	9949
U9A995059X	9950
U9A995159X	9951
U9A996159X	9961
U9A996259X	9962
U9A996359X	9963
U9A7064354	783
U9A7075394	723
U9A7136354	737§
U9A7410759X	74107
U9A7709393	909D
U9A7711393	911D
U9A7720354	744
U9A7720395	744
U9A7723393	923D
U9A7729394	720
U9A7741393	941D
U9A7746394	790
U9A7767394	722
U9A7781394	715
U9AC00159X	4001B
U9AC00259X	4002B
U9AC01159X	4011B
U9AC01259X	4012B
U9AC01359X	4013B
U9AC02359X	4023B
U9AC02559X	4025B
U9AC02759X	4027B
U9AC03059X	4030B
U9AC04959X	4049
U9AC05059X	4050B
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U9AH00459X	74H04
U9AH00559X	74H05
U9AH00859X	74H08
U9AH01059X	74H10
U9AH01159X	74H11
U9AH02059X	74H20
U9AH02159X	74H21
U9AH02259X	74H22
U9AH03059X	74H30
U9AH04059X	74H40
U9AH05059X	74H50
U9AH05159X	74H51
U9AH05259X	74H52
U9AH05359X	74H53
U9AH05459X	74H54
U9AH05559X	74H55
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U9AH07259X	74H72
U9AH07359X	74H73
U9AH07459X	74H74
U9AH07659X	74H76
U9AH08759X	74H87
U9AH10159X	74H101
U9AH10259X	74H102
U9AH10359X	74H103
U9AH10859X	74H108
U9AH18359X	74H183
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U9AN00259X	7402
U9AN00359X	7403
U9AN00459X	7404
U9AN00559X	7405
U9AN00659X	7406
U9AN00759X	7407
U9AN00859X	7408
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U9AN03859X	7438
U9AN03959X	7439
U9AN04059X	7440
U9AN05059X	7450
U9AN05159X	7451
U9AN05359X	7453
U9AN05459X	7454
U9AN06059X	7460
U9AN07059X	7470
U9AN07259X	7472
U9AN07359X	7473
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U9AN08059X	7480
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U9AN09059X	7490
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U9AN09359X	7493A
U9AN09559X	7495
U9AN10759X	74107
U9AN12259X	74122
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U9AN15259X	74152
U9AN16459X	74164
U9AN17659X	74176
U9AN17759X	74177
U9AN17859X	74178
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U9AS00459X	74S04
U9AS00559X	74S05
U9AS01059X	74S10
U9AS01159X	74S11
U9AS01559X	74S15
U9AS02059X	74S20
U9AS02259X	74S22
U9AS04059X	74S40
U9AS06459X	74S64
U9AS06559X	74S65
U9AS07459X	74S74
U9AS11359X	74S113
U9AS11459X	74S114
U9AS14059X	74S140
U9B744259X	7442
U9B7780394	714
U9B7787354	797
U9BA01559X	7441
U9BA04259X	74182
U9BA04559X	7445
U9BC01959X	4019B
U9BC02859X	4028B
U9BC51259X	4512B
U9BH10659X	74H106
U9BN02359X	7423
U9BN04259X	7442
U9BN04359X	7443
U9BN04459X	7444
U9BN04859X	7448
U9BN07559X	7475
U9BN07659X	7476
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U9BN08559X	7485
U9BN09459X	7494
U9BN09659X	7496
U9BN046591	7446
U9BN12359X	74123
U9BN14159X	74141
U9BN14559X	74145
U9BN15159X	74151
U9BN15359X	74153
U9BN15559X	74155
U9BN15659X	74156
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U9BN16659X	74166
U9BN17059X	74170
U9BN17459X	74174
U9BN17559X	74175
U9BN17959X	74179
U9BN19059X	74190
U9BN19159X	74191
U9BN19259X	74192
U9BN19359X	74193
U9BS11259X	74S112
U9BS13359X	74S133
U9BS13459X	74S134
U9BS15359X	74S153
U9BS15759X	74S157
U9BS15859X	74S158
U9BS17559X	74S175
U9BS19459X	74S194
U9C7065354	712
U9D7067354	729
U9D7758354	743
U9J7706354	OBS-NLA
U9NA01159X	74154
U9NA04159X	74181
U9NN15059X	74150
U9NN19859X	74198
U9NN19959X	74199
U9T7101392	975
U9T7741392	976
U9T7753354	736
U10	191
U15C	5804
U19B	580
U19C	580
U19E	580
U19E-F	580
U51	189
U119	125
U120	125
U149(SGD)	326♦
U168(SGD)	326♦
U181A	5710
U181B	5710
U181C	5710
U181D	5710
U181E	5710
U181F	5710
U182A	5711
U182B	5711
U182C	5711
U182D	5711
U182E	5711
U182F	5711
U183	459
U183A	5712
U183B	5712
U183C	5712
U183D	5712
U183E	5712
U183F	5712
U184A	6220
U184B	6220
U184C	6220
U184D	6220
U184E	6220
U184F	6220
U197	312
U199	466
U201	466
U212	116
U212-25	116
U213	116
U214	116
U222	466
U235	312
U251A	5710
U251B	5710
U251C	5710
U251D	5710
U251E	5710
U251F	5710
U252A	5711
U252B	5711
U252C	5711
U252D	5711
U252E	5711
U252F	5711
U253A	5712
U253B	5712
U253C	5712
U253D	5712
U253E	5712
U253F	5712
U254A	6220
U254B	6220
U254C	6220
U254D	6220
U254E	6220
U254F	6220
U311	452
U312	452
U361	125
U401A	5710
U401B	5710
U401C	5710
U401D	5710
U401E	5710
U401F	5710
U402A	5711
U402B	5711
U402C	5711
U402D	5711
U403A	5712
U403B	5712
U403C	5712
U403D	5712
U403E	5712
U403F	5712
U404A	6220
U404B	6220
U404C	6220
U404D	6220
U404E	6220
U404F	6220
U410	461
U411	461
U412	461
U417B	1624
U460A	107
U460B	107
U525	504
U535	229
U535/7825B(Zener)	5070A
U535/7825B(Transistor)	229
U535A	229
U535B	229
U535B/7825B	229
U535C	107
U535M	107
U551A	5710
U551B	5710
U551C	5710
U551D	5710
U551E	5710
U551F	5710
U552A	5711
U552B	5711
U552C	5711
U552D	5711
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U552F	5711
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U553C	5712
U553D	5712
U553E	5712
U553F	5712
U554A	6220
U554B	6220
U554C	6220
U554D	6220
U554E	6220
U554F	6220
U574	615A
U574J	615A
U574K	615A
U-633	116
U633	116
U737	705A
U901A	5720
U901B	5720
U901C	5720
U901D	5720
U901E	5720
U901F	5720
U902A	5721
U902B	5721
U902C	5721
U902D	5721
U902F	5721
U903A	5722
U903B	5722
U903C	5722
U903D	5722
U903E	5722
U903F	5722
U904A	6230
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ULN2225P	742
ULN2226A	739
ULN2226N	739
ULN2228A	790
ULN2228N	790
ULN2229A	821
ULN2231A	983
ULN2243A	1578
ULN-2243A	1578
ULN2244	743
ULN2244A	743
ULN2244N	743
ULN2261A	818
ULN2262A	797
ULN2262N	797
ULN2264A	783
ULN2264N	783
ULN2265A	845
ULN2266A	728
ULN2266N	728
ULN2267A	729
ULN2268A	982
ULN2269A	791
ULN2269N	791
ULN2274B	804
ULN2274P	804
ULN2275P	804
ULN2275Q	804
ULN2276P	804
ULN2276Q	804
ULN2277P	804
ULN2277Q	804
ULN2278B	804
ULN2278P	804
ULN2278Q	804
ULN2280A	740A
ULN2280B	740A
ULN2280N	740A
ULN-2281B	862
ULN2281B	862
ULN2289A	788
ULN2289N	788
ULN2290B	1231A
ULN2290Q	1231
ULN-2291M	815
ULN2294M	836
ULN2298A	738
ULN2298N	738
ULN2741D	941
ULN2747A	947D
ULN-2801A	2016
ULN-2802A	2017
ULN-2803A	2018
ULN-2804A	2019
ULN-2805A	2020
ULN-2811A	2016
ULN-2812A	2017
ULN-2813A	2018
ULN-2814A	2019
ULN-2815A	2020
ULN3127N	744
ULN3262A	797
ULN3330Y	3039
ULN3330YT	3039
ULN3701Z	1232
ULN3701ZH	1232
ULN3701ZV	1232
ULN3914A	844
ULN8125A	1721
ULN8126A	1722
ULN8127A	1723
ULN8160	1672
ULN8160A	1672
ULN8160R	1672
ULN8194A	1729
ULS-2045A	912
ULS-2045H	912
ULT3415	289A
ULT3730	127
ULT3731	127
ULT6306	283
ULX2228A	790
ULX2228N	790
ULX2244A	743
ULX2267A	729
ULX2277	804
ULX2298N	738
UMT3202	124
UN1111(BCE)	2356
UN1112(BCE)	2358
UN1113(BCE)	2360
UN1211(BCE)	2355◆

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
UN1212(BCE)	2357
UN1213(BCE)	2359
UN2111	2415
UN2112	2417
UN2113	2419
UN2211	2414
UN2212	2416
UN2213	2418
UN4066B	4066B
UN4111	2356
UN4112	2358
UN4113	2360
UN4211	2355
UN4212	2357
UN4213	2359
UO5-B	5801
UO5B	5801
UO5C	5802
UO-5E	156
UO5E	5808
UO5G	5808
UO5G(Flyback)	558 ♦
UO5J	5809
UO6C	580
UO6G	580
UO513	156
UP32C	1050
UP12217	186
UP12218	186
UP14046	186
UP14047	186
UPA15A(EBC)	81
uPA15A(EBC)	81
uPA33A	463
uPA37A(EBC)	81
UPA37A(EBC)	81
UPA-41C*	82
UPA41C*	82
uPA53C	2084
UPA64H	1680
uPA64H	1680
UPA64HE	1680
UPA79C	2090
uPA81C	2079
UPB2S00D	74S00
UPB2S10D	74S10
UPB2S20D	74S20
UPB2S112D	74S112
UPB74H00C	74H00
UPB74H01C	74H01
UPB74H04C	74H04
UPB74H10C	74H10
UPB74H20C	74H20
UPB74H30C	74H30
UPB74H40C	74H40
UPB74H51C	74H51
UPB74LS00	74LS00
UPB74LS02	74LS02
UPB74LS03	74LS03
UPB74LS04	74LS04
UPB74LS05	74LS05
UPB74LS08	74LS08
UPB74LS10	74LS10
UPB74LS11	74LS11
UPB74LS20	74LS20
UPB74LS21	74LS21
UPB74LS21C	74LS21
UPB74LS21D	74LS21
UPB74LS27	74LS27
UPB74LS30	74LS30
UPB74LS32	74LS32
UPB74LS37	74LS37
UPB74LS37C	74LS37
UPB74LS37D	74LS37
UPB74LS38	74LS38
UPB74LS40	74LS40
UPB74LS40C	74LS40
UPB74LS40D	74LS40
UPB74LS42	74LS42
UPB74LS51	74LS51
UPB74LS54	74LS54
UPB74LS54C	74LS54
UPB74LS54D	74LS54
UPB74LS55	74LS55
UPB74LS55C	74LS55
UPB74LS55D	74LS55
UPB74LS74	74LS74A
UPB74LS86	74LS86
UPB74LS109	74LS109A
UPB74LS138	74LS138
UPB74LS139	74LS139
UPB74LS139C	74LS139
UPB74LS139D	74LS139
UPB74LS151	74LS151
UPB74LS153	74LS153
UPB74LS155	74LS155
UPB74LS155C	74LS155
UPB74LS155D	74LS155
UPB74LS157	74LS157
UPB74LS161	74LS161A
UPB74LS164	74LS164
UPB74LS175	74LS175
UPB74LS192	74LS192
UPB74LS192C	74LS192
UPB74LS192D	74LS192
UPB74LS193	74LS193
UPB74LS195	74LS195A
UPB74LS253	74LS253
UPB74LS257	74LS257
UPB74LS258	74LS258
UPB74LS258C	74LS258
UPB74LS258D	74LS258
UPB74LS279	74LS279
UPB74LS279C	74LS279
UPB74LS279D	74LS279
UPB74LS366A	74LS279
UPB74LS366AC	74LS366A
UPB74LS366AD	74LS366A
UPB74LS367	74LS367
UPB74LS368	74LS368
UPB74LS368C	74LS368
UPB120D	9669
UPB121D	9668
UPB123D	9661
UPB124D	9678
UPB125D	9662
uPB201C	7400
UPB201D	7400
uPB202C	7410
UPB202D	7410
uPB203C	7420
UPB203D	7420
uPB204C	7430
UPB204D	7430
uPB205C	7440
UPB205D	7440
uPB206C	7450
UPB206D	7450
uPB207C	7451
UPB207D	7451
UPB208D	7453
UPB209D	7454
uPB210C	7460
UPB210D	7460
uPB211C	7472
UPB211D	7470
UPB212C	7473
UPB212D	7472
uPB213C	7474
UPB214C	7474
UPB214D	7474
uPB215C	7401
UPB215D	7401
UPB216C	74H11
UPB216D	74H11
uPB217C	7475
UPB217D	7475
uPB218C	7441
UPB218D	7441
uPB219C	7490
UPB219D	7490
uPB222C	7492
UPB222D	7492
uPB223C	7493A
UPB223D	7493A
UPB224C	7476
UPB224D	7476
UPB225C	7473
UPB225D	7473
UPB226C	7495
UPB226D	7495
UPB227D	7442
UPB230D	7483
UPB232C	7402
UPB232D	7402
UPB233C	74H21
UPB233D	74H21
UPB234C	7408
UPB234D	7408
UPB235D	7404
UPB236D	7405
UPB237D	7437
UPB238D	7438
UPB405	74S475
UPB405C	74S475
UPB405D	74S475
UPB405D-E	74S475
UPB405-E	74S475
UPB406	74S572
UPB406C	74S572
UPB406C-E	74S572
UPB406D	74S572
UPB406D-E	74S572
UPB406-E	74S572
UPB408	74S479
UPB408C	74S479
UPB408D	74S479
UPB425	74S474
UPB425C	74S474
UPB425C-E	74S474
UPB425D	74S474
UPB425D-E	74S474
UPB425-E	74S474
UPB426	74S573
UPB426C	74S573
UPB426C-E	74S573
UPB426D	74S573
UPB426D-E	74S573
UPB426-E	74S573
UPB428	74S478
UPB428C	74S478
UPB428D	74S478
UPB2047D	7447
UPB2080D	7480
UPB2085D	7485
UPB2086D	7486
UPB2091D	7491
UPB2150D	74150
UPB2151D	74151
UPB2154D	74154
UPB2161D	74161
UPB2170D	74170
UPB2180D	74180
UPB2181D	74181
UPB2182D	74182
UPB2192D	74192
UPB2193D	74193
UPB2195D	74195
UPB2198D	74198
UPB7400C	7400
UPB7402C	7402
UPB7404C	7404
UPB7405C	7405
UPB7410C	7410
UPB7413C	7413
UPB7420C	7420
UPB7430C	7430
UPB7437C	7437
UPB7438C	7438
UPB7440C	7440
UPB7442C	7442
UPB7445C	7445
UPB7447C	7447
UPB7450C	7450
UPB7451C	7451
UPB7453C	7453
UPB7454C	7454
UPB7460C	7460
UPB7473C	7473
UPB7474C	7474
UPB7476C	7476
UPB7480C	7480
UPB7485C	7485
UPB7486C	7486
UPB7491C	7491
uPB8212	8212
UPB8212	8212
uPB8212C	8212
UPB8212C	8212
uPB8214	8214
uPB8214C	8214
uPB8216	8216
UPB8216	8216
uPB8216C	8216
UPB8216C	8216
UPB8224	8224
uPB8224	8224
UPB8224C	8224
uPB8224C	8224
uPB8228	8228
UPB8228	8228
UPB8228C	8228
uPB8228C	8228
uPB8228J	8228
UPB74107C	74107
UPB74123C	74123
UPB74141D	74141
UPB74150C	74150
UPB74151C	74151
UPB74153C	74153
UPB74154C	74154
UPB74155C	74155
UPB74156C	74156
UPB74161C	74161
UPB74164C	74164
UPB74170D	74170
UPB74175C	74175
UPB74180C	74180
UPB74181D	74181
UPB74182C	74182
UPB74192C	74192
UPB74193C	74193
UPB74195C	74195
UPB74198C	74198
UPB74198D	74198
UPC-16	1045
UPC16A	1045
UPC17C	1047
UPC17C/D368	1047
UPC20C	1075A
UPC20C1	1075A
UPC20C2	1075A
UPC22C	1078§
UPC23c	1046
uPc23c	1046
UPC23C	1046
UPC27C	1124
UPC27Cl	1124
uPc29-2	1089*
UPC29C	1089*
UPC29C-2	1089*
UPC-29C2	1089
UPC29C3	1089*
uPc29c3	1089*
UPC29CZ	1089
uPc30c	1049
UPC31A	1048
UPC31C	1048
uPc31c	1048
UPC31C1	1048
UPC32C	1050
UPC41C	1093
uPc46c	1077
uPc47c	1076
UPC48C	1091*
uPc48c-1	1091*
UPC48C1	1091*
UPC48C-1	1091*
UPC49C	1086*
uPc50c	1084
UPC55	909
UPC71	910
UPC71A	910
UPC78L05	977
UPC78L05A	977
UPC-78L-05AN	977
UPC78L08	981
UPC78L12	950
UPC78L15	951
UPC78M05	960
UPC78M05H	960
UPC78M08H	964
UPC78M5	960
UPC78M5H	960
UPC78M8	964
UPC78M8H	964
UPC78M12	966
UPC78M12H	966
UPC78M12H2	966
UPC78M15	968
UPC78M15H	968
UPC78M18	958
UPC78M18H	958
UPC78M24	972
UPC78M24H	972
UPC81C	1075A
UPC141C	1930
UPC143-05	960
UPC143C08	964
UPC151A	941
UPC151C	941M
uPC151G	941SM
UPC151G	941SM
UPC154	925
UPC154A	925
UPC157A	1171
UPC157C	975
UPC177C	834
UPC177G	834SM
uPC177G	834SM
UPC206	1075A
UPC251A	947
UPC251C	778A
UPC251G	778SM
uPC251G	778SM
UPC255A	909
UPC258C	778A
uPC258G	778SM
UPC258G	778SM
UPC271C	922M
UPC271G	922SM
uPC271G	922SM
uPC277C	943M
UPC277C	943M
uPC277G	943SM
UPC277G	943SM
UPC301AC	975
UPC301AN	975
UPC305/B-C	1930
UPC305C	1930
UPC311C	922M
uPC311G	922SM
UPC311G	922SM
UPC324C	987
UPC324G	987SM
uPC324G	987SM
uPC339C	834
UPC339C	834
uPC339G	834SM
UPC339G	834SM
uPC358C	928M
UPC358C	928M
UPC358G	928SM
uPC358G	928SM
uPC393C	943M
UPC393C	943M
UPC393G	943SM
uPC393G	943SM
UPC451C	987
UPC451G	987SM
uPC451G	987SM
UPC494C	1729
uPC494C	1729
UPC544C	1006
UPC554	1142
UPC-554	1142
UPC554C	1142
UPC-554C	1142
UPC555	703
UPC-555A	703
UPC555A	703
UPC555AB	703
UPC555C	703
UPC-555C	703
UPC555H	1092
uPc555H	1092
UPC558	1051
UPC558C	1051
uPc558c	1051
UPC561	1079
uPc561c	1079
UPC561C	1079
uPc562c	1050
UPC562C1	1050
UPC563H	1081A*
UPC563H1D369	1081A*
UPC563H2	1081A*
UPC-563H2	1081A*
uPC563H2	1081A*
uPc564c	1088
UPC564C	1088
UPC-566H	1052
uPC566H	1052
UPC566H	1052
uPc566H	1052
UPC566H2	1052
UPC566H3	1052
UPC566H-B	1052
UPC566H-L	1052
UPC566H-M	1052
UPC566H-N	1052
UPC570C	1086
uPc571c	1078§
UPC571C	1078§
UPC571H	1638
UPC573C	1184
UPC574	615A
UPC574J	615A
uPc574J	615A
UPC-574J(AG)	615A
UPC574J(AG)	615A
UPC574JA	615A
UPC574JC	615A
UPC574J-G	615A
UPC574J-KL	615A
UPC574JV	615A
UPC574JW	615A
uPC574JW	615A
UPC574K	615A
UPC574K021	615A
UPC575	1140*
UPC575C	1141*
uPc575C2	1140
UPC575C2	1141*
UPC576H	1185
UPC577	1082
UPC577A	1082
uPC577H	1082
UPC-577H	1082
UPC577H	1082
UPC577N	1082
UPC580	1196
UPC580c	1196
UPC580C	1196
UPC587C2	1226
UPC592A2	1195
UPC592H2	1195
UPC592HZ	1195
UPC595C	1186
UPC595C2	1186
UPC596	1187
UPC596C	1187
UPC596C2	1187
uPC741	941M
UPC741C	941D
uPC741G	941SM
UPC741G	941SM
UPC767PC	722
UPC858C	1198
UPC861C	1254
UPC942H2	1195
UPC1001H	1127
UPC1001-H2	1127
UPC1001H2	1127
UPC1008C	1172
UPC1018	1563
UPC1018C	1563
UPC1018CE	1563
UPC1018C-F	1563
UPC1018J	1563
UPC1018JC	1563
UPC1020	1160
UPC1020H	1160
uPC1023H	1085
UPC1025H	1081A*
UPC1026C	1226
UPC1028	1234
UPC1028H	1234
UPC1030H	1194
UPC1031H	1245
UPC1031H2	1245
UPC1032H	1170
uPC1057C	1611
UPC1057C	1611
UPC1152H	1275
UPC1154H *	1194
UPC1155	1194
UPC1155H	1194
UPC1156	1194
UPC1156H	1194
UPC1156H2	1194
UPC1158	1497
UPC1158H2	1497
UPC1158JC	1497
UPC1161	1489
UPC1161C	1489
UPC1161JW	1489
UPC1161V	1489
UPC1167C2	1488
UPC1171	1491
UPC1171C	1491
UPC1171JC	1491
UPC1173	1460
UPC1173C	1460
UPC1173JC	1460
uPC1181GH	1285
UPC1181GH	1285
uPC1181H	1285
UPC1181H	1285
uPC1181HG	1285
UPC1181HG	1285
UPC1182H	1286
uPC1182H	1286
uPC1182HG	1286
UPC1182HG	1286
UPC1185H	1293
uPC1185H	1293
uPC1185H2	1293
UPC1185H2	1293
UPC1186	1458
UPC1186H	1458
UPC1186JD	1458
UPC1187	1493
UPC1187JC	1493
UPC1187V	1493
uPC1188H	1724
UPC1188H	1724
UPC1188JE	1724
UPC1191	1495
UPC1191JC	1495
UPC1191V	1495
UPC1197C	1248
UPC1212C	1516
UPC1213	1516
UPC1213/C	1516
UPC1213C	1516
UPC1213JE	1516
UPC1216	1518
UPC1216JC	1518
UPC1216V	1518
UPC1216V2	1518
UPC1230	1389
UPC1230H	1389
UPC1230JW	1389
UPC1238	1378
UPC1238V	1378
uPC1238V	1378
UPC1251C	928M
uPC1251G	928SM
UPC1251G	928SM
UPC1277H	1626
UPC1350	1530
UPC1350C	1530
UPC1350JC	1530
UPC1352	1416
UPC1352C	1416
UPC1352JC	1416
UPC1352S	1416
UPC1353C	1246
UPC1355C	749
UPC1356C	1483
UPC1356C2	1483
UPC1358	1420
UPC1358C	1420
uPC1358H	1420
uPC1358H2	1420
UPC1358JE	1420
UPC1360	1520
UPC1360C	1520
UPC1360JE	1520
UPC1363	1409
UPC1363C	1409
UPC1363CA	1409
UPC1363JC	1409
UPC1366	1522
UPC1366C	1522
UPC1366JW	1522
uPC1367C	1552
UPC1367C	1552
uPC1367JE	1552
UPC1368	1426
UPC1368C	1426
UPC1368H	1426
UPC1368H2	1426
UPC1368JE	1426
UPC1372	1416
UPC1372C	1416
UPC1372JE	1416
UPC1373H	1714S
UPC1373HA	1714S
UPC1377	1664
UPC1377C	1664
UPC1377JC	1664
UPC1378	1676
UPC1378H	1676
UPC1378H-L	1676
UPC1378H-P	1676
UPC1378JE	1676
UPC1379	1661
UPC1379C	1661
UPC1379JC	1661
UPC1380C	1191§
UPC1382	1616
UPC1382C	1616
UPC1382JC	1616
UPC1391	1668
UPC1391H	1668
UPC1391H-1	1668
UPC1391JE	1668
uPC1394C	1678
UPC1394C	1678
UPC1394JC	1678
UPC1458C	778A
uPC1458G	778SM
UPC1458G	778SM
UPC1555C	955M
UPC2002	1232
UPC2114LC-5	612
UPC4013	4013B
UPC4557	778A
UPC4557C	778A
UPC4558C	778A
uPC4558G	778SM
UPC4558G	778SM
UPC7061AP	1100
UPC7805	960
UPC7805H	960
UPC7808	964
UPC7808H	964
UPC7812	966
UPC7812H	966
UPC7815	968
UPC7815H	968
UPC7818	958
UPC7818H	958
UPC7824	972
UPC7824H	972
UPC7905	961
UPC7905H	961
UPC7908	965
UPC7908H	965
UPC7912	967
UPC7912H	967
UPC7915	969
UPC7915H	969
UPC7918	959
UPC7918H	959
UPC7924	971
UPC7924H	971
UPC14305	960
UPC14305H	960
UPC14308	964
UPC14308H	964
UPC14312	966
UPC14312H	966
UPC14315	968
UPC14315H	968
UPD74LS368D	74LS368
UPD405C-E	74S475
UPD411	2107
UPD411-1	2107
UPD411-2	2107
UPD411A	2107
UPD411A-1	2107
UPD411A-2	2107
UPD411AC	2107
UPD411AC-1	2107
UPD411AC-2	2107
UPD411C	2107
UPD411C-1	2107
UPD411C-2	2107
UPD411D	2107
UPD411D-1	2107
UPD411D-2	2107
uPD414	2104
UPD414	2104
uPD414-1	2104
UPD414-1	2104
UPD414-2	2104
uPD414-2	2104
uPD414C	2104
UPD414C	2104
UPD414C-1	2104
uPD414C-1	2104
UPD414C-2	2104
uPD414C-2	2104
UPD414E	2104
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UZ924	5137A
UZ927	5139A
UZ930	5141A
UZ933	5142A
UZ936	5143A
UZ940	5144A
UZ950	5147A
UZ956	5148A
UZ960	5149A
UZ975	5152A
UZ980	5153A
UZ990	5155A
UZ3355B	5133A
UZ4110	5156A
UZ4111	5157A
UZ4112	5158A
UZ4113	5159A
UZ4115	5161A
UZ4116	5162A
UZ4706	5120A
UZ4707	5121A
UZ4708	5122A
UZ4709	5124A
UZ4710	5125A
UZ4712	5127A
UZ4713	5128A
UZ4715	5130A
UZ4716	5131A
UZ4718	5133A
UZ4720	5135A
UZ4722	5136A
UZ4724	5137A
UZ4727	5139A
UZ4730	5141A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
UZ4733	5142A
UZ4736	5143A
UZ4739	5144A
UZ4743	5145A
UZ4747	5146A
UZ4751	5147A
UZ4756	5148A
UZ4762	5150A
UZ4768	5151A
UZ4775	5152A
UZ4782	5153A
UZ4791	5155A
UZ4808	5122A
UZ4812	5127A
UZ5110	5156A
UZ5111	5157A
UZ5112	5158A
UZ5113	5159A
UZ5114	5160A
UZ5115	5161A
UZ5116	5162A
UZ5117	5163A
UZ5118	5164A
UZ5119	5165A
UZ5120	5166A
UZ5210	5156A
UZ5211	5157A
UZ5212	5158A
UZ5213	5159A
UZ5214	5160A
UZ5215	5161A
UZ5216	5162A
UZ5217	5163A
UZ5218	5164A
UZ5219	5165A
UZ5220	5166A
UZ5310	5156A
UZ5311	5157A
UZ5312	5158A
UZ5313	5159A
UZ5314	5160A
UZ5315	5161A
UZ5316	5162A
UZ5317	5163A
UZ5318	5164A
UZ5319	5165A
UZ5320	5166A
UZ5706	5120A
UZ5707	5121A
UZ5708	5122A
UZ5709	5124A
UZ5710	5125A
UZ5712	5127A
UZ5713	5128A
UZ5714	5129A
UZ5715	5130A
UZ5716	5131A
UZ5718	5133A
UZ5720	5135A
UZ5722	5136A
UZ5724	5137A
UZ5727	5139A
UZ5730	5141A
UZ5733	5142A
UZ5736	5143A
UZ5740	5144A
UZ5750	5147A
UZ5756	5148A
UZ5760	5149A
UZ5775	5152A
UZ5780	5153A
UZ5790	5155A
UZ5806	5120A
UZ5807	5121A
UZ5808	5122A
UZ5809	5124A
UZ5810	5125A
UZ5812	5127A
UZ5813	5128A
UZ5814	5129A
UZ5815	5130A
UZ5816	5131A
UZ5818	5133A
UZ5820	5135A
UZ5822	5136A
UZ5824	5137A
UZ5827	5139A
UZ5830	5141A
UZ5833	5142A
UZ5836	5143A
UZ5840	5144A
UZ5850	5147A
UZ5856	5148A
UZ5860	5149A
UZ5875	5152A
UZ5880	5153A
UZ5890	5155A
UZ5906	5120A
UZ5907	5121A
UZ5908	5122A
UZ5909	5124A
UZ5910	5125A
UZ5912	5127A
UZ5913	5128A
UZ5914	5129A
UZ5915	5130A
UZ5916	5131A
UZ5918	5133A
UZ5920	5135A
UZ5922	5136A
UZ5924	5137A
UZ5927	5139A
UZ5930	5141A
UZ5933	5142A
UZ5936	5143A
UZ5940	5144A
UZ5950	5147A
UZ5956	5148A
UZ5960	5149A
UZ5975	5152A
UZ5980	5153A
UZ5990	5155A
UZ8110	5096A
UZ8111	151A
UZ8112	5097A
UZ8113	5098A
UZ8114	5099A
UZ8115	5100A
UZ8116	5101A
UZ8117	5102A
UZ8118	5103A
UZ8119	5104A
UZ8120	5105A
UZ8210	5096A
UZ8211	151A
UZ8212	5097A
UZ8213	5098A
UZ8214	5099A
UZ8215	5100A
UZ8216	5101A
UZ8217	5102A
UZ8218	5103A
UZ8219	5104A
UZ8220	5105A
UZ8706	5071A
UZ8707	138A
UZ8708	5072A
UZ8709	139A
UZ8710	140A
UZ8712	142A
UZ8713	143A
UZ8714	144A
UZ8715	145A
UZ8716	5075A
UZ8718	5077A
UZ8720	5079A
UZ8722	5080A
UZ8724	5081A
UZ8727	146A
UZ8730	5084A
UZ8733	147A
UZ8736	5085A
UZ8740	5086A
UZ8750	5089A
UZ8756	5090A
UZ8760	5091A
UZ8775	5093A
UZ8780	150A
UZ8790	5095A
UZ8806	5071A
UZ8807	138A
UZ8808	5072A
UZ8809	139A
UZ8810	140A
UZ8812	142A
UZ8813	143A
UZ8814	139A
UZ8815	145A
UZ8816	5075A
UZ8818	5077A
UZ8820	5079A
UZ8822	5080A
UZ8824	5081A
UZ8827	146A
UZ8830	5084A
UZ8833	147A
UZ8836	5085A
UZ8840	5086A
UZ8850	5089A
UZ8856	5090A
UZ8860	5091A
UZ8875	5093A
UZ8880	150A
UZ8890	5095A
UZ9350	5157A
UZP-6.2	137A
UZP-6.8	5071A
UZP-7.5B	138A
UZP-8.2B	5072A
UZP9.1B	139A
UZP-9.1B	139A
UZP-10B	140A
UZP-11B	5074A
UZP-12B	142A
UZP-13B	143A
UZP-15B	145A
UZP-16B	5075A
UZP-18B	5077A
UZP-20B	5079A
UZP-22B	5080A
UZP-24B	5081A
UZP-27B	146A
UZP-30B	5084A
UZP-33B	147A
V01G	125
V03	125
V03-C	125
V03C	125
V0-3C	125
V03E	125
V03-E	125
V03E(Hitachi)	506
V03E(Midland)	506
V03G	116
V03O	125
V05B	156
V06	116
V0-6	116
V0-6A	125
V06A	116
V0-6B	116
V-06B	116
V06B	125
V06BX4	116
V06C	552
V-06C	116
V06-C	116
V06C(BOOST)	506
V06C(Lafayette)	138A
V06C(Hitachi)	506
V06C(Damper)	506
V06C(Power Rectifier)	116
V06C5	116
V0-6C-401	116
V06CS	552
V06CS(FLYBACK)	552
V06CS/S	125
V06E	116
V06-E	125
V06G	558
V06-G	558
V06G(Flyback)	558
V06-J	506
V06J	506
V09	552
V09A	552
V09B	552
V0-9C	552
V09C	552
V09-E	552
V09E	552
V09-E(CENT.)	507
V09E-Z	552
V09G	558
V09G-F2	558
V09GTA	552
V0C236-001	221
V0C236-00i	221
V-1	173BP§
V5B7710393	910
V6/2R	126A
V6/2RC	102A
V6/2RJ	102A
V6/4R	126A
V6/4RC	102A
V6/4RJ	102A
V6/8R	126A
V6/8RJ	102A
V6C	116
V6/RC	102A
V7-2A	450A
V7-2B	450A
V10	611
V10/1S	126A
V10/1SJ	126A
V10/2S	100
V10/2SJ	100
V10/15A	102
V10/15A18	102A
V10/30A	102
V10/30A18	102A
V10/50A	102
V10/50A18	102A
V10A	611
V11-CA	558
V11J	506
V11L	506
V11M	506
V11N	558
V12	612
V12A	612
V13/11	100
V15/10DP	121
V15/20DP	121
V15/20R	126A
V15/30DP	121
V15C200/80-Vf	116
V17L	116
V18ZA1	1V010
V18ZA3	2V010
V18ZB1C	1V010
V18ZB3C	2V010
V19	552
V19B	552
V19C	552
V19CS	552
V19CSS	552
V19E	552
V19E-Z	552
V19F	552
V19G	552
V22ZA1	1V014
V22ZA3	2V014
V22ZB1C	1V014
V22ZB3C	2V014
V23C	558
V24ZA1	1V015
V24ZA4	2V015
V24ZB1C	1V015
V24ZB4C	2V015
V27ZA1	1V017
V27ZA4	2V017
V27ZB1C	1V017
V27ZB4C	2V017
V30/10DP	121
V30/20DP	121
V30/30DP	104
V30N	558
V33	614
V33A	614
V33EG	614
V33G	614
V33ZA1	1V020
V33ZA5	2V020
V33ZB1C	1V020
V33ZB5C	2V020
V39ZA1	1V025
V39ZA6	2V025
V47ZA1	1V030
V47ZA7	2V030
V50A260-36	109
V51	102A
V56ZA2	1V035
V56ZA8	2V035
V56ZB2C	1V035
V56ZB8C	2V035
V58	160
V60/10DP	121
V60/10P	121
V60/20DP	121
V60/20P	121
V60/30DP	121
V60/30P	121
V66	116
V68ZA2	1V040
V68ZA10	2V040
V74	109
V75	160
V78	117A
V82ZA2	1V050
V82ZA12	2V050
V82ZB2C	1V050
V82ZB12C	2V050
V100ZA3	1V060
V100ZA15	2V060
V115	109
V117	109
V118	107
V119	123A
V120	160
V120PH	108
V120RH	128
V120ZA1	1V075
V120ZA6	2V075
V126	145A
V129	107
V130LA1	1V130
V130LA2	1V130
V130LA10A	2V130
V130LA20A	524V13
V130LB2C	1V130
V130LB10C	2V130
V135	109
V137PL	3020
V139	128
V140	138A
V143	107
V144	124
V145	121
V146	128
V148	117A
V150LA1	1V150
V150LA2	1V150
V150LA10A	524V15
V150LA20A	524V15
V150LAX572	524V15
V150LB2C	1V150
V150LB20C	2V150
V150ZA1	1V095
V150ZA8	2V095
V151(Benco)	9914
V152	159
V152A	121
V154	128
V159	312
V160	142A
V162	159
V162A	121
V166	128
V167	134A
V169	123A
V169P	3025
V170D	3021
V171	117A
V172	128
V174	138A
V175	146A
V176	184
V177	128
V178	703
V178P	3007
V180	129
V180ZA1	1V115
V180ZA10	2V115
V180ZB1C	1V115
V180ZB10C	2V115
V181(Benco)	9989
V182	725
V183	312
V184	703
V188	135A
V191	156
V205	160
V-210C	109
V210C	116
V220	108
V221	108
V222	108
V250LA2	1V250
V250LA4	1V250
V250LA15A	2V250
V250LA20A	2V250
V250LA40A	524V25
V250LB4C	1V250
V250LB20C	2V250
V-270D1	116
V270-D1	116
V275LA2	1V275
V275LA4	1V275
V275LA15A	2V275
V275LA20A	2V275
V275LA40A	524V27
V275LA40B	524V27
V297	123A
V300LA2	1V300
V300LA4	1V300
V330X	580
V331X	580
V332X	580
V334X	580
V336X	580
V405	108
V405A	395
V409	152
V410	159
V410A	159
V413	6408
V413K	6408
V413L	6407
V413M	6407
V413N	6408
V415	108
V417	108
V420LA20A	2V420
V420LA40A	524V42
V420LA40B	524V42
V435	108
V435A	159
V442	116
V-442	116
V480LA20A	2V480
V480LA40A	2V480
V480LA80A	524V48
V480LB40C	2V480
V480LB80C	524V48
V530P	3169◆
V532P	3170◆
V533P	3171◆
V541P	3172◆
V542P	3173◆
V543P	3174◆
V622P	3131
V622PY	3131
V623P	3130
V623PG	3130
V654	193
V655	193
V741	193
V745	129
V761	159
V763	159
V765	129
V910	611
V910A	611
V912	612
V912A	612
V933	614
V933A	614
V1112	177
V-1266	145A
V1650E-1	312
V1650E-4	312
V1833E	312
V3074A20	116
V3074A21	116
V8634-3	112
V-8634-3	112
V9446-4	116
V10158	116
V10916-3	109
V-10916-3	109
V11189-1	116
V15920	116
V50260-10	177
V50260-16	109
V50260-22	109
V50260-32	177
V50260-35	109
V50260-36	177
V587710393	910
VA127	614
VA128	614
VA132	611
VA135	611
VA157	611
VA160	614
VA5139	610
VA5139A	610
VAC571C1	1078§
VAD1N34A///-1	109
VAMV-1	116
VAR	177
VAR-1R2	177
VB11	102A
VB-11	116
VB15	525
VB100	156(2)
VB300	156(2)
VB400	156(2)
VB-400	156(2)
VB500	156(2)
VB-600	156(2)
VB600	156(2)
VB600A	156(2)
VBH600	156(2)
VC6E	116
VC10	611
VC10A	611
VC12	612
VC12A	612
VC33	614
VC33A	614
VC80	541
VC210	611
VC210A	611
VC212	612
VC212A	612
VC233	614
VC233A	614
VC309	611
VC309A	611
VC321	613
VC321A	613
VC332	614
VC332A	614
VC408	610
VC408A	610
VC409	611
VC409A	611
VC410	611
VC410A	611
VC421	613
VC421A	613
VC422	613
VC422A	613
VC432	614
VC432A	614
VC433	614
VC433A	614
VC610	611
VC610A	611
VC611	611
VC611A	611
VC612	612
VC612A	612
VC613	612
VC613A	612
VC622	613
VC622A	613
VC623	613
VC623A	613
VC633	614
VC633A	614
VC634	614
VC634A	614
VC822	611
VC822A	611
VC823	612
VC823A	612
VC827	614
VC827A	614
VC841	610
VC841A	610
VC2011	5126A
VCR3P	460
VCR4N	466
VD1N34A///-1	109
VD6	116
VD10E1LF	116
VD11	109
VD12	109
VD13	109
VD-121C	116
VD1120	601
VD1121	601
VD1122	601
VD-1122	601
VD-1123	177
VD1123	601
VD-1124	601
VD1124	601
VD1127	177
VD1129	601
VD1150L	601
VD1150M	601
VD1210	605A
VD1210L	605A
VD1211	605A
VD1212	605A
VD1213	605A
VD1220	605A
VD1220-M	605A
VD1221	605A
VD1221L	605A
VD1222	605A
VD1251L	601
VD1252L	605A
VD1260M	601
VD1271ME	519
VD1272LE	519
VD1272ME	519
VD-S-7-013626-001	519
VE08	5304
VE18	5304
VE27	5304
VE28	5304
VE47	5304
VE48	5304
VE67	5305
VE68	5305
VE88	5306
VE108	5307
VE79092	9949
VE79093	9944
VE79141	9937
VF-2	125
VF5-5	518
VF5-5X	518
VF5-7	518
VF5-7X	518
VF5-10	518
VF5-10X	518
VF10-5	518
VF10-5X	518
VF10-7	518
VF10-7X	518
VF10-10	518
VF10-10X	518
VF15X	518
VF25-5	518
VF25-5X	518
VF25-7	518
VF25-7X	518
VF25-10	518
VF25-10X	518
VF579	264
VF-1043	614
VFA2745C	116
VFA-2745C	116
VFG2745B	104
VFG-274513	104
VFL-2744K	126A
VFL2744K	160
VFP-2746C	104
VFP2746C	121
VFP-6537C	121
VFP6537C	121
VFQ-2745F	100
VFQ2745F	102A
VFS5K	126A
VFS2745	158
VFS-2745	102A
VFS2745J	158
VFS-2745J	102A
VF-SD1A	506
VFSD-1A	119
VFT-2745H	102A
VFU2746B	121
VFU-2746B	121
VFU65326B	121
VFW2745D	160
VFW-27450	126A
VFY-2745E	100
VG310	611
VG310A	611
VG322	613
VG322A	613
VG333	614
VG333A	614
VH048	5312
VH1AN301	1446
VH1AN6300	1412
VH1AN6341	1425
VH1AN6342	1427
VH1S2339MB-1	611
VH1UPD4066B-1	4066B
VH2SF1422/1F	230
VH10	611
VH12	612
VH33	614
VH148	5312
VH247	5313
VH248	5313
VH447	5314
VH448	5314
VH647	5315
VH648	5315
VH848	5316
VH910	611
VH912	612
VH933	614
VH1048	5317
VH7084	614
VHC1S2139C	611
VHC1S2139-C-1	611
VHCBB109G-1	610
VHCBB1096//-1	614
VHCFV1043//-1	610
VHCSVC211//3F	616
VHD02Z3R3////A	5005A
VHD1N34///-1	109
VHD1N34A	109
VHD1N34A///-1	109
VHD1N34A///-2	109
VHD1N60	109
VHD1N60////-1	109
VHD1N60-1	109
VHD1N60////-3	109
VHD1N60-PP/1G	109
VHD1N4001	116
VHD1S34	109
VHD1S34///-1	109
VHD1S34A///-1	109
VHD1S155V/1G	177
VHD1S188FM	109
VHD1S953///1F	177
VHD1S1553//-1	177
VHD1S1555//-1	177
VHD1S1555//1A	177
VHD1S1555///A	177
VHD1S1555-R-1	177
VHD1S1834//-1	506
VHD1S1885//-1	116
VHD1S1885-1	116
VHD1S1926-M-1	112
VHD1S2076-1	177
VHD1S2076//-1	177
VHD1S2076//-U	519
VHD1S2230//1E	116
VHD1S2473	519
VHD1S2473//-1	519
VHD1SS119//-1	519
VHD1SS119//1E	519
VHD10E1-1	116
VHD10E1////-1	116
VHD10E1FD//-1	125
VHD10E-4////-1	116
VHD30D2	125
VHD30D2FAS/-1	125
VHDBB221///-1	616
VHDCDG00///-1	177
VHDDBA30C12-1	5313
VHDDBA40C//-1	5313
VHDS5277B//-1	116
VHE205	588

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
VHE210	588
VHE215	588
VHE220	588
VHEBZ-120	142A
VHEHZ6B2///1A	5012A
VHEHZ6B3///1A	136A
VHEHZ6C	5013A
VHEHZ12A2L	5021A
VHEHZ12C-2L-1	5023A
VHEHZ33-2//-1	5036A
VHERD4R7EC/-1	5009A
VHERD5R1JB1-1	5010A
VHERD5R1JB2-1	5010A
VHERD6R2JB2-1	5013A
VHERD6R8EE/-1	5071A
VHERD9R1JB2-1	5018A
VHERD27ED//-1	146A
VHERD160JB1-1	5025A
VHERD160JB2-1	5025A
VHERD240JB2-1	5031A
VHEWZ-100//1F	5019A
VHEWZ-100-1F	140A
VHEWZ-197//-1	5029A
VHEWZ-1001E	5096A
VHEWZ-1001F	177
VHEWZ-1001F(10 volts)	140A
VHEWZ-1001F(100 volts)	5096A
VHEWZ-10001F	5096A
VHEXZ-090-1	139A
VHEXZ-090//-1	5018A
VHEXZ090-1	139A
VHF1S2076-1	177
VHI74LS42//-1	74LS42
VHIAN262///-1	1263
VHID14071P-1	4071B
VHIHA11225/-1	1488
VHIHD74LS00P/	74LS00
VHIHD74LS09-1	74LS09
VHIHD74LS14-1	74LS14
VHIHD74LS136P	74LS136
VHIHD7417//-1	7417
VHILA1230S/-1	788
VHILA1231N/-1	1441
VHILA1240//-1	1214
VHILB1415//-1	1514
VHILB1426//-1	1511
VHILM358N//-1	928M
VHIM54459//-1	1745
VHINE646B//-1	2004
VHINE646B//1F	2004
VHINJM4558D-1	778A
VHINJM4558D-1	778A
VHINJM4558DX1	778A
VHIRC4558P	778A
VHIRC4558P/-1	778A
VHIRC4558PL-1	778A
VHISTK-459/-1	1330
VHISTK-461	1331
VHISTK-465/-1	1345
VHISTK3042/-1	1338§
VHITA7120P/-1	1087
VHITA7130P2	1234
VHITA7343P	1657
VHITA75558S	1529
VHITA75558S-1	1529
VHITC4001BP-1	4001B
VHITC4011BP-1	4011B
VHITC4027BP-1	4027B
VHITC4028BP-1	4028B
VHITC4052BP-1	4052B
VHiTC4052BP-1	4052B
VHITC4514BP-1	4514B
VHITC4528BP-1	4528B
VHITL489CP/-1	1505
VHITL4558C/-1	778A
VHiUPC1391H-1	1668
VHIUPC1391H-1	1668
VHiUPD4066B-1	4066B
VHIUPD4066B-1	4066B
VHPGL5NG6	3024
VHPGL5PR6	3022
VHS2SF656//1E	5402
VHS2SF1422/1E	230
VHS3S4M/LB1E	5457
VHS326	177
VHSCR3AMZ8LB1	5424◆
VHSCS3AMZ8LB1	399
VHSS6089///1B	230
VHSS6089///1E	230
VHSS6142GLB1E	5424
VHSS6340GLB1E	5424
VHSSFORIA411E	5402
VHV1S1209-1	177
VHVCDG24///-1	177
VHVHV1N4148-1	519
VHVHV23G-B	600
VJ148	5312
VJ248	5313
VJ448	5314
VJ648	5315
VJ848	5316
VJ1048	5317
VL/8RJ	100
VL18RJ	126A
VM08	5332
VM-0.09M	113A
VM18	5332
VM25	5332
VM28	5332
VM48	5332
VM68	5332
VM88	5334
VM108	5334
VM204	610
VM204A	610
VM205	610
VM205A	610
VM210	610
VM210A	610
VM211	610
VM211A	610
VM216	610
VM216A	610
VM217	610
VM217A	610
VM222	610
VM222A	610
VM223	610
VM223A	610
VM228	610
VM228A	610
VM229	610
VM229A	610
VM234	610
VM234A	610
VM235	610
VM235A	610
VM304	611
VM304A	611
VM305	611
VM305A	611
VM310	611
VM310A	611
VM311	611
VM311A	611
VM316	611
VM316A	611
VM317	611
VM317A	611
VM328	611
VM328A	611
VM329	611
VM329A	611
VM334	611
VM334A	611
VM335	611
VM335A	611
VM504	613
VM504A	613
VM505	613
VM505A	613
VM510	613
VM510A	613
VM511	613
VM511A	613
VM516	613
VM516A	613
VM517	613
VM517A	613
VM522	613
VM522A	613
VM523	613
VM523A	613
VM528	613
VM528A	613
VM529	613
VM529A	613
VM534	613
VM534A	613
VM535	613
VM535A	613
VM604	614
VM604A	614
VM605	614
VM605A	614
VM610	614
VM610A	614
VM611	614
VM611A	614
VM616	614
VM616A	614
VM617	614
VM617A	614
VM622	614
VM622A	614
VM623	614
VM623A	614
VM628	614
VM628A	614
VM629	614
VM629A	614
VM634	614
VM634A	614
VM635	614
VM635A	614
VM-20233	124
VM20233	124
VM-30203	121
VM30203	121
VM30209	123A
VM-30209	123A
VM30233	124
VM-30234	124
VM30234	124
VM-30241	123A
VM30241	123A
VM30242	123A
VM-30242	123A
VM-30244	102A
VM30244	102A
VM-30245	124
VM30245	124
VM45332	123A
VM60280	123A + 159(CP)
VM-PH9D522/1	116
VM-PH11D522/1	116
VMPH11D522-1	116
VMT-01	532
VMT-02	531
VMT-03	500A
VMT-03-01	500A
VMT-03-02	500A
VMT-04	521
VMT-05	522
VMT-05-01	522
VMT-05-02	522
VMT-05-03	522
VMT-06	537
VMT-07	533
VMT-08	523/3306
VMT-09	529
VMT-09-01	529
VMT-10	536A
VMT-11	534
VMT-12	538
VMT-13	539
VMT-14	539
VMT-15	530
VM-TC02P11/2	116
VN0330N5	67
VN0330N5G	67
VN0335N5	67
VN0335N5G	67
VN0340N5	67
VN0340N5G	67
VN1209N5	66
VO1G	115
VO1G(Emerson)	115
VO-3C	125
VO3C	125
VO3-C	125
VO3G	125
VO-5E	116
VO-6A	116
VO6B	116
VO6C	116
VO6-C	116
VO-6C	116
VO6C5	116
VO6E	116
VO6G	558
VO-9C	552
VO9C	552
VO-9E	552
VO9E	552
VO9G	558
VOG	116
VQ042B	229
VR1B	552
VR1D	552
VR1G	552
VR1G(Diode)	552
VR1J(Diode)	552
VR2D	552
VR5.6	136A
VR5.6A	136A
VR5.6B	136A
VR6.2B	137A
VR6.8B	5071A
VR7.5B	138A
VR8.2B	5072A
VR9B	139A
VR9.1	139A
VR9.1A	139A
VR9.1B	139A
VR10	140A
VR10A	140A
VR10B	140A
VR10E	5186A
VR10F	5125A
VR11	141A
VR11A	141A
VR11B	5074A
VR11F	5126A
VR12	142A
VR12A	142A
VR12B	142A
VR12E	5188A
VR12F	5127A
VR13	143A
VR13A	143A
VR13B	143A
VR13F	5128A
VR14	144A
VR-14	145A
VR14A	144A
VR14B	144A
VR15	145A
VR15A	145A
VR15B	145A
VR15E	5191A
VR15F	5130A
VR16B	5075A
VR16F	5131A
VR18B	5077A
VR18E	5194A
VR18F	5133A
VR20B	5079A
VR20F	5135A
VR22B	5080A
VR22E	5197A
VR22F	5136A
VR24B	5081A
VR24F	5137A
VR27	146A
VR27A	146A
VR27B	146A
VR27E	5200A
VR27F	5139A
VR28B	5083A
VR30B	5084A
VR30F	5141A
VR33	147A
VR33A	147A
VR33B	147A
VR36B	5085A
VR39B	5086A
VR43B	5087A
VR47B	5088A
VR51B	5089A
VR56	148A
VR56A	148A
VR56B	5090A
VR62	149A
VR62A	149A
VR62B	149A
VR68B	5092A
VR75B	5093A
VR82	150A
VR82A	150A
VR82B	150A
VR91B	5095A
VR100B	5096A
VR110	151A
VR110A	151A
VR110B	151A
VR120B	5097A
VR130B	5098A
VR150B	5100A
VR160B	5101A
VR180B	5103A
VR200B	5105A
VRD1N34A///-1	109
VRD1S1555-R-1	177
VS048	5312
VS-0A70	109
VS-1	116
VS1	116
VS2B561-C/-1	159
VS-2SA71	160
VS-2SA71B	160
VS2SA71B	160
VS2SA71BS	160
VS-2SA71BS	160
VS-2SA103	126A
VS2SA103	126A
VS2SA128V	158
VS-2SA358	126A
VS-2SA378	160
VS2SA378	160
VS2SA379	160
VS-2SA379	160
VS-2SA385	126A
VS2SA385	126A
VS2SA385L	126A
VS-2SA385L	126A
VS2SA495-0/-1	290A
VS2SA495-0/1E	290A
VS2SA495-Y/1E	290A
VS2SA562-0/1E	290A
VS2SA562-O/1E	290A
VS2SA562-Q/1E	290A
VS2SA562T-O/1E	290A
VS2SA562T-Q/1E	290A
VS2SA562-Y/1E	290A
VS2SA673A-B/1E	290A
VS2SA673A-C/1E	290A
VS2SA673-B/1E	290A
VS2SA673-C/1A	290A
VS2SA673-C/1E	290A
VS2SA673-C/2A	290A
VS2SA673-D/1A	290A
VS2SA715-C/-A	185#
VS2SA733-P	290A
VS2SA738-C/-1	185#
VS2SA738C-1	185#
VS2SA740///1E	398
VS2SA844-D/-1	234
VS2SA844-D/-2	234
VS2SA844D/-2	234
VS2SA844-E/1E	234
VS2SA854-Q/1E	290A
VS2SA854-Q/E	290A
VS2SA950-Y/1E	290A
VS2SA966-Y/-1	294
VS2SA999-F	290A
VS2SA999-F/-1	290A
VS2SA1013	32
VS2SA1013/1E	32
VS2SA1015-0-3	290A
VS2SA1015G/1E	290A
VS2SA1015LGR1	290A
VS2SA1015Y	290A
VS2SA1015Y/1E	290A
VS2SA1015Y/2E	290A
VS2SA1029C	290A
VS2SA1029C-1E	290A
VS2SB126	121
VS-2SB126	121
VS-2SB126F	121
VS2SB126F	121
VS-2SB126V	121
VS2SB126V	121
VS-2SB128V	127
VS-2SB171	102A
VS2SB171	102A
VS-2SB172	102A
VS2SB172	102A
VS-2SB172FN	102A
VS-2SB176	102A
VS2SB176	102A
VS2SB178	102A
VS-2SB178	102A
VS2SB178A	102A
VS-2SB178A	102A
VS2SB324	158
VS-2SB324	158
VS2SB355-D/-1	104
VS-2SB448	131
VS2SB525-D/-1	294
VS2SB561-C/-1	159
VS2SB566-C/-1	292
VS2SB568///-1	398
VS2SB744-Q	185◆
VS-2SC58	154
VS-2SC58A	154
VS-2SC58B	154
VS-2SC58C	154
VS2SC206	161
VS-2SC206	161
VS2SC208	161
VS-2SC208	161
VS2SC227-V/-1	128
VS2SC229-0/1E	399
VS2SC324H	123A
VS-2SC324H	123A
VS2SC371-R-1	289A
VS2SC372-0/1E	85
VS2SC372Y//-1	85
VS2SC372-Y/1E	85
VS2SC373-//1E	85
VS2SC373G-1	85
VS2SC373-G/-1	85
VS2SC373G//-1	85
VS2SC373-G-1	85
VS2SC374-B-1	199
VS2SC380A0/1E	85
VS2SC380AY/1E	85
VS2SC380-Y/-1	85
VS2SC380/Y//1	85
VS2SC383-W/1E	85
VS-2SC385L	107
VS2SC385L	107
VS2SC388A-/1A	85
VS2SC394-0-1	289A
VS2SC394-1-1	289A
VS2SC394-Y-1	289A
VS2SC394Y-1	289A
VS2SC394-Y/-1	289A
VS2SC454-B/-1	85
VS2SC454-B/1E	85
VS2SC454-B/2A	85
VS2SC454-C/1A	85
VS2SC454-C/1E	85
VS2SC454-C/3A	85
VS2SC454-C/E	85
VS-2SC458	85
VS-2SC-458	85
VS2SC458	85
VS2SC458-C/1E	85
VS2SC458-C/-E	85
VS2SC458-D/-1	85
VS2SC458L	85
VS2SC458L-C1A	85
VS2SC458LGD-1	85
VS2SC460B	85
VS2SC460B-1	85
VS2SC460-B/-1	85
VS2SC460-B-1	85
VS2SC460-C	85
VS2SC461-B/-1	85
VS2SC461-C	85
VS2SC481-1	195A
VS2SC495-0/1E	295
VS2SC495-5/-1	295
VS2SC495T-1	295
VS2SC495-T/-1	295
VS2SC495-T-1	295
VS2SC496-Y/-1	295
VS2SC535-B	107
VS2SC535-B/-1	107
VS2SC535B/-1	107
VS2SC535-B/1A	107
VS2SC535-B/1E	107
VS2SC535-C/-1	107
VS-2SC538	123A
VS-2SC563	161
VS2SC681A-R1A	283
VS2SC681A-Y2E	283
VS-2SC683	161
VS2SC684	107
VS-2SC684	107
VS2SC717///-1	107
VS2SC732BTM-1	199
VS2SC732-V1F	199
VS2SC733-B-1	199
VS2SC733-B/-1	199
VS2SC733B-1	199
VS2SC735-Y-1	289A
VS2SC735Y-1	289A
VS-2SC762	161
VS2SC784R-1	229
VS2SC784-R/1E	229
VS2SC784-R1F	229
VS2SC784R1F	229
VS2SC785-0///	229
VS2SC900-E	199
VS2SC900U-1	199
VS2SC900-U-1	199
VS2SC900-U/-1	199
VS2SC941-Y/-1	289A
VS2SC945AK-1	85
VS2SC945AK/-1	85
VS2SC945AP	85
VS2SC945AP/-1	85
VS2SC945AP-1	85
VS2SC945AQ	85
VS2SC945LK-1	85
VS2SC945LK/-1	199
VS2SC945LP/-1	85
VS2SC945LP-1	85
VS2SC975///-1	373
VS2SC983-0/2E	287
VS2SC983-Y/2A	287
VS2SC1061-C1A	152
VS2SC1166-0-1	289A
VS2SC1166-1-1	289A
VS2SC1166-Q-1	289A
VS2SC1166-Y-1	289A
VS2SC1166Y-1	289A
VS2SC1172-/1E	238
VS2SC1173-/1E	152
VS2SC1173-Y-3	152
VS2SC1174-/1E	389
VS2SC1213AC1A	289A
VS2SC1213AC/A	289A
VS2SC1213C1A	289A
VS2SC1213-C1A	289A
VS2SC1213-C/1A	289A
VS2SC1213-C1E	289A
VS2SC1213-D1A	289A
VS2SC1237-1	235
VS2SC1237-1F	235
VS2SC1237-/1F	235
VS2SC1237-IF	235
VS2SC1335D/1	199
VS2SC1335D/-1	199
VS2SC1415//-1	376
VS2SC1419-K1F	152
VS2SC1447-/1E	396
VS2SC1447K/1E	396
VS2SC1447LB1E	376
VS2SC1514/-1	376
VS2SC1514//-1	376
VS2SC1514-/1E	376
VS2SC1514-/12A	376
VS2SC1514BK-1E	376
VS2SC1514BK1E	376
VS2SC1569K/1E	376
VS2SC1674L/-1	107
VS2SC1675K/-1	85
VS2SC1675L/-1	85
VS2SC1675M-1	85
VS2SC1675M/-1	85
VS2SC1681G/1E	199
VS2SC1682BL	199
VS2SC1722//-1	376
VS2SC1722//1	376
VS2SC1723-1	376
VS2SC1723//-1	376
VS2SC1723S/-1	376
VS2SC1740S	85
VS2SC1741-1	85
VS2SC1741//-1	85
VS2SC1815GR	85
VS2SC1815GR-1	85
VS2SC1815GW-1	85
VS2SC1815LGR1	85
VS2SC1815OW-1	85
VS2SC1815W-1	85
VS2SC1815Y-1	85
VS2SC1815Y/-1	85
VS2SC1815YW-1	85
VS2SC1815YW1E	85
VS2SC1826-Y-1	196
VS2SC1826-Y1A	196
VS2SC1827Y/1E	291
VS2SC1829-/1E	94
VS2SC1841-E-1	90
VS2SC1855	229
VS2SC1855//-1	229
VS2SC1855///-1	229
VS2SC1875//-1	389
VS2SC1890A/1E	90
VS2SC1890A/2E	90
VS2SC1890AD-1	90
VS2SC1890AE-1	90
VS2SC1890D-1	90
VS2SC1894//1E	238
VS2SC1906//1A	107
VS2SC1906///1E	107
VS2SC1906//1E	107
VS2SC1909-1	235
VS2SC1921//1E	399
VS2SC1921//-1E	322
VS2SC1922//2S	389
VS2SC1923-0-1	229
VS2SC1923R/-1	107
VS2SC1942//1E	389
VS2SC1957-1	295
VS2SC1959Y	85
VS2SC1959Y/-1	85
VS2SC1959Y-1	85
VS2SC1959Y/1E	85
VS2SC1975M-1	235
VS2SC1983//-1	56
VS2SC1983//-2	56
VS2SC1985//-1	196
VS2SC2001-M-1	85
VS2SC2002-K1A	85
VS2SC2002-K/A	85
VS2SC2068LB1E	376
VS2SC2073//1E	375
VS2SC2073/3E	375
VS2SC2073/3E	375
VS2SC2073LB2E	375
VS2SC2120Y/-1	289A
VS2SC2120Y/1E	289A
VS2SC2229O/-1	399
VS2SC2229O/1E	399
VS2SC2229Y/1E	399
VS2SC2231Y/1E	198
VS2SC2236O/-1	382
VS2SC2236Y	382
VS2SC2236Y/-1	382
VS2SC2240BL-1	199
VS2SC2271-DIA	399
VS2SC2320-F-1	85
VS2SC2320-G-1	85
VS2SC2371K	157
VS2SC2371K/1E	157
VS2SC2373L/1E	379
VS2SC2383	31
VS2SC2383//1E	31
VS2SC2481-0	373
VS2SC2481//-1	399
VS2SC2481-Y	373
VS2SC2481Y	373
VS2SC2481Y/1E	373
VS2SC2481Y//1E	373
VS2SC2482	399
VS2SC2482//-1	399
VS2SC2610	399
VS2SC2610/-1E	399
VS2SC2610/1E	399
VS2SC2610BK/1E	399
VS2SC2610K/1E	399
VS2SC2611/-1A	157
VS2SC2655Y/-1	24
VS2SC2794LB1E	373
VS2SC3068LB1E	198
VS2SC3299Y/-1	377
VS2SC3299Y/1E	377
VS2SC11660-1	289A
VS2SC15691/1E	376
VS2SC18150/1E	85
VS2SC19230	229
VS2SC22290/1A	399
VS2SC22290/1E	399
VS2SC24810/1E	373
VS2SD227-V-1	85
VS2SD227-V/-1	85
VS2SD227V-1	85
VS2SD235LBY-1	152
VS2SD235LBY-2	152
VS2SD357-D/-1	291
VS2SD467-C/-1	85
VS2SD468-C	293
VS2SD470SYL2E	321
VS2SD471S-1	293
VS2SD471-S-1	293
VS2SD476-C/-I	196
VS2SD478SYL2E	375
VS2SD478-YL2E	375
VS2SD478YL2E	375
VS2SD571-K	293
VS2SD666-C/-1	382
VS2SD669C	373
VS2SD669-C	373
VS2SD669C//1E	373
VS2SD669-C/1E	373
VS2SD669C///E	373
VS2SD669D	373
VS2SD669-D	373
VS2SD669D//1E	373
VS2SD669-D/1E	373
VS2SD669D///E	373
VS2SD724///1A	375
VS2SD724///2A	379
VS2SD741-S	293
VS2SD764///-1	389
VS2SD794-0	184◆
VS2SD794A//1E	184◆
VS2SD794ALB1E	184◆
VS2SD794A-Q-1	184◆
VS2SD794LB1E	184
VS2SD794-Q/-1	184◆
VS2SD863-F/-1	382
VS2SD869//1E	89
VS2SD869-//1E	89
VS2SD869Y	89
VS2SD870-1	89
VS2SD870///-1	89
VS2SD871///-1	89
VS2SD880-Y	152
VS2SD880-Y/-1	152
VS2SD898A-/1E	89
VS2SD898B-/1E	89
VS2SD898B-13//1E	89
VS2SD906///-1	89
VS2SD906-1E	89
VS2SD906///1E	89
VS2SD906///-1E	89
VS2SD906///-E	89
VS2SD972-//-1	2334
VS2SD975///-1	373
VS2SD1190//-1E	263
VS2SD1426//1E	2302
VS2SD1569K/1E	376
VS2SD2271-1	85
VS2SK30AG//1E	459
VS2SK30AG//2E	459
VS2SK30A-Y/-1(SGD)	459
VS2SK34-C3	312
VS2SK34-E	459◆
VS2SK43////1A	312
VS2SK49F-1	312
VS2SK49-F//-1	312
VS2SK49-F-1	312
VS2SK49-H	451
VS2SK49-HI	312
VS2SK55-E//-1	312
VS2SK61-Y//-1	451
VS2SK61-Y-1	312
VS9-0001-911	116
VS9-0002-911	116
VS9-0003-911	125
VS9-0003-913	199
VS9-0004-911	125
VS9-0004-923	234
VS9-0005-911	116
VS9-0005-913	123A
VS9-0006-911	116
VS9-0006-913	123A
VS9-0007-911	116

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
VS9-0008-911	177
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VS120	116
VS148	5312
VS202	116
VS247	5313◆
VS248	5313
VS447	5314◆
VS448	5314
VS500	5952
VS600	5952
VS647	5315◆
VS648	5315
VS848	5316
VS1048	5317
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VSBF495-C//-1	229
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VS-CS1255H	128
VS-CS1255HF	128
VS-CS1256HG	129
VSCS1256HG	159
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VSF2745	100
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VS-FR-1	116
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VS-FR-1P	116
VSFR1P	116
VS-FR1P	116
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VSFT1N	116
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VSK3040S	6084
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VSK4040	6094
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VSSD1B	116
VS-SD-1Z	116
VSSD1Z	116
VS-SD-82A	112
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VSTC02P11/2	116
VS-TC02P11/2	116
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VZ-058	5012A
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VZ-069	5014A
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VZ-073	5015A
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VZA250	2V250
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VZA300	1V300
VZB095	2V095
VZB130	2V130
VZB150	2V150
VZB250	2V250
VZB275	2V275
VZB300	2V300
VZB420	2V420
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VZC300	524V30
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VZD130	524V13
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VZD250	524V25
VZD275	524V27
VZD300	524V30
VZD420	524V42
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VZG150	1V150
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W4-28	345
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W55	148A
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W171DIP-21	F2A005%
W171DIP-23	F2A012%
W171DIP-24	F2A024%
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W1004	7404
W1005	7410
W1006	7451
W1007	74122
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W1600	123A
W1602	128
W1603	154
W1604	128
W1702	129
W1704	129
W1800	130
W1801	130
W1802	245
W1803	189
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W2000(Organ)	461
W2001	461
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W2010	6401
W2011	6400B
W2020	6408
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W2031	5402
W2032	5457
W2033	5515
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W2175	5463
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W2201	130 +219(CP)
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W6102ASX-1	A40240
W6102DSX-1	B40240
W6110ASX-1	A40240
W6110DSX-1	B40240
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W6125DSX-1	B40240
W6125DTX-1	B40240
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W6202ASX-1	A40240
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W6475DSX-1	B75480
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WA100	8098
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WA117	8115
WA126	8125
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WA152	8149
WA6279	289A
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WAYNE2	385
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WAYNE7	100
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WD6A5	116
WD10	113A
WD11	114
WD12	115
WD20	118
WD21	119
WD22	120
WD90	139A
WE081	5072A
WE-464-1	486
WE-732-91	5305
WE4110	OBS-NLA
WED8748-2	909
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WEP191	HiDiv-4
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WG91	139A
WG103	177
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WK-5457(FET)	457
WK5458	105
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WK5459	105
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WL-172C	5077A
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WL-230B	5081A
WL-230C	5081A
WL-230D	5081A
WL-240	5081A
WL-240A	5081A
WL-240B	5081A
WL-240C	5081A
WL-240D	5081A
WL-250	5081A
WL-250A	5081A

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To Be Replaced	ECG Replacement
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WL-250C	5081A
WL-250D	5081A
WL-260	146A
WL-260A	146A
WL-260B	146A
WL-260C	146A
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WM-092	139A
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WM-092D	139A
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WM-094B	139A
WM-094C	139A
WM-094D	139A
WM-098	140A
WM-098A	140A
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WM-098D	140A
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WM-100B	140A
WM-100C	140A
WM-100D	140A
WM-110	5074A
WM-110A	5074A
WM-110B	5074A
WM-115	141A
WM-115A	141A
WM-115B	141A
WM-115C	141A
WM-115D	5074A
WM-120	142A
WM-120A	142A
WM-120B	142A
WM-120C	142A
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WM-130D	143A
WM-140	144A
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WM-140C	144A
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WM-157B	5075A
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WM-162C	5075A
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WM-167D	5075A
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WM-182D	5077A
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WM-240C	5081A
WM-240D	5081A
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WM-250C	5081A
WM-250D	5081A
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WM-260C	146A
WM-260D	146A
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WM-270B	146A
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WM-270D	146A
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WN-079D	5072A
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WN-083D	5072A
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WN-088D	139A
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WN-182D	5077A
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WN-340D	147A
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WO-050D	135A
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WO-052C	135A
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WO-061D	137A
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WO-081C	5072A
WO-081D	5072A
WO-083	5072A
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WO-083C	5072A
WO-083D	5072A
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WO-090D	139A
WO-092	139A
WO-092A	139A
WO-092B	139A
WO-092C	139A
WO-092D	139A
WO-094	139A
WO-094A	139A
WO-094B	139A
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WO-094D	139A
WO-098	140A
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WO-098B	140A
WO-098C	140A
WO-098D	140A
WO3B	116
WO6	116
WO6A	125
WO-6A	116
WO-6B	116
WO6B	116
WO-61	137A
WO-100A	140A
WO-100B	140A
WO-100C	140A
WO-100D	140A
WO-110	5074A
WO-110A	5074A
WO-110B	5074A
WO110C	5074A
WO-110D	5074A
WO-115	141A
WO-115A	141A
WO-115B	141A
WO-115C	141A
WO115D	141A
WO-120	142A
WO-120A	142A
WO-120B	142A
WO-120C	142A
WO-120D	142A
WO-125	143A
WO-125A	143A
WO-125B	143A
WO-125C	143A
WO-125D	143A
WO130	143A
WO-130A	143A
WO-130B	143A
WO-130C	143A
WO-130D	143A
WO-140	144A
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WO-140B	144A
WO-140C	144A
WO-140D	144A
WO-150	145A
WO-150A	145A
WO-150B	145A
WO-150C	145A
WO-150D	145A
WO-157	5075A
WO-157A	5075A
WO-157B	5075A
WO-157C	5075A
WO-157D	5075A
WO-162	5075A
WO-162A	5075A
WO-162B	5075A
WO-162C	5075A
WO-162D	5075A
WO-167	5075A
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WO-167B	5075A
WO-167C	5075A
WO-167D	5075A
WO-172	5077A
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WO-172B	5077A
WO-172C	5077A
WO-172D	5077A
WO-177	5077A
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WO-177B	5077A
WO-177C	5077A
WO-177D	5077A
WO-182	5077A
WO-182A	5077A
WO-182B	5077A
WO-182C	5077A
WO-182D	5077A
WO-230	5081A
WO-230A	5081A
WO-230B	5081A
WO-230C	5081A
WO-230D	5081A
WO-240	5081A
WO-240A	5081A
WO-240B	5081A
WO-240C	5081A
WO-240D	5081A
WO-250	5081A
WO-250A	5081A
WO-250B	5081A
WO-250C	5081A
WO-250D	5081A
WO-260	146A
WO-260A	146A
WO-260B	146A
WO-260C	146A
WO-260D	146A
WO-270	146A
WO-270A	146A
WO-270B	146A
WO-270C	146A
WO-270D	146A
WO-290	5084A
WO-290A	5084A
WO-290B	5084A
WO-290C	5084A
WO-290D	5084A
WO-300	5084A
WO-300A	5084A
WO-300B	5084A
WO-300C	5084A
WO-300D	5084A
WO-330	147A
WO-330A	147A
WO-330B	147A
WO-330C	147A
WO-330D	147A
WO-340	147A
WO-340A	147A
WO-340B	147A
WO-340C	147A
WO-340D	147A
WOO5	5304
WP-050	135A
WP-050A	135A
WP-050B	135A
WP-050C	135A
WP-050D	135A
WP-052	135A
WP-052A	135A
WP-052B	135A
WP-052C	135A
WP-052D	135A
WP-054	136A
WP-054A	136A
WP-054B	136A
WP-054C	136A
WP-054D	136A
WP-056	136A
WP-056A	136A
WP-056B	136A
WP-056C	136A
WP-056D	136A
WP-058	136A
WP-058A	136A
WP-058B	136A
WP-058C	136A
WP-058D	136A
WP-061	137A
WP-061A	137A
WP-061B	137A
WP-061C	137A
WP-061D	137A
WP-063	137A
WP-063A	137A
WP-063B	137A
WP-063C	137A
WP-063D	137A
WP-065	137A
WP-065A	137A
WP-065B	137A
WP-065C	137A
WP-065D	137A
WP-071	138A
WP-071A	138A
WP-071B	138A
WP-071C	138A
WP-071D	138A
WP-073	138A
WP-073A	138A
WP-073B	138A
WP-073C	138A
WP-073D	138A
WP-075	138A
WP-075A	138A
WP-075B	138A
WP-075C	138A
WP-075D	138A
WP-077	138A
WP-077A	138A
WP-077B	138A
WP-077C	138A
WP-077D	138A
WP-079	5072A
WP-079A	5072A
WP-079B	5072A
WP-079C	5072A
WP-079D	5072A
WP-081	5072A
WP-081A	5072A
WP-081B	5072A
WP-081C	5072A
WP-081D	5072A
WP-083	5072A
WP-083A	5072A
WP-083B	5072A
WP-083C	5072A
WP-083D	5072A
WP-085	5072A
WP-085A	5072A
WP-085B	5072A
WP-085C	5072A
WP-085D	5072A
WP-088	139A
WP-088A	139A
WP-088B	139A
WP-088C	139A
WP-088D	139A
WP-090	139A
WP-090A	139A
WP-090B	139A
WP-090C	139A
WP-090D	139A
WP-092	139A
WP-092A	139A
WP-092B	139A
WP-092C	139A
WP-092D	139A
WP-094	139A
WP-094A	139A
WP-094B	139A
WP-094C	139A
WP-094D	139A
WP-098	140A
WP-098A	140A
WP-098B	140A
WP-098C	140A
WP-098D	140A
WP-100	140A
WP-100A	140A
WP-100B	140A
WP-100C	140A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
WP-100D	140A
WP-110	5074A
WP-110A	5074A
WP-110B	5074A
WP-110C	5074A
WP-110D	5074A
WP-115	141A
WP-115A	141A
WP-115B	141A
WP-115C	141A
WP-115D	141A
WP-120	142A
WP-120A	142A
WP-120B	142A
WP-120C	142A
WP-120D	142A
WP-125	143A
WP-125A	143A
WP-125B	143A
WP-125C	143A
WP-125D	143A
WP-130	143A
WP-130A	143A
WP-130B	143A
WP-130C	143A
WP-130D	143A
WP-140	144A
WP-140A	144A
WP-140B	144A
WP-140C	144A
WP-140D	144A
WP-150	145A
WP-150A	145A
WP-150B	145A
WP-150C	145A
WP-150D	145A
WP-157	5075A
WP-157A	5075A
WP-157B	5075A
WP-157C	5075A
WP-157D	5075A
WP-162	5075A
WP-162A	5075A
WP-162B	5075A
WP-162C	5075A
WP-162D	5075A
WP-167	5075A
WP-167A	5075A
WP-167B	5075A
WP-167C	5075A
WP-167D	5075A
WP-172	5077A
WP-172A	5077A
WP-172B	5077A
WP-172C	5077A
WP-172D	5077A
WP-177	5077A
WP-177A	5077A
WP-177B	5077A
WP-177C	5077A
WP-177D	5077A
WP-182	5077A
WP-182A	5077A
WP-182B	5077A
WP-182C	5077A
WP-182D	5077A
WP-230	5081A
WP-230A	5081A
WP-230B	5081A
WP-230C	5081A
WP-230D	5081A
WP-240	5081A
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WP-240B	5081A
WP-240C	5081A
WP-240D	5081A
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WP-250C	5081A
WP-250D	5081A
WP-260	146A
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WP-260B	146A
WP-260C	146A
WP-260D	146A
WP-270	146A
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WP-270B	146A
WP-270C	146A
WP-270D	146A
WP-290	5084A
WP-290A	5084A
WP-290B	5084A
WP-290C	5084A
WP-290D	5084A
WP-300	5084A
WP-300A	5084A
WP-300B	5084A
WP-300C	5084A
WP-300D	5084A
WP-330	147A
WP-330A	147A
WP-330B	147A
WP-330C	147A
WP-330D	147A
WP-340	147A
WP-340A	147A
WP-340B	147A
WP-340C	147A
WP-340D	147A
WQ-050	135A
WQ-050A	135A
WQ-050B	135A
WQ-050C	135A
WQ-050D	135A
WQ-052	135A
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WQ-052B	135A
WQ-052C	135A
WQ-052D	135A
WQ-054	136A
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WQ-054B	136A
WQ-054C	136A
WQ-054D	136A
WQ-056	136A
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WQ-056B	136A
WQ-056C	136A
WQ-056D	136A
WQ-058	136A
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WQ-065D	137A
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WQ-071C	138A
WQ-071D	138A
WQ-073	138A
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WQ-073B	138A
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WQ-073D	138A
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WQ-075D	138A
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WQ-079D	5072A
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WQ-081B	5072A
WQ-081C	5072A
WQ-081D	5072A
WQ-083	5072A
WQ-083A	5072A
WQ-083B	5072A
WQ-083C	5072A
WQ-083D	5072A
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WQ-085B	5072A
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WQ-085D	5072A
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WQ-088B	139A
WQ-088C	139A
WQ-088D	139A
WQ-090	139A
WQ-090A	139A
WQ-090B	139A
WQ-090C	139A
WQ-090D	139A
WQ-092	139A
WQ-092A	139A
WQ-092B	139A
WQ-092C	139A
WQ-092D	139A
WQ-094	139A
WQ-094A	139A
WQ-094B	139A
WQ-094C	139A
WQ-094D	139A
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WQ-098A	140A
WQ-098B	140A
WQ-098C	140A
WQ-098D	140A
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WU-050D	135A
WU-052	135A
WU-052A	135A
WU-052B	135A
WU-052C	135A
WU-052D	135A
WU-054	136A
WU-054A	136A
WU-054B	136A
WU-054C	136A
WU-054D	136A
WU-056	136A
WU-056A	136A
WU-056B	136A
WU-056C	136A
WU-056D	136A
WU-058	136A
WU-058A	136A
WU-058B	136A
WU-058C	136A
WU-058D	136A
WU-061	137A
WU-061A	137A
WU-061B	137A
WU-061C	137A
WU-061D	137A
WU-063	137A
WU-063A	137A
WU-063B	137A
WU-063C	137A
WU-063D	137A
WU-065	137A
WU065A	137A
WU-065B	137A
WU-065C	137A
WU-065D	137A
WU-071	138A
WU-071A	138A
WU-071B	138A
WU-071C	138A
WU-071D	138A
WU-073	138A
WU-073A	138A
WU-073B	138A
WU-073C	138A
WU-073D	138A
WU-075	138A
WU-075A	138A
WU-075B	138A
WU-075C	138A
WU-075D	138A
WU-077	138A
WU-077A	138A
WU-077B	138A
WU-077C	138A
WU-077D	138A
WU-079	5072A
WU-079A	5072A
WU-079B	5072A
WU-079C	5072A
WU-079D	5072A
WU-081	5072A
WU-081A	5072A
WU-081B	5072A
WU-081C	5072A
WU-081D	5072A
WU-083	5072A
WU-083A	5072A
WU-083B	5072A
WU-083C	5072A
WU-083D	5072A
WU-085	5072A
WU-085A	5072A
WU-085B	5072A
WU-085C	5072A
WU-085D	5072A
WU-088	139A
WU-088A	139A
WU-088B	139A
WU-088C	139A
WU-088D	139A
WU-090	139A
WU-090A	139A
WU-090B	139A
WU-090C	139A
WU-090D	139A
WU-092	139A
WU-092A	139A
WU-092B	139A
WU-092C	139A
WU-092D	139A
WU-094	139A
WU-094A	139A
WU-094B	139A
WU-094C	139A
WU-094D	139A
WU-098	140A
WU-098A	140A
WU-098B	140A
WU-098C	140A
WU-098D	140A
WU2N1307	140A
WU-20B	142A
WU-100	140A
WU-100A	140A
WU-100B	140A
WU-100C	140A
WU-100D	140A
WU-110	5074A
WU-110A	5074A
WU-110B	5074A
WU-110C	5074A
WU-110D	5074A
WU-115	141A
WU-115A	141A
WU-115B	141A
WU-115C	141A
WU-115D	141A
WU-120	142A
WU-120A	142A
WU-120B	142A
WU-120C	142A
WU-120D	142A
WU-125	142A
WU-125A	142A
WU-125B	142A
WU-125C	142A
WU-125D	142A
WU-130	143A
WU-130A	143A
WU-130B	143A
WU-130C	143A
WU-130D	143A
WU-140	144A
WU-140A	144A
WU-140B	144A
WU-140C	144A
WU-140D	144A
WU-150	145A
WU-150A	145A
WU-150B	145A
WU-150C	145A
WU-150D	145A
WU-157	5075A
WU-157A	5075A
WU-157B	5075A
WU-157C	5075A
WU-157D	5075A
WU-162	5075A
WU-162A	5075A
WU-162B	5075A
WU-162C	5075A
WU-162D	5075A
WU-167	5075A
WU-167A	5075A
WU-167B	5075A
WU-167C	5075A
WU-167D	5075A
WU-172	5077A
WU-172A	5077A
WU-172B	5077A
WU-172C	5077A
WU-172D	5077A
WU-177	5077A
WU-177A	5077A
WU-177B	5077A
WU-177C	5077A
WU-177D	5077A
WU-182	5077A
WU-182A	5077A
WU-182B	5077A
WU-182C	5077A
WU-182D	5077A
WU-230	5081A
WU-230A	5081A
WU-230B	5081A
WU-230C	5081A
WU-230D	5081A
WU-240	5081A
WU-240A	5081A
WU-240B	5081A
WU-240C	5081A
WU-240D	5081A
WU-250	5081A
WU-250A	5081A
WU-250B	5081A
WU-250C	5081A
WU-250D	5081A
WU-260	146A
WU-260A	146A
WU-260B	146A
WU-260C	146A
WU-260D	146A
WU-270	146A
WU-270A	146A
WU-270B	146A
WU-270C	146A
WU-270D	146A
WU-290	5084A
WU-290A	5084A
WU-290B	5084A
WU-290C	5084A
WU-290D	5084A
WU-300	5084A
WU-300A	5084A
WU-300B	5084A
WU-300C	5084A
WU-300D	5084A
WU-330	147A
WU-330A	147A
WU-330B	147A
WU-330C	147A
WU-330D	147A
WU-340	147A
WU-340A	147A
WU-340B	147A
WU-340C	147A
WU-340D	147A
WV-050	135A
WV-050A	135A
WV-050B	135A
WV-050C	135A
WV-050D	135A
WV-052	135A
WV-052A	135A
WV-052B	135A
WV-052C	135A
WV-052D	135A
WV-054	136A
WV-054A	136A
WV-054B	136A
WV-054C	136A
WV-054D	136A
WV-056	136A
WV-056A	136A
WV-056B	136A
WV-056C	136A
WV-056D	136A
WV-058	136A
WV-058A	136A
WV-058B	136A
WV-058C	136A
WV-058D	136A
WV-061	137A
WV-061A	137A
WV-061B	137A
WV-061C	137A
WV-061D	137A
WV-063	137A
WV-063A	137A
WV-063B	137A
WV-063C	137A
WV-063D	137A
WV-065	137A
WV-065A	137A
WV-065B	137A
WV-065C	137A
WV-065D	137A
WV-071	138A
WV-071A	138A
WV-071B	138A
WV-071C	138A
WV-071D	138A
WV-073	138A
WV-073A	138A
WV-073B	138A
WV-073C	138A
WV-073D	138A
WV-075	138A
WV-075A	138A
WV-075B	138A
WV-075C	138A
WV-075D	138A
WV-077	138A
WV-077A	138A
WV-077B	138A
WV-077C	138A
WV-077D	138A
WV-079	5072A
WV-079A	5072A
WV-079B	5072A
WV-079C	5072A
WV-079D	5072A
WV-081	5072A
WV-081A	5072A
WV-081B	5072A
WV-081C	5072A
WV-081D	5072A
WV-083	5072A
WV-083A	5072A
WV-083B	5072A
WV-083C	5072A
WV-083D	5072A
WV-085	5072A
WV-085A	5072A
WV-085B	5072A
WV-085C	5072A
WV-085D	5072A
WV-088	139A
WV-088A	139A
WV-088B	139A
WV-088C	139A
WV-088D	139A
WV-090	139A
WV-090A	139A
WV-090B	139A
WV-090C	139A
WV-090D	139A
WV-092	139A
WV-092A	139A
WV-092B	139A
WV-092C	139A
WV-092D	139A
WV-094	139A
WV-094A	139A
WV-094B	139A
WV-094C	139A
WV-094D	139A
WV-098	140A
WV-098A	140A
WV-098B	140A
WV-098C	140A
WV-098D	140A
WV2AA50C	5703
WV2AA50E	5703
WV2BC25C	5700
WV2BC25E	5700
WV2BE25C	5700
WV2BE25E	5700
WV2BH25C	5702
WV2BH25E	5702
WV2BJ25C	5701
WV2BJ25E	5701
WV2BK25C	5701
WV2BK25E	5701
WV-100	140A
WV-100A	140A
WV-100B	140A
WV-100C	140A
WV-100D	140A
WV-110	5074A
WV-110A	5074A
WV-110B	5074A
WV-110C	5074A
WV-110D	5074A
WV-115	141A
WV-115A	141A
WV-115B	141A
WV-115C	141A
WV-115D	141A
WV-120	142A
WV-120A	142A
WV-120B	142A
WV-120C	142A
WV-120D	142A
WV-125	143A
WV-125A	143A
WV-125B	143A
WV-125C	143A
WV-125D	143A
WV-130	143A
WV-130A	143A
WV-130B	143A
WV-130C	143A
WV-130D	143A
WV-140	144A
WV-140A	144A
WV-140B	144A
WV-140C	144A
WV-140D	144A
WV-150	146A
WV-150A	146A
WV-150B	146A
WV-150C	146A
WV-150D	146A
WV-157	5075A
WV-157A	5075A
WV-157B	5075A
WV-157C	5075A
WV-157D	5075A
WV-162	5075A
WV-162A	5075A
WV-162B	5075A
WV-162C	5075A
WV-162D	5075A
WV-167	5075A
WV-167A	5075A
WV-167B	5075A
WV-167C	5075A
WV-167D	5075A
WV-170	146A
WV-172	5077A
WV-172A	5077A
WV-172B	5077A
WV-172C	5077A
WV-172D	5077A
WV-177	5077A
WV-177A	5077A
WV-177B	5077A
WV-177C	5077A
WV-177D	5077A
WV-182	5077A
WV-182A	5077A
WV-182B	5077A
WV-182C	5077A
WV-182D	5077A
WV-230	5081A
WV-230A	5081A
WV-230B	5081A
WV-230C	5081A
WV-230D	5081A
WV-240	5081A
WV-240A	5081A
WV-240B	5081A
WV-240C	5081A
WV-240D	5081A
WV-250	5081A
WV-250A	5081A
WV-250B	5081A
WV-250C	5081A
WV-250D	5081A
WV-260	146A
WV-260A	146A
WV-260B	146A
WV-260C	146A
WV-260D	146A
WV-270	146A
WV-270A	146A
WV-270B	146A
WV-270C	146A
WV-270D	146A
WV-290	5084A
WV-290A	5084A
WV-290B	5084A
WV-290C	5084A
WV-290D	5084A
WV-300	5084A
WV-300A	5084A
WV-300B	5084A
WV-300C	5084A
WV-300D	5084A
WV-330	147A
WV-330A	147A
WV-330B	147A
WV-330C	147A
WV-330D	147A
WW-050	135A
WW-050A	135A
WW-050B	135A
WW-050C	135A
WW-050D	135A
WW-052	135A
WW-052A	135A
WW-052B	135A
WW-052C	135A
WW-052D	135A
WW-054	136A
WW-054A	136A
WW-054B	136A
WW-054C	136A
WW-054D	136A
WW-056	136A
WW-056A	136A
WW-056B	136A
WW-056C	136A
WW-056D	136A
WW-058	136A
WW-058A	136A
WW-058B	136A
WW-058C	136A
WW-058D	136A
WW-061	137A
WW-061A	137A
WW-061B	137A
WW-061C	137A
WW-061D	137A
WW-063	137A
WW-063A	137A
WW-063B	137A
WW-063C	137A
WW-063D	137A
WW-065	137A
WW-065A	137A
WW-065B	137A
WW-065C	137A
WW-065D	137A
WW-071	138A
WW-071A	138A
WW-071B	138A
WW-071C	138A
WW-071D	138A
WW-073	138A
WW-073A	138A
WW-073B	138A
WW-073C	138A
WW-073D	138A
WW-075	138A
WW-075A	138A
WW-075B	138A
WW-075C	138A
WW-075D	138A
WW-077	138A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
WW-077A	138A
WW-077B	138A
WW-077C	138A
WW-077D	138A
WW-079	5072A
WW-079A	5072A
WW-079B	5072A
WW-079C	5072A
WW-079D	5072A
WW-081	5072A
WW-081A	5072A
WW-081B	5072A
WW-081C	5072A
WW-081D	5072A
WW-083	5072A
WW-083A	5072A
WW-083A	5072A
WW-083B	5072A
WW-083C	5072A
WW-083A	5072A
WW-083B	5072A
WW-083C	5072A
WW-083D	5072A
WW-085	5072A
WW-085A	5072A
WW-085B	5072A
WW-085C	5072A
WW-085D	5072A
WW-088	139A
WW-088A	139A
WW-088B	139A
WW-088C	139A
WW-088D	139A
WW-090	139A
WW-090A	139A
WW-090B	139A
WW-090C	139A
WW-090D	139A
WW-092	139A
WW-092A	139A
WW-092B	139A
WW-092C	139A
WW-092D	139A
WW-094	139A
WW-094A	139A
WW-094B	139A
WW-094C	139A
WW-094D	139A
WW-098	140A
WW-098A	140A
WW-098B	140A
WW-098C	140A
WW-098D	140A
WW-100	140A
WW-100A	140A
WW-100B	140A
WW-100C	140A
WW-100D	140A
WW-110	5074A
WW-110A	5074A
WW-110B	5074A
WW-110C	5074A
WW-110D	5074A
WW-115	142A
WW-115A	142A
WW-115B	142A
WW-115C	142A
WW-115D	142A
WW-120	142A
WW-120A	142A
WW-120B	142A
WW-120C	142A
WW-120D	142A
WW-125	144A
WW-125A	144A
WW-125B	144A
WW-125C	144A
WW-125D	144A
WW-130	144A
WW-130A	144A
WW-130B	144A
WW-130C	144A
WW-130D	144A
WW-140	144A
WW-140A	144A
WW-140B	144A
WW-140C	144A
WW-140D	144A
WW-150	145A
WW-150A	145A
WW-150B	145A
WW-150C	145A
WW-150D	145A
WW-157	5075A
WW-157A	5075A
WW-157B	5075A
WW-157C	5075A
WW-157D	5075A
WW-162	5075A
WW-162A	5075A
WW-162B	5075A
WW-162C	5075A
WW-162D	5075A
WW-167	5075A
WW-167A	5075A
WW-167B	5075A
WW-167C	5075A
WW-167D	5075A
WW-172	5077A
WW-172A	5077A
WW-172B	5077A
WW-172C	5077A
WW-172D	5077A
WW-177	5077A
WW-177A	5077A
WW-177B	5077A
WW-177C	5077A
WW-177D	5077A
WW-182	5077A
WW-182A	5077A
WW-182B	5077A
WW-182C	5077A
WW-182D	5077A
WW-230	5081A
WW-230A	5081A
WW-230B	5081A
WW-230C	5081A
WW-230D	5081A
WW-240	5081A
WW-240A	5081A
WW-240B	5081A
WW-240C	5081A
WW-240D	5081A
WW-250	5081A
WW-250A	5081A
WW-250B	5081A
WW-250C	5081A
WW-250D	5081A
WW-260	146A
WW-260A	146A
WW-260B	146A
WW-260C	146A
WW-260D	146A
WW-270	146A
WW-270A	146A
WW-270B	146A
WW-270C	146A
WW-270D	146A
WW-290	5084A
WW-290A	5084A
WW-290B	5084A
WW-290C	5084A
WW-290D	5084A
WW-300	5084A
WW-300A	5084A
WW-300B	5084A
WW-300C	5084A
WW-300D	5084A
WW-330	147A
WW-330A	147A
WW-330B	147A
WW-330C	147A
WW-330D	147A
WW-340	147A
WW-340A	147A
WW-340B	147A
WW-340C	147A
WW-340D	147A
WW-6270-37	123
WX-050	135A
WX-050A	135A
WX-050B	135A
WX-050C	135A
WX-050D	135A
WX-052	135A
WX-052A	135A
WX-052B	135A
WX-052C	135A
WX-052D	135A
WX-054	136A
WX-054A	136A
WX-054B	136A
WX-054C	136A
WX-054D	136A
WX-056	136A
WX056	136A
WX-056A	136A
WX-056B	136A
WX-056C	136A
WX-056D	136A
WX-058	136A
WX-058A	136A
WX-058B	136A
WX-058C	136A
WX-058D	136A
WX-061	137A
WX-061A	137A
WX-061B	137A
WX-061C	137A
WX-061D	137A
WX-063	137A
WX-063A	137A
WX-063B	137A
WX-063C	137A
WX-063D	137A
WX-065	137A
WX-065A	137A
WX-065B	137A
WX-065C	137A
WX-065D	137A
WX-071	138A
WX-071A	138A
WX-071B	138A
WX-071C	138A
WX-071D	138A
WX-073	138A
WX-073A	138A
WX-073B	138A
WX-073C	138A
WX-073D	138A
WX-075	138A
WX-075A	138A
WX-075B	138A
WX-075C	138A
WX-075D	138A
WX-077	138A
WX-077A	138A
WX-077B	138A
WX-077C	138A
WX-077D	138A
WX-079	5072A
WX-079A	5072A
WX-079B	5072A
WX-079C	5072A
WX-079D	5072A
WX-081	5072A
WX-081A	5072A
WX-081B	5072A
WX-081C	5072A
WX-081D	5072A
WX-083	5072A
WX-083A	5072A
WX-083B	5072A
WX-083C	5072A
WX-083D	5072A
WX-085	5072A
WX-085A	5072A
WX-085B	5072A
WX-085C	5072A
WX-085D	5072A
WX-088	139A
WX-088A	139A
WX-088B	139A
WX-088C	139A
WX-088D	139A
WX-090	139A
WX-090A	139A
WX-090B	139A
WX-090C	139A
WX-090D	139A
WX-092	139A
WX-092A	139A
WX-092B	139A
WX-092C	139A
WX-092D	139A
WX-094	139A
WX-094A	139A
WX-094B	139A
WX-094C	139A
WX-094D	139A
WX096	140A
WX-098	140A
WX-098A	140A
WX-098B	140A
WX-098C	140A
WX-098D	140A
WX6	109
WX-100	140A
WX-100A	140A
WX-100B	140A
WX-100C	140A
WX-100D	140A
WX-110	141A
WX-110A	141A
WX-110B	141A
WX-110C	141A
WX-110D	141A
WX-115	141A
WX-115A	141A
WX-115B	141A
WX-115C	141A
WX-115D	141A
WX-120	142A
WX-120A	142A
WX-120B	142A
WX-120C	142A
WX-120D	142A
WX-125	143A
WX-125A	143A
WX-125B	143A
WX-125C	143A
WX-125D	143A
WX-130	143A
WX-130A	143A
WX-130B	143A
WX-130C	143A
WX-130D	143A
WX-140	144A
WX-140A	144A
WX-140B	144A
WX-140C	144A
WX-140D	144A
WX-150	145A
WX-150A	145A
WX-150B	145A
WX-150C	145A
WX-150D	145A
WX-157	5075A
WX-157A	5075A
WX-157B	5075A
WX-157C	5075A
WX-157D	5075A
WX-162	5075A
WX-162A	5075A
WX-162B	5075A
WX-162C	5075A
WX-162D	5075A
WX-167	5075A
WX-167A	5075A
WX-167B	5075A
WX-167C	5075A
WX-167D	5075A
WX-172	5077A
WX-172A	5077A
WX-172B	5077A
WX-172C	5077A
WX-172D	5077A
WX-177	5077A
WX-177A	5077A
WX-177B	5077A
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WX-054C	136A
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WX-056	136A
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WX-090C	139A
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WZ-098	5019A
WZ-098A	140A
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WZ3.6	134A
WZ5	135A
WZ5.6	136A
WZ6.2	137A
WZ7.5	138A
WZ9.1	139A
WZ10	140A
WZ11.5	141A
WZ12	142A
WZ12.8	143A
WZ13B	143A
WZ14	144A
WZ15	145A
WZ27	146A
WZ33	147A
WZ55	148A
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WZ82	150A
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WZ-140	5023A
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WZ-172	5026A
WZ-177	5077A
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WZ-182	5027A
WZ-187	5028A
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WZ544	5029A
WZ905	135A
WZ916	141A
WZ917	142A
WZ919	144A
WZ920	145A
WZ-920	145A
WZ1301	5022A
WZ=050	5010A
WZO61	137A
WZO90	139A
X004CE	749
X0017TA	712
X0017TAZZ	712
X0020CE	1004
X0043CE	712
X0047CE	1189
X0054CE	1140
X0065CE	1550
X0069CE	4001B
X0092CE	1545
X0093CE	1532
X0094CE	1496
X092	139A
X0102AA	5402
X0102BA	5404
X0102CA	5405
X0102DA	5405
X0102MA	5406
X0103BA	5404
X0103DA	5405
X0103MA	5406
X0106BA	5404
X0106DA	5405
X0106MA	5406
X0113	1413
X0137CE	1751
X0178CE	1416
X0212	1671
X0212CE	1671
X0213CE	1616
X0214CE	1576
X0223CE	1572
X0225C	1377
X0238CE	1676
X0243CE	1539
X0252CE	1413
X0253(Gottlieb)	116
X0254(Gottlieb)	116
X0255(Gottlieb)	136A
X0256(Gottlieb)	5072A

♦, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
X0257(Gottlieb)	142A
X0258(Gottlieb)	5077A
X0259(Gottlieb)	5085A
X0260(Gottlieb)	5812
X0260C	1658
X0261(Gottlieb)	519
X0262(Gottlieb)	143A
X0263(Gottlieb)	5801
X0275CE	1572
X0276CE	1570
X0301(Gottlieb)	130
X0302(Gottlieb)	192A
X0303(Gottlieb)	263
X0304(Gottlieb)	172A
X0305(Gottlieb)	287
X0306(Gottlieb)	272
X0307(Gottlieb)	291
X0308(Gottlieb)	243
X0309(Gottlieb)	159
X0310(Gottlieb)	285
X0311(Gottlieb)	247
X0313(Gottlieb)	159
X0314(Gottlieb)	287
X0315(Gottlieb)	247
X0320(Gottlieb)	123A
X0321(Gottlieb)	159
X0322(Gottlieb)	270
X0356(Gottlieb)	65101
X0360(Gottlieb)	6502
X0384(Gottlieb)	7407
X0393(Gottlieb)	941M
X0396(Gottlieb)	943
X0397(Gottlieb)	7414
X0401(Gottlieb)	4081B
X0402(Gottlieb)	7404
X0403(Gottlieb)	7405
X0403BE	5455
X0403BF	5455
X0403DE	5457
X0403DF	5457
X0404(Gottlieb)	7408
X0406(Gottlieb)	7417
X0407(Gottlieb)	7432
X0408(Gottlieb)	7448
X0409(Gottlieb)	74154
X0410(Gottlieb)	74175
X0411(Gottlieb)	74LS05
X0412(Gottlieb)	74H21
X0413(Gottlieb)	4049
X0414(Gottlieb)	4528B
X0415(Gottlieb)	2021
X0417(Gottlieb)	74121
X0419(Gottlieb)	74LS139
X0420(Gottlieb)	7400
X0421(Gottlieb)	7402
X0422(Gottlieb)	923D
X0423(Gottlieb)	7474
X0424(Gottlieb)	74C04
X0425(Gottlieb)	7490
X0426(Gottlieb)	7442
X0428(Gottlieb)	74LS02
X0432(Gottlieb)	74LS30
X0434(Gottlieb)	74LS74A
X0437(Gottlieb)	74LS138
X0451(Gottlieb)	5426
X0452(Gottlieb)	967
X0453(Gottlieb)	923
X0459(Gottlieb)	309K
X0473(Gottlieb)	966
X0507(Gottlieb)	435P18
X0508(Gottlieb)	423
X0514(Gottlieb)	416
X0631(Gottlieb)	955M
X0632(Gottlieb)	740A
X0641(Gottlieb)	291
X1C1644	102A
X5M6	116
X13T571	6402
X16	109
X16A545-7	123A
X16A1938	123A
X16E3860	123A
X16E3890	192
X16E3960	123A
X16N1485	123A
X18	109
X29A829	159
X32C5099	128
X32C5111	128
X37C	615A
X37C(IC)	615A
X37C(Sharp)	615A
X40D500	210
X42	160
X44H454	377
X44H462	377
X45C-H06	102A
X72A42416	177
X-78	102A
X78	100
X98	8098
X110	8115
X126	8125
X130	8125
X137	105
X145	8149
X165	8167
X194-3005829A	130
X300-1300A	128
X713	184
X735-40C	196
X735-41	123A
X1000	213
X1005	121
X1018	358
X-1018	358
X3324G(Trans)	2410
X6584-C	123A
X6661A	726
X19001-A	123A
X19001-B	128
X19001-C	128
X19001-D	199
X-19002	941D
X-19031-A	519
X-23305-3	5804
X-23305-4	5804
X253223	124
X330302	142A
X-439623	912
X908922-001	724
X925940-501B	177
X925940-5018	177
X1022220-1	177
X-2408473	9914
X-2408784	9951
X7338934	175
X7338935	191
X300071592	374
X300073360	290A
X300101500	290A
X300101502	290A
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X300117500	290A
X300117593	290A
X301077251	185
X301079400	254
X302056430	294
X302094530	85
X302116292	373
X302138400	293
X302181502	85
X302251600	54
X302278500	85
X302278530	85
X302278593	85
X302278594	85
X302329300	2332
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X303088080	152
X303098600	253
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X320010080	519
X320010190	580
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X320010380	552
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X320010480	177
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X330000570	5037A
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X340400060	5312
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X400040161	2128
X400082550	8255
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X420100170	7417
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X440070490	4049
X440073860	823
X440078051	977
X440079120	967
X440095550	955M
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X440150640	1680
X440150790	2090
X440160660	4066B
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X460409300	4093B
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XA122	102A
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XA161	160
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XA495AC	159
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XA-495C	129
XA495D	129
XA701	101
XA702	101
XA703	101
XA1018	128
XA-1071	123A
XA-1072	159
XA-1078	130
XA-1093	124
XA-1095	128
XA-1139	123A
XA-1140	159
XA-1160	152
XA-1161	130
XA-1164	234
XA1199	197
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XAA108	7476
XAA109	7490
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XB3B	102
XB3BN	102A
XB3C	102
XB3C-1	102A
XB4	103
XB4-1	102A
XB-5	121
XB5	104
XB7	104
XB-7	121
XB8	160
XB9	160
XB10	160
XB12	128
XB13	102A
XB14	121
XB102	102A
XB103	102A
XB104	102A
XB112	102A
XB113	102A
XB114	102A
XB152	145A
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XB404	152
XB408	152
XB413	320
XB476	152
XC-049	135A
XC70	5071A
XC101	102A
XC121	102A
XC131	102A
XC141	121
XC142	121
XC155	104
XC156	104
XC171	102A
XC209	3007
XC-209A	3009
XC209A	3009
XC209G	3010
XC-209G	3010
XC-209Y	3011
XC209Y	3011
XC-309-12	3008
XC371	107
XC372	123A
XC373	123A
XC374	123A
XC556	3025
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XC-556-2	3025
XC556-2	3025
XC723	130
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XC1312A	799
XC-1312A	799
XC1312P	799
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XC-5053	3020
XC5053A	3023
XC-5053A	3023
XC5053G	3024
XC-5053G	3024
XC-5053Y	3021
XC5053Y	3021
XD2A	110MP
XD-258i-42	5635
XD-2581-42	5635
XEJ040017	123A
XF-148217	102A
XG1	160
XG2	160
XG3	160
XG5	160
XG8	102A
XG10	160
XG11	160
XG12	160
XG24	160
XG28	103A
XG29	103A
XG30	123A
XG32	158
XG33	103A
XGS7002	282§
XGS-7002	282§
XHPF1299	1232
XI-548	130
XI-549	175
XJ13	102
XJ13-1	102A
XJ71	160
XJ72	160
XJ73	160
XL-56	3011
XL56	3011
XN12A	104
XN12B	104
XN12C	104
XN12E	104
XN12F	104
XN-400-318-P1	123A
XN-400-319-P2	159
XNC101	103
XP-258i-82	5635
XP-2581-82	5635
XPS30800	124
XQ-1N60	109
XQ-1S1555	177
XQ-1S2207	616
XQ-1S2339	610
XQ-1SS16	112
XQ-2N5062	5402
XQ-2N6558	171
XQ-2SB568	398
XQ-2SC383	85
XQ-2SC605	313
XQ-2SC606	313
XQ-2SC684	107
XQ-2SC1106	94
XQ-2SC1514	376
XQ-2SD478	375
XQ-601-36	283
XQ-ERB24-04D	552
XQ-ERB26-20	525
XQ-ERC26-13	506
XQ-LM1274	107
XQ-LM2152	123AP
XQ-LM2682	128
XQ-MC1352	749
XQ-MJE9742	157
XQ-MPS9433	123AP
XQ-MPS9682	159
XQ-RD6.2E	5013A
XQ-RD11FB	5074A
XQ-RD12EC	142A
XQ-RD12FB	142A
XQ-UPD1986C	1758
XQ-W06	116
XQ-WO6	116
XR-082CP	858M
XR-555	955M
XR-555CP	955M
XR-556	978
XR-556CP	978
XR556V	978
XR-558CP	926
XR-567ACP	832
XR-567CN	832
XR-567CP	832
XR742	979§
XR1310N	801
XR-1458CP	778A
XR1488	75188
XR1488N	75188
XR1488P	75188
XR1489	75189
XR1489N	75189
XR1489P	75189
XR2001CP	2011
XR2002CP	2012
XR2003CP	2013
XR2201CP	2011
XR2202CP	2012
XR2203CP	2013
XR2204CP	2014
XR3403CN	987♦
XR3403CP	987♦
XR-3470A	3470
XR-3470ACN	3470
XR-3470ACP	3470
XR3524	1720
XR-4136CP	997
XR-4195	1941
XR-4195CP	1941
XR4558	778A
XR-4558CP	778A
XR6118CP	2021
XR8038	864
XR-8038CN	864
XR-8038CP	864
XR-8038P	864
XR-13600	870
XR-13600CP	870
XR-L555	955MC
XR-L555CN	955MC
XR-L555CP	955MC
XR-L556	978C
XR-L556CN	978C
XR-L556CP	978C
XS1	108
XS2	108
XS3	108
XS4	108
XS6	108
XS9.1B	139A
XS10	116
XS-10	116
XS14	108
XS15	108
XS16	116
XS16A	116
XS17	116
XS17A	116
XS18	116
XS19	159
XS21	123A
XS22	123A
XS22(Rect.)	116
XS23	116
XS23A	116
XS26	103A
XS30	128
XS31	116
XS-31	116
XS36	161
XS37	161
XS38	161
XS39	161
XS40	107
XS40A	116
XS101	158
XS104	158
XS121	158
XT1A	191
XT1B	191
XT15X3	108
XT100	158
XT200	158
XT300	126A
XT400	126A
XT515	190
XT516	190
XT517	190
XT518	190
XT519	190
XT520	190
XT-548A	130
XT-549A	175
XU604	116
XV604	125
XZ-049	135A
XZ-051	135A
XZ051	135A
XZ-051(ZENER)	135A
XZ-051(TRANSISTOR)	159
XZ-053	135A
XZ055	136A
XZ-057	136A
XZ057	136A
XZ058	5070A
XZ-060	5012A
XZ062	137A
XZ-062	137A
XZ064	5072A
XZ070	5071A
XZ-070	5071A
XZ-071	138A
XZ-072	138A
XZ076	138A
XZ-076	138A
XZ-080	5072A
XZ-082	5072A
XZ-084	5016A
XZ084	5072A
XZ086	139A
XZ-086	139A
XZ-087	5073A
XZ-088	5017A
XZ090	139A
XZ-090	5018A
XZ092	139A
XZ-092	139A
XZ-094	139A
XZ094	139A
XZ-096	140A
XZ098	140A
XZ100	140A
XZ-100	140A
XZ102	140A
XZ-102	140A
XZ-122	142A
XZ132	5022A
XZ-150	145A
XZ-152	145A
XZ152	145A
Y065	5014A
Y14	116(4)
Y100	114
Y363	102A
Y410	121
Y633	158
Y49001-21	123A
Y56001-21	519
Y56001-86	123A
Y56601-08	123A
Y56601-44	234
Y56601-45	123A
Y56601-46	129
Y56601-47	128
Y56601-48	234
Y56601-49	123A
Y56601-50	159
Y56601-51	123A
Y56601-63	159
Y56601-73	123A
Y56601-74	159
Y56601-75	123A
Y56601-76	129
Y56601-79	159
Y56601-80	123A
Y56601-82	159
Y56601-84	159
Y56601-86-AD	123A
Y56601-86AH(Yellow)	123A
Y56601-86-AH(Orange)	123A
Y56601-86-AH(Green)	123A
Y56601-93	123A
Y13310137(EBC)	229
Y13310138	108
Y13310139	159
Y13310146	506
Y13310149	5015A
Y13310157	712
Y13310158	615A
Y13310159	1115A*
Y130201002	2117
Y130213002	1245
Y130213003	85
Y130213004	157
Y130213005	289A
Y130213006	283
Y130213007	290A
Y130213041	519
Y130213042	580
Y130213043	116
Y130213044	525
Y130213045	552
Y133101310	123AP
Y133101317	187A
Y133101318	379
Y133101319(EBC)	193A
Y133101321	108
Y133101322	123AP
Y133101323	123AP
Y133101326(EBC)	192
Y133101327	287
Y133101328	123AP
Y133101332(EBC)	294
Y133101333(EBC)	293
Y133101363	123AP
Y133101411	109
Y133101412	109
Y133101414	5010A
Y133101440	116
Y420100070	7407
Y422306000	34
Y422306000(3)	34
YAAAM003	1006
YAAD001	109
YAAD001(Zener)	5072A
YAAD004	116
YAAD007	116
YAAD009	109
YAAD010	177
YAAD017	5073A
YAAD018	177
YAAD019	116
YAAD020	116
YAAD021	5072A
YAAD022	116
YAAM003	1006
YAAN2SC1096	186
YAAN2SC1096K	186
YAAN2SC1096L	186
YAAN2SC1096M	186
YAAN2SC1096N	186
YAAN2SD141	175
YAANL2SC1096	186
YAANL2SC1096K	186A
YAANL2SC1096KLMN	186A
YAANL2SC1096L	186A
YAANL2SC1096M	186A
YAANZ	186
YAANZ2S1096	186
YAANZ2SC1096	186
YAANZ2SC1096-BLUE	186
YAANZ2SC1096-GREEN	186
YAANZ2SC1096K	186
YAANZ2SC1096L	186
YAANZ2SC1096M	186
YAANZ2SC1096-RED	186
YAANZSC1096	184
YBAD009	116
YBG1000	3116
YC02P11/2	156
YD1121	177
YEAD010	5072A
YEAD014	5072A
YEAD015	139A
YEAD024	5072A
YEAD025	139A
YEAD029	614
YEAD030	116
YEAD032	110MP
YEAD1N60P	109
YEAD1SV53	614
YEAD1SY53	614
YEADAW01-06	137A
YEADUPC577H	1082
YEAM004	1098
YEAM53274P	7474
YEAMAP1377A	1398
YEAMHA1366W	1260
YEAMHD7474P	7474
YEAMJM78L05	977
YEAMLM2900N	992
YEAMM5152L	1170
YEAMNE646B	2004
YEAMNJM78L05	977
YEAMNJM78L08	981
YEAMNJM58105	977
YEAMNM78L05	977
YEAMUPC5	1082
YEAMUPC577H	1082
YEAMUPC1216V	1518
YEAN2SC941	123A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
YEAN3SK39	222
YEAN3SK39-Q	222
YEAN3SK39-Q	221
YEAN3SK39Q	222
YEAN3SK83	455
YEAUPC577H	1082
YGS-V47-7-51	113A
YL56	3002
YL-56	3002
YL212	3011
YL-212	3011
YL4484	3011
YL-4484	3011
YL-4550	3021
YL4550	3021
YL-4850	3021
YL4850	3021
YOD4	117A
YR-011	116
YR011	116
YSG-V47-1-3	116
YSG-V47-7-51-1	116
YSG-V47-7-51-2	116
YSG-V81-2-3	178MP
YSG-V139-2-2	109
YSG-V139-22	109
YTS2221	2406
YTS2221A	2406
YTS2222	2406
YTS2222A	2406
YTS2906	2407
YTS2906A	2407
YTS2907	2407
YTS2907A	2407
YTS3903	2406
YTS3904	2406
YTS3905	2407
YTS3906	2407
YTS4123	2406
YTS4124	2406
YTS4125	2407
YTS4126	2407
YTS4400	2406
YTS4401	2406
YTS4402	2407
YTS4403	2407
YV1	102A
YV1A	102A
YV2	102A
YZ-037	134A
YZ037	5067A
YZ037-10	134A
YZ-047	5069A
YZ047	5009A
YZ047A	135A
YZ058	136A
YZ060	5071A
YZ-063	5013A
YZ063	5013A
YZ065F	5014A
YZ-074	5015A
YZ-074A	5015A
YZ-080	5072A
YZ080	5072A
YZ-284	5083A
YZ284	5084A
Z0040	568
Z0040-UBA	568
Z0050	568
Z0050-UAA	568
Z0063	568
Z0063-UAA	568
Z0063-UAB	568
Z0064	568
Z0064-UAA	568
Z0065	568
Z0069	568
Z0069-UAA	568
Z0069-UAB	568
Z01-13	143A
Z0-12	142A
Z0-12A	142A
Z0-12B	142A
Z0-27	146A
Z0-27A	146A
Z0-27B	146A
Z0206(HEP)	5005A
Z0206A(HEP)	5005A
Z0208(HEP)	5007A
Z0208A(HEP)	5007A
Z0210(HEP)	5009A
Z0211	135A
Z0211A(HEP)	5010A
Z0212	136A
Z0212A(HEP)	5011A
Z0214	137A
Z0214A(HEP)	5013A
Z0215(HEP)	5014A
Z0215A(HEP)	5014A
Z0216	138A
Z0216A(HEP)	5015A
Z0217	5072A
Z0217A(HEP)	5016A
Z0219	139A
Z0219A(HEP)	5018A
Z0220	140A
Z0220A(HEP)	5019A
Z0222	142A
Z0225	145A
Z0228	5077A
Z0230(HEP)	5029A
Z0231(HEP)	5030A
Z0234	146A
Z0254	5098A
Z0255	5099A
Z0401(HEP)	5066A
Z0402	134A
Z0402BF	5629
Z0402DF	5629
Z0403(HEP)	5067A
Z0405(HEP)	5069A
Z0405BF	5629
Z0405DF	5629
Z0406	135A
Z0407	136A
Z0408	137A
Z0409(HEP)	5071A
Z0409BE	5629
Z0409DE	5629
Z0410	138A
Z0410BE	5629
Z0410DE	5629
Z0411	5072A
Z0412	139A
Z0413	140A
Z0414	5074A
Z0415	142A
Z0416	143A
Z0417	144A
Z0418	145A
Z0419	5075A
Z0420	5077A
Z0421(HEP)	5079A
Z0422(HEP)	5080A
Z0423	5081A
Z0424	146A
Z0426	147A
Z0427	5085A
Z0428(HEP)	5086A
Z0430(HEP)	5088A
Z0432	148A
Z0433	149A
Z0436	150A
Z0438(HEP)	5096A
Z0439	151A
Z0440(HEP)	5097A
Z0442(HEP)	5100A
Z0444(HEP)	5103A
Z0445(HEP)	5105A
Z02010A(HEP)	5009A
Z0A5.1	5010T1
Z0A5.6	5011T1
Z0A6.2	5013T1
Z0A10	5019T1
Z0A12	5021T1
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Z0B3.0	5004A
Z0B3.3	5005A
Z0B3.6	5006A
Z0B3.9	5007A
Z0B4.3	5008A
Z0B4.7	5069A
Z0B5.1	5010A
Z0B5.6	5011A
Z0B6.2	5013A
Z0B6.8	5014A
Z0B7.5	5015A
Z0B8.2	5016A
Z0B9.1	5018A
Z0B10	140A
Z0B11	5020A
Z0B-12	142A
Z0B12	5021A
Z0B13	5022A
Z0B15	5024A
Z0B-15	145A
Z0B16	5025A
Z0B18	5027A
Z0B20	5029A
Z0B22	5030A
Z0B24	5031A
Z0B27	146A
Z0B27A	146A
Z0B30	5035A
Z0B33	5036A
Z0C3.3	134A
Z0C3.9	134A
Z0C4.7	135A
Z0C5.1	135A
Z0C5.6	136A
Z0C6.2	137A
Z0C6.8	5014A
Z0C8.2	5016A
Z0C9.1	139A
Z0C10	140A
Z0C12	142A
Z0C-15	145A
Z0C15	145A
Z0C18	5027A
Z0C20	5029A
Z0C22	5030A
Z0C27	146A
Z0C27A	146A
Z0D3.3	134A
Z0D3.9	134A
Z0D4.7	135A
Z0D5.1	135A
Z0D5.6	136A
Z0D6.2	137A
Z0D8.2	5016A
Z0D9.1	139A
Z0D10	140A
Z0D12	142A
Z0D15	145A
Z0D-15	145A
Z0D20	5029A
Z0D22	5030A
Z0D27	5033A
Z0D27B	146A
Z1A3.3	134A
Z1A3.9	134A
Z1A4.7	5009A
Z1A8.2	5072A
Z1A8.2A	5072A
Z1A8.2B	5072A
Z1A103-018	125
Z1B2.7	5002A
Z1B3.0	5065A
Z1B3.3	5066A
Z1B3.6	134A
Z1B3.9	5067A
Z1B4.3	5068A
Z1B4.7	5069A
Z1B5.1	135A
Z1B5.6	136A
Z1B6.2	137A
Z1B6.8	5071A
Z1B7.5	138A
Z1B8.2	5072A
Z1B9.1	139A
Z1B10	140A
Z1B11	5074A
Z1B12	142A
Z1B13	143A
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Z1B20	5079A
Z1B22	5080A
Z1B24	5081A
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Z1B27A	146A
Z1B30	5084A
Z1B33	147A
Z1C3.3	134A
Z1C3.9	134A
Z1C4.7	135A
Z1C5.1	135A
Z1C5.6	135A
Z1C6.2	137A
Z1C8.2	5016A
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Z1C12	142A
Z1C-15	145A
Z1C15	145A
Z1C18	5027A
Z1C20	5029A
Z1C22	5030A
Z1C27	146A
Z1C27B	146A
Z1D3.3	134A
Z1D3.9	5007A
Z1D4.7	135A
Z1D5.1	135A
Z1D5.6	136A
Z1D6.2	137A
Z1D7.5	138A
Z1D8.2	5016A
Z1D10	140A
Z1D12	142A
Z1D-15	145A
Z1D15	145A
Z1D18	5027A
Z1D20	5029A
Z1D22	5030A
Z1D27	5033A
Z1D27A	146A
Z2A33F	5066A
Z2A36F	134A
Z2A51F	135A
Z2A56CF	136A
Z2A56F	136A
Z2A62F	137A
Z2A82F	5072A
Z2A91F	139A
Z2A120F	142A
Z2A150F	145A
Z2A-150F	145A
Z2B3.3	5111A
Z2B3.6	5112A
Z2B3.9	5113A
Z2B4.3	5114A
Z2B4.7	5115A
Z2B5.1	5116A
Z2B5.6	5117A
Z2B6.2	5119A
Z2B6.8	5120A
Z2B7.5	5121A
Z2B8.2	5122A
Z2B9.1	5124A
Z2B10	5125A
Z2B11	5126A
Z2B12	5127A
Z2B13	5128A
Z2B15	5130A
Z2B16	5131A
Z2B18	5133A
Z2B20	5135A
Z2B22	5136A
Z2B24	5137A
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Z2B30	5141A
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Z2B47	5146A
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Z2B56	5148A
Z2B62	5150A
Z2B68	5151A
Z2B75	5152A
Z2B82	5153A
Z2B91	5155A
Z2B100	5156A
Z2B110	5157A
Z2B120	5158A
Z2B130	5159A
Z2B150	5161A
Z2B160	5162A
Z2B180	5164A
Z2B200	5166A
Z2C3.9	5113A
Z2C4.7	5115A
Z2C5.6	5117A
Z2C6.2	5119A
Z2C7.5	5121A
Z2C9.1	5124A
Z2C10	5125A
Z2C12	5127A
Z2C15	5130A
Z2C18	5133A
Z2C22	5136A
Z2C33	5142A
Z2D3.9	5113A
Z2D5.6	5117A
Z2D6.2	5119A
Z2D7.5	5121A
Z2D9.1	5124A
Z2D10	5125A
Z2D12	5127A
Z2D15	5130A
Z2D18	5133A
Z2D22	5136A
Z2D27	5139A
Z2D33	5142A
Z3B3.3	5172AK
Z3B3.3R	5172A
Z3B3.6	5173AK
Z3B3.6R	5173A
Z3B3.9	5174AK
Z3B3.9R	5174A
Z3B4.3	5175AK
Z3B4.3R	5175A
Z3B4.7	5176AK
Z3B4.7R	5176A
Z3B5.1	5177AK
Z3B5.1R	5177A
Z3B5.6	5177AK
Z3B5.6R	5178A
Z3B6.2	5180AK
Z3B6.2R	5180A
Z3B6.8	5181AK
Z3B6.8R	5181A
Z3B7.5	5182AK
Z3B7.5R	5182A
Z3B8.2	5183AK
Z3B8.2R	5183A
Z3B9.1	5185AK
Z3B9.1R	5185A
Z3B10	5186AK
Z3B10R	5186A
Z3B11	5187AK
Z3B11R	5187A
Z3B12	5188AK
Z3B12R	5188A
Z3B13	5189AK
Z3B13R	5189A
Z3B15	5191AK
Z3B15R	5191A
Z3B16	5192AK
Z3B16R	5192A
Z3B18	5194AK
Z3B18R	5194A
Z3B20	5196AK
Z3B20R	5196A
Z3B22	5197AK
Z3B22R	5197A
Z3B24	5198AK
Z3B24R	5198A
Z3B27	5200AK
Z3B27R	5200A
Z3B30	5202AK
Z3B30R	5202A
Z3B33	5203AK
Z3B33R	5203A
Z3B36	5204AK
Z3B36R	5204A
Z3B39	5205AK
Z3B39CE	5113A
Z3B39R	5205A
Z3B43	5206AK
Z3B43R	5206A
Z3B47	5208AK
Z3B47CF	5115A
Z3B47R	5208A
Z3B51	5210AK
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Z3B56	5212AK
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Z3B56R	5212A
Z3B62	5214AK
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Z3B62R	5214A
Z3B68	5215AK
Z3B68R	5215A
Z3B75	5216AK
Z3B75CF	5121A
Z3B75R	5216A
Z3B82	5217AK
Z3B82R	5217A
Z3B91	5219AK
Z3B91CF	5124A
Z3B91R	5219A
Z3B100	5220AK
Z3B100CF	5125A
Z3B100R	5220A
Z3B110	5222AK
Z3B110R	5222A
Z3B120	5223AK
Z3B120CF	5127A
Z3B120R	5223A
Z3B130	5224AK
Z3B130R	5224A
Z3B150	5226AK
Z3B150CF	5130A
Z3B150R	5226A
Z3B160	5227AK
Z3B160R	5227A
Z3B180	5230AK
Z3B180CF	5133A
Z3B180R	5230A
Z3B200	5232AK
Z3B200R	5232A
Z3B220CF	5136A
Z3B240CF	5137A
Z3B270CF	5139A
Z3B330CF	5142A
Z3B560CF	5148A
Z3B820CF	5153A
Z3B1000CF	5156A
Z3.3	5066A
Z3.6	134A
Z3.9	134A
Z3.9(Zener)	5067A
Z4A8.2	5072A
Z4B(Zener)	5007A
Z4B3.0	5065A
Z4B3.3	5066A
Z4B3.6	134A
Z4B3.9	5067A
Z4B4.3	5068A
Z4B4.7	5069A
Z4B5.1	5116A
Z4B5.6	136A
Z4B6.2	137A
Z4B6.8	5071A
Z4B7.5	138A
Z4B8.2	5072A
Z4B9.1	139A
Z4B10	140A
Z4B12	142A
Z4B13	143A
Z4B15	145A
Z4B-15	145A
Z4B16	5075A
Z4B18	5077A
Z4B20	5079A
Z4B22	5080A
Z4B24	5081A
Z4B27	146A
Z4B27-9	146A
Z4B30	5084A
Z4B33	147A
Z4B36	5085A
Z4B39	5086A
Z4B43	5087A
Z4B47	5088A
Z4B51	5089A
Z4B56	5090A
Z4B62	149A
Z4B68	5092A
Z4B75	5093A
Z4B82	150A
Z4B91	5095A
Z4B100	5096A
Z4B110	151A
Z4B120	5097A
Z4B130	5098A
Z4B150	5100A
Z4B160	5101A
Z4B180	5103A
Z4B200	5105A
Z4C3.6	134A
Z4C5.6	136A
Z4D3.6	134A
Z4D5.6	136A
Z4MW333	123A
Z4X5.1A	135A
Z4X5.1B	135A
Z4X5.6	136A
Z4X9.1	139A
Z4X11	141A
Z4X12	142A
Z4X13	143A
Z4X14	144A
Z4X14B	144A
Z4X15	145A
Z4X-15	145A
Z4XL6.2	137A
Z4XL6.2B	137A
Z4XL7.5	138A
Z4XL7.5B	138A
Z4XL9.1	139A
Z4XL9.1B	139A
Z4XL12	142A
Z4XL12B	142A
Z4XL14	144A
Z4XL14B	144A
Z4XL16	5075A
Z4XL16B	5075A
Z4XL18	5077A
Z4XL18B	5077A
Z4XL20	5079A
Z4XL20B	5079A
Z4XL22	5080A
Z4XL22B	5080A
Z4XL75	138A
Z4.3	5068A
Z4.7	5069A
Z5A3.3	5005A
Z5A3.9	134A
Z5A5.1	5010T1
Z5A5.6	5011T1
Z5A6.2	5013T1
Z5A10	5019T1
Z5A12	5021T1
Z5A20	5079A
Z5B2	142A
Z5B3.0	5004A
Z5B3.3	5005A
Z5B3.6	5006A
Z5B3.9	5007A
Z5B4.3	5008A
Z5B4.7	5009A
Z5B5.1	5010A
Z5B5.6	5011A
Z5B6.2	5013A
Z5B6.8	5014A
Z5B7.5	5015A
Z5B8.2	5016A
Z5B9.1	5018A
Z5B10	5019A
Z5B11	5020A
Z5B12	5021A
Z5B13	5022A
Z5B15	5024A
Z5B-15	145A
Z5B16	5025A
Z5B18	5027A
Z5B20	5029A
Z5B22	5030A
Z5B24	5031A
Z5B27	5033A
Z5B30	5035A
Z5B33	5036A
Z5C3.3	134A
Z5C3.9	134A
Z5C4.7	135A
Z5C5.1	135A
Z5C5.6	136A
Z5C6.2	137A
Z5C6.8	5014A
Z5C8.2	5016A
Z5C9.1	139A
Z5C10	140A
Z5C12	142A
Z5C-15	145A
Z5C15	145A
Z5C18	5027A
Z5C20	5029A
Z5C22	5030A
Z5D3.3	134A
Z5D3.9	134A
Z5D4.7	135A
Z5D5.1	135A
Z5D5.6	136A
Z5D6.2	137A
Z5D6.8	5014A
Z5D8.2	5016A
Z5D9.1	139A
Z5D10	140A
Z5D12	142A
Z5D15	145A
Z5D-15	145A
Z5D18	5027A
Z5D20	5029A
Z5D22	5030A
Z5D91CF	5185A
Z5D100CF	5186A
Z5D110CF	5187A
Z5D120CF	5188A
Z5D130CF	5189A
Z5D150CF	5191A
Z5D160CF	5192A
Z5D180CF	5194A
Z5D200CF	5196A
Z5D220CF	5197A
Z5D240CF	5198A
Z5D270CF	5200A
Z5D300CF	5202A
Z5D330CF	5203A
Z5D360CF	5204A
Z5D390CF	5205A
Z5D430CF	5206A
Z5D470CF	5208A
Z5D510CF	5210A
Z5D560CF	5212A
Z5D620CF	5214A
Z5D680CF	5215A
Z5D750CF	5216A
Z5D820CF	5217A
Z5D910CF	5219A
Z5D1000CF	5220A
Z5.1(Zener)	5010A
Z5.6	136A
Z5.6(Zener)	5011A
Z6	5070A
Z6A2(Zener)	5011A
Z6.2	137A
Z6.2L	137A
Z6.8	5071A
Z7A1(Zener)	5014A
Z7.5	138A
Z8.2	5072A
Z8.2A	5072A
Z8.2B	5072A
Z8.2C	5072A
Z8.2D	5072A
Z10	140A
Z10A(Zener)	5019A
Z10B(Zener)	5019A
Z10K	140A
Z11	5074A
Z12	142A
Z12(Zener)	5021A
Z12A	142A
Z12B(Zener)	5021A
Z12K	142A
Z12.0	5021A
Z13	143A
Z14B(Zener)	144A
Z15	145A
Z-15	145A
Z-15K	145A
Z15K	145A
Z18	5077A
Z20	104
Z22	5080A
Z24A(Zener)	5031A
Z27	146A
Z27-A	146A
Z30(Zener)	5035A
Z30B(Zener)	5035A
Z33	147A
Z33.3B	5066A
Z39	5086A
Z80A-CPUB1	3880
Z80A-CPU-CS	3880
Z80A-CPUD1	3880
Z80A-CPU-PS	3880
Z80A-CTCB1	3882
Z80A-CTC-CS	3882
Z80A-CTCD1	3882
Z80A-CTC-PS	3882
Z80A-PIOB1	3881
Z80A-PIO-CS	3881
Z80A-PIOD1	3881
Z80A-PIO-PS	3881
Z80-CPUB1	3880
Z80-CPU-CS	3880
Z80-CPUD1	3880
Z80-CPU-PS	3880
Z80-CTCB1	3882
Z80-CTC-CS	3882
Z80-CTCD1	3882
Z80-CTC-PS	3882
Z80-PIOB1	3881
Z80-PIO-CS	3881
Z80-PIOD1	3881
Z80-PIO-PS	3881
Z82B	150A
Z92	194
Z101	5072A
Z111Z	142A
Z-175-011	177
Z430	5141A
Z537	147A
Z631	149A
Z694	139A
Z714	139A
Z801	137A
Z-963B	142A
Z1000	5005A
Z1002	5007A
Z-1004	5069A
Z1004	5009A
Z-1006	136A
Z1008	5014A
Z-1010	138A
Z1010	5016A
Z1012	5019A
Z-1012	5019A
Z1013A	4919
Z-1014	142A
Z1014	5021A
Z-1016	145A
Z1016	5024A
Z-1016A	145A
Z1018	5027A
Z1018(Surge Diode)	4927
Z1020	5030A
Z1020A	4929
Z1022	5033A
Z-1022	146A
Z-1022-3	146A
Z-1024	147A
Z1024	5036A
Z1027A	4935
Z1051A	4951
Z-1068	4958
Z1068A	4959
Z1100	5067A
Z1100-C	5067A
Z-1102	5069A
Z1102	5069A
Z1102-C	5069A
Z1103	135A
Z1104	136A
Z-1104	136A
Z1104-C	136A
Z1106	5071A
Z1106-C	5071A
Z1107	138A
Z1108	5072A
Z1108-C	5072A
Z1109	139A
Z1110	140A
Z1110-C	140A
Z1112	142A
Z1112-C	142A
Z1112-C	142A
Z1114	145A
Z-1114	145A
Z1114-C	145A
Z1116	5077A
Z1116-C	5077A
Z1118	5080A
Z1118-C	5080A
Z-1120	146A
Z1120	146A
Z1120-C	146A
Z1122	147A
Z-1122	147A
Z-1128	5090A

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To Be Replaced	ECG Replacement
Z1128	5090A
Z1130	149A
Z1132	150A
Z-1132	150A
Z1134	151A
Z1140	136A
Z-1140	136A
Z-1145	136A
Z1145	136A
Z1150	136A
Z-1150	136A
Z1155	136A
Z-1155	136A
Z-1160	136A
Z1160	136A
Z1165	136A
Z-1165	136A
Z-1170	136A
Z1170	136A
Z1202	5069A
Z1212	142A
Z1214	145A
Z1216	5077A
Z1220	146A
Z1222	147A
Z1226	148A
Z-1240	136A
Z-1245	136A
Z-1250	136A
Z1250	136A
Z-1255	136A
Z1255	136A
Z1260	136A
Z-1260	136A
Z1265	136A
Z-1265	136A
Z-1270	136A
Z1270	136A
Z1302	5176AK
Z1304	5178AK
Z1310	5186A
Z1312	5188A
Z1314	5191A
Z1316	5194A
Z1318	5197A
Z1320	5200A
Z1322	5203A
Z1324	5205A
Z1326	5208A
Z1328	5212A
Z1330	5215A
Z1332	5217A
Z1334	5220A
Z1336	5223A
Z1338	5226A
Z1340	5230A
Z-1540	136A
Z1540	136A
Z-1545	136A
Z1545	136A
Z-1550	136A
Z1555	136A
Z-1555	136A
Z1560	136A
Z-1560	136A
Z-1565	136A
Z1565	136A
Z-1570	136A
Z1570	136A
Z2500(HEP)	5111A
Z2502(HEP)	5113A
Z2504(HEP)	5115A
Z2506(HEP)	5117A
Z2508(HEP)	5119A
Z2510(HEP)	5121A
Z2513(HEP)	5124A
Z2514(HEP)	5125A
Z2516(HEP)	5127A
Z2519(HEP)	5130A
Z2522(HEP)	5133A
Z2525	5136A
Z2526(HEP)	5137A
Z2528(HEP)	5139A
Z2530	5141A
Z2531(HEP)	5142A
Z2537(HEP)	5148A
Z2542(HEP)	5153A
Z2545(HEP)	5156A
Z2547(HEP)	5158A
Z2548	5159A
Z3305	5247A
Z3307	5249A
Z3309	5252A
Z3311	5254A
Z3314	5257A
Z3317	5260A
Z3320	5263A
Z3323	5266A
Z3325	5269A
Z3327	5271A
Z3334	5278A
Z3340	5285A
Z3500(HEP)	5174AK
Z3502(HEP)	5176AK
Z3504(HEP)	5178AK
Z3505(HEP)	5180AK
Z3507(HEP)	5182AK
Z3511(HEP)	5185A
Z3512(HEP)	5186A
Z3514(HEP)	5188A
Z3516(HEP)	5191A
Z3518(HEP)	5194A
Z3520(HEP)	5197A
Z3522(HEP)	5200A
Z3524(HEP)	5203A

To Be Replaced	ECG Replacement
Z3530(HEP)	5212A
Z3534(HEP)	5217A
Z3536(HEP)	5220A
Z4728A	5066A
Z4729A	134A
Z4730A	5067A
Z4731A	5068A
Z4732A	5069A
Z4733A	5116A
Z4734A	136A
Z4735A	137A
Z4736A	5071A
Z4737A	138A
Z4738A	5072A
Z4739A	139A
Z4740A	140A
Z4741A	5074A
Z4742A	142A
Z4743A	143A
Z4744A	145A
Z4745A	5075A
Z4746A	5077A
Z4747A	5079A
Z4748A	5080A
Z4749A	5081A
Z4750A	146A
Z4751A	5084A
Z4752A	147A
Z4753A	5085A
Z4754A	5086A
Z4755A	5087A
Z4756A	5088A
Z4757A	5089A
Z4758A	5090A
Z4759A	149A
Z4760A	5092A
Z4761A	5093A
Z4762A	150A
Z4763A	5095A
Z4764A	5096A
Z-5140	136A
Z5140	136A
Z-5145	136A
Z5145	136A
Z-5150	136A
Z5150	136A
Z5155	136A
Z-5155	136A
Z5160	136A
Z-5160	136A
Z-5165	136A
Z5165	136A
Z5170	136A
Z-5170	136A
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Z5245	136A
Z-5245	136A
Z-5250	136A
Z5250	136A
Z5255	136A
Z-5255	136A
Z5260	136A
Z-5260	136A
Z5265	136A
Z-5265	136A
Z-5270	136A
Z5270	136A
Z5540	136A
Z-5540	136A
Z-5545	136A
Z5545	136A
Z5550	136A
Z-5550	136A
Z5555	136A
Z-5555	136A
Z5560	136A
Z-5560	136A
Z5565	136A
Z-5565	136A
Z5570	136A
Z-5570	136A
Z6013A	4919
Z6018	4927
Z6020A	4929
Z6027A	4935
Z6051A	4951
Z6068A	4959
Z10003	923D
Z-28058-1	123A
Z330611	116
ZA6.8B	5071A
ZA7.5B	138A
ZA8.2	5072A
ZA8.2A	5072A
ZA8.2B	5072A
ZA9.1	139A
ZA9.1A	139A
ZA9.1B	139A
ZA10B	140A
ZA11	141A
ZA11A	141A
ZA11B	5074A
ZA12	142A
ZA12A	142A
ZA12B	142A
ZA13	143A
ZA13A	143A
ZA13B	143A
ZA15	145A
ZA15A	145A
ZA15B	145A
ZA15V	145A
ZA16B	5075A
ZA18B	5077A

To Be Replaced	ECG Replacement
ZA20B	5079A
ZA22B	5080A
ZA24B	5081A
ZA27	146A
ZA27A	146A
ZA27B	146A
ZA30B	5084A
ZA33	147A
ZA33A	147A
ZA33B	147A
ZA36B	5085A
ZA39B	5086A
ZA43B	5087A
ZA47B	5088A
ZA51B	5089A
ZA56	148A
ZA56A	148A
ZA56B	5090A
ZA62	149A
ZA62A	149A
ZA62B	149A
ZA68B	5092A
ZA75B	5093A
ZA82	150A
ZA82A	150A
ZA82B	150A
ZA91B	5095A
ZA100B	5096A
ZA110	151A
ZA110A	151A
ZA110B	151A
ZA120B	5097A
ZA130B	5098A
ZA150	166
ZA150B	5100A
ZA160B	5101A
ZA180B	5103A
ZA200B	5105A
ZA29312	519
ZA100962E	108
ZA105604	102A
ZAC6.8B	5120A
ZAC7.5	5121A
ZAC7.5A	5121A
ZAC7.5B	5121A
ZAC9.1	5124A
ZAC9.1A	5124A
ZAC9.1B	5124A
ZAC10	5125A
ZAC10A	5125A
ZAC10B	5125A
ZAC11B	5126A
ZAC12	5127A
ZAC12A	5127A
ZAC12B	5127A
ZAC13B	5128A
ZAC15	5130A
ZAC15A	5130A
ZAC15B	5130A
ZAC16B	5131A
ZAC18	5133A
ZAC18A	5133A
ZAC18B	5133A
ZAC20B	5135A
ZAC22	5136A
ZAC22A	5136A
ZAC22B	5136A
ZAC24B	5137A
ZAC27	5139A
ZAC27A	5139A
ZAC27B	5139A
ZAC30B	5141A
ZAC33	5142A
ZAC33A	5142A
ZAC33B	5142A
ZAC36B	5143A
ZAC39B	5144A
ZAC43B	5145A
ZAC47B	5146A
ZAC51B	5147A
ZAC56	5148A
ZAC56A	5148A
ZAC56B	5148A
ZAC62B	5150A
ZAC68B	5151A
ZAC75B	5152A
ZAC82	5153A
ZAC82A	5153A
ZAC82B	5153A
ZAC82.B	5122A
ZAC91B	5155A
ZAC100	5156A
ZAC100A	5156A
ZAC100B	5156A
ZAC110B	5157A
ZAC120	5158A
ZAC120A	5158A
ZAC120B	5158A
ZAC130B	5159A
ZAC150B	5161A
ZAC160B	5162A
ZAC180B	5164A
ZAC200B	5166A
ZAG-9673	159
ZAR110	5809
ZAR210	5890
ZAR610	5809
ZAR710	5809
ZAX9.1	118
ZB1	5079A
ZB-1	141A
ZB1-1	5074A
ZB1-6	5070A
ZB1-8	5072A
ZB1-9	139A

To Be Replaced	ECG Replacement
ZB1-9V	139A
ZB-1-9.5	139A
ZB-1-9.5V	139A
ZB1-10	142A
ZB1-11	141A
ZB1-12	142A
ZB1-13	143A
ZB1-14	144A
ZB1-15	145A
ZB-1-15A	118
ZB1-16	5075A
ZB1-16V	5075A
ZB1-18	5077A
ZB1-19	5078A
ZB1-23	5081A
ZB1-27	146A
ZB1-35	147A
ZB-1-35	147A
ZB1-50	5089A
ZB1-100	5096A
ZB1-110	151A
ZB1-125	5098A
ZB1-130	5098A
ZB-1.12	142A
ZB1.8	138A
ZB3.3	134A
ZB3.3B	5066A
ZB3.6B	134A
ZB3.9B	5067A
ZB4.3B	5068A
ZB4.7	135A
ZB4.7B	5069A
ZB5.1	135A
ZB5.1B	5116A
ZB5.6	136A
ZB5.6A	136A
ZB5.6B	136A
ZB6.2	137A
ZB6.2A	137A
ZB6.2B	137A
ZB6.8	5014A
ZB6.8B	5071A
ZB7.5	138A
ZB7.5A	138A
ZB8.2	5016A
ZB8.2B	5072A
ZB9.1	139A
ZB9.1A	139A
ZB9.1B	139A
ZB10	140A
ZB10A	140A
ZB10B	140A
ZB10X	140A
ZB11	5074A
ZB-11	5074A
ZB11A	5074A
ZB11B	5074A
ZB12	142A
ZB12A	142A
ZB12B	142A
ZB13	143A
ZB13A	145A
ZB13B	143A
ZB15	145A
ZB-15A	145A
ZB15A	145A
ZB15B	145A
ZB16	5075A
ZB16A	5075A
ZB16B	5075A
ZB18	5027A
ZB18A	5077A
ZB18B	5077A
ZB20	5029A
ZB20B	5079A
ZB22	5030A
ZB22B	5080A
ZB24	5081A
ZB24A	5081A
ZB24B	5081A
ZB27	146A
ZB27-3	146A
ZB27A	146A
ZB27A-3	146A
ZB27B	146A
ZB27B-3	146A
ZB30	5084A
ZB30A	5084A
ZB30B	5084A
ZB33	147A
ZB33A	147A
ZB33B	147A
ZB36	5085A
ZB36B	5085A
ZB39	5144A
ZB39B	5086A
ZB43B	5087A
ZB47B	5088A
ZB51B	5089A
ZB56A	5090A
ZB56B	5090A
ZB62	149A
ZB62A	149A
ZB62B	149A
ZB68B	5092A
ZB75B	5093A
ZB82	150A
ZB82A	150A
ZB82B	150A
ZB91B	5095A
ZB100	5096A
ZB100B	5096A
ZB110	151A
ZB110A	151A
ZB110B	151A

To Be Replaced	ECG Replacement
ZB120	5097A
ZB120B	5097A
ZB130B	5098A
ZB150	5100A
ZB150B	5100A
ZB160B	5101A
ZB180	5103A
ZB180B	5103A
ZB200	5105A
ZB200B	5105A
ZBC3.3B	5111A
ZBC3.6B	5112A
ZBC3.9B	5113A
ZBC4.3B	5114A
ZBC4.7B	5115A
ZBC5.1B	5116A
ZBC5.6B	5117A
ZBC6.2B	5119A
ZBC6.8B	5120A
ZBC7.5	5121A
ZBC7.5B	5121A
ZBC8.2B	5122A
ZBC9.1B	5124A
ZBC10B	5125A
ZBC11B	5126A
ZBC12	5127A
ZBC12B	5127A
ZBC13B	5128A
ZBC14B	5129A
ZBC15	5130A
ZBC15B	5130A
ZBC17B	5132A
ZBC18B	5133A
ZBC19B	5134A
ZBC20B	5135A
ZBC22	5136A
ZBC22B	5136A
ZBC24B	5137A
ZBC25B	5138A
ZBC27	5139A
ZBC27B	5139A
ZBC30B	5141A
ZBC33	5142A
ZBC33B	5142A
ZBC36B	5143A
ZBC39B	5144A
ZBC43B	5145A
ZBC47B	5146A
ZBC51B	5147A
ZBC56	5148A
ZBC56B	5148A
ZBC62B	5150A
ZBC68B	5151A
ZBC75B	5152A
ZBC82	5153A
ZBC91B	5155A
ZBC100	5156A
ZBC100B	5156A
ZBC110B	5157A
ZBC120	5158A
ZBC120B	5158A
ZBC130B	5159A
ZBC140B	5160A
ZBC150B	5161A
ZBC160B	5162A
ZBC180B	5164A
ZBC200B	5166A
ZBI-09	139A
ZBU-19	5079A
ZC010	140A
ZC011	5074A
ZC012	142A
ZC013	143A
ZC015	145A
ZC-015	145A
ZC016	5075A
ZC018	5077A
ZC020	5079A
ZC022	5080A
ZC024	5081A
ZC027	146A
ZC027-3	146A
ZC030	5084A
ZC033	147A
ZC1N34A	109
ZC1S358S	177
ZC2SA70	160
ZC2SA71	160
ZC2SA71A	160
ZC2SA101	160
ZC2SA101BA	160
ZC2SA102	778A
ZC2SA102CA	160
ZC2SA103	160
ZC2SA103CA	160
ZC2SA377	160
ZC2SA700A	160
ZC2SA700B	160
ZC2SB172	158
ZC2SB172A	158
ZC3.3B	5111A
ZC3.6B	5112A
ZC3.9B	5113A
ZC4.3B	5114A
ZC4.7B	5115A
ZC5.1B	5116A
ZC5.6B	5117A
ZC6.2B	5119A
ZC6.8B	5120A
ZC7.5	5121A
ZC7.5B	5121A
ZC8.2B	5122A
ZC9.1	5124A
ZC9.1B	5124A

To Be Replaced	ECG Replacement
ZC10	5125A
ZC10B	5125A
ZC11B	5126A
ZC12	5127A
ZC12B	5127A
ZC13B	5128A
ZC14B	5129A
ZC15	5130A
ZC15B	5130A
ZC17B	5132A
ZC18	5133A
ZC18B	5133A
ZC19B	5134A
ZC20B	5135A
ZC22	5136A
ZC22B	5136A
ZC24B	5137A
ZC25B	5138A
ZC27	5139A
ZC27B	5139A
ZC30B	5141A
ZC33	5142A
ZC33B	5142A
ZC36B	5143A
ZC39B	5144A
ZC43B	5145A
ZC47B	5146A
ZC51B	5147A
ZC56	5148A
ZC56B	5148A
ZC62B	5150A
ZC68B	5151A
ZC75B	5152A
ZC82	5153A
ZC82B	5153A
ZC91B	5155A
ZC100	5156A
ZC100B	5156A
ZC120	5158A
ZC120B	5158A
ZC130B	5159A
ZC140B	5160A
ZC150B	5161A
ZC160B	5162A
ZC200B	5166A
ZC700	610
ZC702	611
ZC703	612
ZC800	611
ZC800A	611
ZC802	613
ZC802A	613
ZC2010	5125A
ZC2012	5127A
ZC2013	5128A
ZC2015	5130A
ZC2016	5131A
ZC2018	5133A
ZC2020	5135A
ZC2022	5136A
ZC2024	5137A
ZC2027	5139A
ZC2030	5141A
ZC2033	5142A
ZC5008	5183A
ZC5009	5185A
ZC5010	5186A
ZC5011	5187A
ZC5012	5188A
ZC5013	5189A
ZC5015	5191A
ZC5016	5192A
ZC5018	5194A
ZC5020	5196A
ZC5022	5197A
ZC5024	5198A
ZC5027	5200A
ZC5030	5202A
ZC5033	5203A
ZC5036	5204A
ZC5039	5205A
ZC5043	5206A
ZC5047	5208A
ZC5051	5210A
ZC5062	5214A
ZC5068	5215A
ZC5075	5216A
ZC5082	5217A
ZC5091	5219A
ZC5099	5220A
ZC5101K	65101
ZC5101Y	65101
ZC6508Y	6508
ZC6509K	6508
ZCC3.3B	5111A
ZCC3.6B	5112A
ZCC3.9B	5113A
ZCC4.3B	5114A
ZCC4.7B	5115A
ZCC5.1B	5116A
ZCC5.6B	5117A
ZCC6.2B	5119A
ZCC6.8B	5120A
ZCC7.5	5121A
ZCC7.5B	5121A
ZCC8.2B	5122A
ZCC9.1B	5124A
ZCC10B	5125A
ZCC11B	5126A
ZCC12	5127A
ZCC12B	5127A
ZCC13B	5128A

To Be Replaced	ECG Replacement
ZCC14B	5129A
ZCC15	5130A
ZCC15B	5130A
ZCC17B	5132A
ZCC18B	5133A
ZCC19B	5134A
ZCC20B	5135A
ZCC22	5136A
ZCC22B	5136A
ZCC24B	5137A
ZCC25B	5138A
ZCC27	5139A
ZCC27B	5139A
ZCC30B	5141A
ZCC33	5142A
ZCC36B	5143A
ZCC39B	5144A
ZCC43B	5145A
ZCC47B	5146A
ZCC51B	5147A
ZCC56	5148A
ZCC56B	5148A
ZCC62B	5150A
ZCC68B	5151A
ZCC75B	5152A
ZCC82	5153A
ZCC82B	5153A
ZCC91B	5155A
ZCC100	5156A
ZCC100B	5156A
ZCC110B	5157A
ZCC120	5158A
ZCC120B	5158A
ZCC130B	5159A
ZCC140B	5160A
ZCC150B	5161A
ZCC160B	5162A
ZCC200B	5166A
ZCOM3679	116
ZCOM-5683-0	116
ZCSR16C	5543
ZCSR16D	5545
ZCSR16E	5545
ZCSR16F	5547
ZCSR16G	5547
ZCSR16H	5548
ZCSR16J	5548
ZD012	142A
ZD015	145A
ZD-015	145A
ZD027	146A
ZD-027-3	146A
ZD033	147A
ZD3.6B	134A
ZD3.9	5067A
ZD3.9B	5067A
ZD-4.1V	5068A
ZD4.3	5068A
ZD4.3B	5068A
ZD4.7	5069A
ZD4.7B	5069A
ZD-5V	135A
ZD5.1	135A
ZD5.1A	135A
ZD5.1B	135A
ZD5.1V	135A
ZD5.6	136A
ZD5.6A	136A
ZD5.6B	136A
ZD6.2	137A
ZD6.2A	137A
ZD6.2B	137A
ZD-6.2V	137A
ZD6.8	5071A
ZD6.8B	5071A
ZD-6.8V	5071A
ZD7.5	138A
ZD7.5B	138A
ZD8.2	5072A
ZD8.2B	5072A
ZD9.1	139A
ZD9.1A	139A
ZD9.1B	139A
ZD10	140A
ZD10B	5125A
ZD11	5074A
ZD11B	5074A
ZD11V	5074A
ZD12	142A
ZD12A	142A
ZD12B	142A
ZD13	143A
ZD13B	143A
ZD14	5129A
ZD-15	145A
ZD15	145A
ZD15A	145A
ZD-15A	145A
ZD15B	145A
ZD-15B	145A
ZD16	5075A
ZD16B	5075A
ZD18	5077A
ZD18B	5077A
ZD20	5079A
ZD20B	5079A
ZD22	5080A
ZD22B	5080A
ZD24	5081A
ZD24B	5081A
ZD27	146A
ZD27-3	146A
ZD27A	146A
ZD27B	146A

ZC-140(Transistor)	152
ZC-140(140V.Zener)	5099A
ZC-140(43.0V.Zener)	5087A
ZC-140(Zener)	5037A
ZC140B	5160A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
ZD30	5084A
ZD30B	5084A
ZD33	147A
ZD33A	147A
ZD33B	147A
ZD36	5085A
ZD36A	134A
ZD36B	5085A
ZD39	5086A
ZD39B	5086A
ZD43	5087A
ZD43B	5087A
ZD47	5088A
ZD47B	5088A
ZD51	5089A
ZD51A	135A
ZD51B	5089A
ZD56	5090A
ZD56A	5090A
ZD56B	5090A
ZD62	149A
ZD62A	149A
ZD62B	149A
ZD68	5092A
ZD68B	5092A
ZD75	5093A
ZD75B	5093A
ZD82	150A
ZD82A	150A
ZD82B	150A
ZD91	5095A
ZD91A	5095A
ZD91B	5095A
ZD100	5096A
ZD100B	5096A
ZD110	151A
ZD110A	151A
ZD110B	151A
ZD120	5097A
ZD120B	5097A
ZD130	5098A
ZD130B	5098A
ZD150	5100A
ZD150B	5100A
ZD160	5101A
ZD160B	5101A
ZD180	5103A
ZD180B	5103A
ZD200	5105A
ZD200B	5105A
ZD2010	5125A
ZD2012	5127A
ZD2015	5130A
ZD2018	5133A
ZD2027	5139A
ZD2028	5136A
ZD2033	5142A
ZDP-D22-69:54	129
ZDRD6.8ENZ	5014A
ZDT	123A
ZDT10	108
ZDT11	108
ZDT20	108
ZDT21	108
ZDT-30	108
ZDT30	108
ZDT31	108
ZDT-31	108
ZE-1.5	109
ZE4.7	5009A
ZE5.6	136A
ZE6.8	5014A
ZE8.2	5016A
ZE10	140A
ZE12	142A
ZE12A	142A
ZE12B	142A
ZE-15	145A
ZE15	145A
ZE-15A	145A
ZE15A	145A
ZE15B	145A
ZE-15B	145A
ZE-18	5027A
ZE22	5030A
ZE27	146A
ZE27A	146A
ZE27B	146A
ZE33	147A
ZE33A	147A
ZE33B	147A
ZE62	149A
ZE62A	149A
ZE62B	149A
ZE82	150A
ZE82A	150A
ZE82B	150A
ZE110	151A
ZE110A	151A
ZE110B	151A
ZEC5.6	136A
ZEC12	142A
ZEC27	146A
ZEN100	123A
ZEN101	129
ZEN102	123A
ZEN103	123A
ZEN104	108
ZEN105	161
ZEN106	159
ZEN107	159
ZEN108	108
ZEN109	108
ZEN110	123A
ZEN111	123A
ZEN112	123A
ZEN113	123A
ZEN114	123A
ZEN115	123A
ZEN116	199
ZEN117	229
ZEN118	108
ZEN119	123A
ZEN120	123A
ZEN121	229
ZEN122	159
ZEN123	312
ZEN124	221
ZEN125	194
ZEN127	123A
ZEN128	172A
ZEN129	6409
ZEN200	124
ZEN201	225
ZEN202	184
ZEN203	185
ZEN204	162
ZEN205	154
ZEN206	165
ZEN207	282§
ZEN208	191
ZEN209	182
ZEN210	184
ZEN211	185
ZEN300	160
ZEN301	160
ZEN302	158
ZEN303	102
ZEN304	158
ZEN305	158
ZEN306	102
ZEN307	158
ZEN308	158
ZEN309	102A
ZEN310	102A
ZEN311	126A
ZEN312	126A
ZEN313	126A
ZEN314	126A
ZEN315	101
ZEN325	104
ZEN326	121
ZEN327	213
ZEN328	127
ZEN329	761§
ZEN330	121
ZEN331	121
ZEN401	5806
ZEN403	5878
ZEN430	109
ZEN431	112
ZEN432	178MP
ZEN433	167
ZEN500	5013A
ZEN501	138A
ZEN502	5021A
ZEN503	5027A
ZEN504	5033A
ZEN505	138A
ZEN506	143A
ZEN507	144A
ZEN508	145A
ZEN512	147A
ZEN513	5098A
ZEN514	5099A
ZEN515	5085A
ZEN516	5137A
ZEN517	5141A
ZEN601	760
ZEN602	722
ZEN603	790
ZEN604	708
ZEN605	712
ZEN606	707
ZEN607	714
ZEN608	715
ZEN609	739
ZEN900	413
ZEN902	414
ZEN905	405
ZEN907	401
ZENER7-1V	138A
ZENER-122	142A
ZENER-132	5082A
ZENER-136	5078A
ZF2.7	5063A
ZF2.7P	5063A
ZF3.0	5065A
ZF3.0P	5065A
ZF3.3	5066A
ZF3.3P	5066A
ZF3.6	134A
ZF3.6P	134A
ZF3.9	5067A
ZF3.9P	5067A
ZF4.3	5068A
ZF4.3P	5068A
ZF4.7	5069A
ZF4.7P	5069A
ZF5.1	135A
ZF5.1P	5116A
ZF5.6	136A
ZF5.6P	136A
ZF6.2	137A
ZF6.2P	137A
ZF6.8	5071A
ZF6.8P	5071A
ZF7.5	138A
ZF7.5P	138A
ZF8A	5072A
ZF8.2	5072A
ZF-8.2	5072A
ZF8.2P	5072A
ZF9.1	139A
ZF9.1P	139A
ZF10	140A
ZF10P	140A
ZF11	5074A
ZF11P	5074A
ZF12	142A
ZF12A	142A
ZF12B	142A
ZF13	143A
ZF13P	143A
ZF-15	145A
ZF15	145A
ZF-15A	145A
ZF15A	145A
ZF-15B	145A
ZF15B	145A
ZF15P	145A
ZF16	5075A
ZF-16	145A
ZF16P	5075A
ZF18	5077A
ZF18P	5077A
ZF20	5079A
ZF20P	5079A
ZF22	5080A
ZF22P	5080A
ZF24	5081A
ZF24P	5081A
ZF27	146A
ZF27A	146A
ZF27B	146A
ZF27P	146A
ZF30	5084A
ZF30P	5084A
ZF33	147A
ZF33A	147A
ZF33B	147A
ZF33P	147A
ZF43	5068A
ZF62	149A
ZF62A	149A
ZF62B	149A
ZF82	150A
ZF82A	150A
ZF82B	150A
ZF413	5068A
ZFD9.1	139A
ZG2.7	5002A
ZG3.3	5005A
ZG3.9	134A
ZG4.7	135A
ZG5.6	136A
ZG6.8	5014A
ZG8.2	5016A
ZG9.1	139A
ZG10	140A
ZG12	142A
ZG15	145A
ZG-15	145A
ZG15A	145A
ZG15B	145A
ZG-15B	145A
ZG18	5027A
ZG22	5030A
ZG27	146A
ZG27A	146A
ZG27B	146A
ZG33	147A
ZG33A	147A
ZG33B	147A
ZG62	149A
ZG62A	149A
ZG62B	149A
ZG82	150A
ZG82A	150A
ZG82B	150A
ZH6.8B	5071A
ZH7.5B	138A
ZH8.2B	5072A
ZH9.1	139A
ZH9.1A	139A
ZH9.1B	139A
ZH10B	140A
ZH11	141A
ZH11A	141A
ZH11B	5074A
ZH12	142A
ZH12A	142A
ZH12B	142A
ZH13	143A
ZH13A	143A
ZH13B	143A
ZH15	145A
ZH-15	145A
ZH-15A	145A
ZH15A	145A
ZH-15B	145A
ZH15B	145A
ZH16B	5075A
ZH18B	5077A
ZH20B	5079A
ZH22B	5080A
ZH24B	5081A
ZH27	146A
ZH27A	146A
ZH27B	146A
ZH30B	5084A
ZH33	147A
ZH33A	147A
ZH33B	147A
ZH36B	5085A
ZH39B	5086A
ZH43B	5087A
ZH47B	5088A
ZH51B	5089A
ZH56	148A
ZH56A	148A
ZH56B	5090A
ZH62	149A
ZH62A	149A
ZH62B	149A
ZH68B	5092A
ZH75B	5093A
ZH82	150A
ZH82A	150A
ZH82B	150A
ZH91B	5095A
ZH110	151A
ZH110A	151A
ZH110B	151A
ZH120B	5097A
ZH130B	5098A
ZH150B	5100A
ZH160B	5101A
ZH180B	5103A
ZH200B	5105A
ZJ12	142A
ZJ12A	142A
ZJ12B	142A
ZJ13	158
ZJ-15	145A
ZJ15	145A
ZJ-15A	145A
ZJ15A	145A
ZJ-15B	145A
ZJ15B	145A
ZJ27	146A
ZJ27A	146A
ZJ27B	146A
ZJ33	147A
ZJ33A	147A
ZJ33B	147A
ZJ39A	5531
ZJ39L	5531
ZJ40	108
ZJ54A	5487
ZJ54L	5487
ZJ62	149A
ZJ62A	149A
ZJ62B	149A
ZJ72	160
ZJ73	160
ZJ82	150A
ZJ82A	150A
ZJ82B	150A
ZJ110	151A
ZJ110A	151A
ZJ110B	151A
ZJ226	5496
ZJ230	5527
ZJ252B	116
ZL6	5012A
ZM5.6	136A
ZM5.6B	136A
ZM6.2B	137A
ZM6.8B	5071A
ZM7.5B	138A
ZM8.2A	5072A
ZM8.2B	5072A
ZM8.2C	5072A
ZM8.2D	5072A
ZM9.1B	139A
ZM10B	140A
ZM11B	5074A
ZM12B	142A
ZM13B	143A
ZM14B	144A
ZM15B	5130A
ZM16B	5075A
ZM17B	5076A
ZM18B	5077A
ZM19B	5078A
ZM20B	5079A
ZM22B	5080A
ZM24B	5081A
ZM25B	5082A
ZM27B	146A
ZM30B	5084A
ZM33	147A
ZM33B	147A
ZM36B	5085A
ZM39B	5086A
ZM43B	5087A
ZM47B	5088A
ZM51B	5089A
ZM56B	5090A
ZM62B	149A
ZM68B	5092A
ZM75B	5093A
ZM82B	150A
ZM91B	5095A
ZMZ205	135A
ZMZ605	135A
ZN6386	263
ZN7400E	7400
ZN7401E	7401
ZN7402E	7402
ZN7404E	7404
ZN7405E	7405
ZN7409E	7409
ZN7410E	7410
ZN7412E	7412
ZN7413E	7413
ZN7420E	7420
ZN7425E	7425
ZN7427E	7427
ZN7428	7428
ZN7430E	7430
ZN7432E	7432
ZN7437E	7437
ZN7439E	7439
ZN7440E	7440
ZN7441AE	7441
ZN7442E	7442
ZN7450E	7450
ZN7451E	7451
ZN7453E	7453
ZN7454E	7454
ZN7460E	7460
ZN7470E	7470
ZN7472E	7472
ZN7473E	7473
ZN7474E	7474
ZN7475E	7475
ZN7476E	7476
ZN7482E	7482
ZN7483E	7483
ZN7485E	7485
ZN7486E	7486
ZN7489E	7489
ZN7490AE	7490
ZN7491E	7491
ZN7492AE	7492
ZN7493AE	7493A
ZN7494E	7494
ZN7495AE	7495
ZN7496E	7496
ZN74107E	74107
ZN74121E	74121
ZN74122E	74122
ZN74123E	74123
ZN74150E	74150
ZN74151E	74151
ZN74153E	74153
ZN74154E	74154
ZN74155E	74155
ZN74161E	74161
ZN74163E	74163
ZN74164E	74164
ZN74165E	74165
ZN74166E	74166
ZN74170E	74170
ZN74174E	74174
ZN74175E	74175
ZN74180E	74180
ZN74181E	74181
ZN74191E	74191
ZN74192E	74192
ZN74193E	74193
ZN35050411	198
ZN37001003	1047
ZN37002001	1046
ZN37003008	738
ZN37004002	1050
ZN37007003	1109
ZN37011002	749
ZN 35024712	197
ZN 35050412	198
ZN 35050511	198
ZN 35062712	198
ZNR3K101	601
ZNR-3K471	601
ZNR3S251	601
ZNR10K241U	2V150
ZNR-K101(14mm)	2V060
ZNR-K101(7mm)	1V060
ZNR-K101(5mm)	1V060
ZNR-K101(10mm)	2V060
ZNR-K121(14mm)	2V075
ZNR-K121(7mm)	1V075
ZNR-K121(5mm)	1V075
ZNR-K121(10mm)	2V075
ZNR-K151(7mm)	1V095
ZNR-K151(14mm)	2V095
ZNR-K151(5mm)	1V095
ZNR-K151(10mm)	2V095
ZNR-K201(10mm)	2V130
ZNR-K201(7mm)	1V130
ZNR-K201(14mm)	2V130
ZNR-K201(20mm)	524V13
ZNR-K201(5mm)	1V130
ZNR-K220(5mm)	1V014
ZNR-K220(14mm)	2V014
ZNR-K220(10mm)	2V014
ZNR-K241(10mm)	2V150
ZNR-K241(5mm)	1V150
ZNR-K241(7mm)	1V150
ZNR-K241(20mm)	524V15
ZNR-K241(14mm)	2V150
ZNR-K270(7mm)	1V017
ZNR-K270(10mm)	2V017
ZNR-K270(14mm)	2V017
ZNR-K270(5mm)	1V017
ZNR-K330(10mm)	2V020
ZNR-K330(14mm)	2V020
ZNR-K330(5mm)	1V020
ZNR-K330(7mm)	1V020
ZNR-K390(10mm)	2V025
ZNR-K390(5mm)	1V025
ZNR-K390(14mm)	2V025
ZNR-K390(7mm)	1V025
ZNR-K391(20mm)	524V25
ZNR-K391(10mm)	2V250
ZNR-K391(5mm)	1V250
ZNR-K391(14mm)	2V250
ZNR-K391(7mm)	1V250
ZNR-K431(20mm)	524V27
ZNR-K431(7mm)	1V275
ZNR-K431(5mm)	1V275
ZNR-K431(14mm)	2V275
ZNR-K431(10mm)	2V275
ZNR-K470(7mm)	1V030
ZNR-K470(14mm)	2V030
ZNR-K470(5mm)	1V030
ZNR-K470(10mm)	2V030
ZNR-K471(14mm)	2V300
ZNR-K471(10mm)	2V300
ZNR-K471(7mm)	1V300
ZNR-K471(20mm)	524V30
ZNR-K471(5mm)	1V300
ZNR-K560(14mm)	2V035
ZNR-K560(7mm)	1V035
ZNR-K560(5mm)	1V035
ZNR-K560(10mm)	2V035
ZNR-K680(10mm)	2V040
ZNR-K680(14mm)	2V040
ZNR-K680(7mm)	1V040
ZNR-K680(5mm)	1V040
ZNR-K681(20mm)	524V42
ZNR-K681(10mm)	2V420
ZNR-K681(14mm)	2V420
ZNR-K781(20mm)	524V48
ZNR-K781(10mm)	2V480
ZNR-K781(14mm)	2V480
ZNR-K820(7mm)	1V050
ZNR-K820(5mm)	1V050
ZNR-K820(14mm)	2V050
ZNR-K820(10mm)	2V050
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ZO-12A	142A
ZO-12B	142A
ZO-15	145A
ZO-15A	145A
ZO-15AC	145A
ZO-15B	145A
ZO-15BY	145A
ZO-27	146A
ZO-27A	146A
ZO-27B	146A
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ZO-33A	147A
ZO-33B	147A
ZO-62	149A
ZO-62A	149A
ZO-62B	149A
ZO-82	150A
ZO-82A	150A
ZO-82B	150A
ZO-110	151A
ZO-110A	151A
ZO-110B	151A
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ZOB4.3	5068A
ZOB4.7	5069A
ZOB5.1	135A
ZOB5.6	136A
ZOB6.2	137A
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ZOB-15	145A
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ZOB27	146A
ZOB27B	146A
ZOB33	147A
ZOB62	149A
ZOB82	150A
ZOB110	151A
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ZOD6.8	5071A
ZOD-15	145A
ZOD15	145A
ZOD18	5027A
ZOD27	146A
ZOD33	147A
ZOD62	149A
ZOD82	150A
ZOD110	151A
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ZP3.3	5005A
ZP3.9	5007A
ZP4.3	5068A
ZP4.7	5009A
ZP5.1	135A
ZP5.6	136A
ZP6.2	137A
ZP6.8	5014A
ZP8.2	5016A
ZP9.1	139A
ZP-9.1	139A
ZP9.1A	139A
ZP9.1B	139A
ZP10	140A
ZP12	142A
ZP12A	142A
ZP12B	142A
ZP-15	145A
ZP15	145A
ZP15A	145A
ZP-15A	145A
ZP15B	145A
ZP-15B	145A
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ZP20	5029A
ZP22	5030A
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ZP62A	149A
ZP62B	149A
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ZP82B	150A
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ZP110A	151A
ZP110B	151A
ZP2013	4918
ZP2013A	4918
ZP2018	4926
ZP2018A	4926
ZP2020	4928
ZP2020A	4928
ZP2027	4934
ZP2027A	4934
ZP2051	4950
ZP2051A	4950
ZP2068	4958
ZP2068A	4958
ZP2102K	2102
ZP2102Y	2102
ZP2104K	2104
ZP2104Y	2104
ZP2114K	2114
ZP2114Y	2114
ZP2117K	2117
ZP2117Y	2117
ZP2147K	2147
ZP2147Y	2147
ZP2200	4988
ZP2200A	4988
ZPD2.7	5002A
ZPD3	5004A
ZPD3.3	5005A
ZPD3.6	5006A
ZPD3.9	5007A
ZPD4.3	5008A
ZPD4.7	5009A
ZPD5.1	5010A
ZPD5.6	5011A
ZPD6.2	5013A
ZPD6.8	5014A
ZPD7.5	5015A
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ZPD10	5019A
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ZPD13	5022A
ZPD15	5024A
ZPD16	5025A
ZPD18	5027A
ZPD20	5029A
ZPD22	5030A
ZPD24	5031A
ZPD27	5033A
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ZPD39	5038A
ZPD43	5039A
ZPD47	5040A
ZPD51	5041A
ZPD618	5071A
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ZPU120	5097A
ZPU150	5100A
ZPU180	5103A
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ZPY4.3	5068A
ZPY4.7	5069A
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ZPY5.6	136A
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ZPY36	5085A
ZPY39	5086A
ZPY43	5087A
ZPY47	5088A
ZPY51	5089A
ZPY56	5090A
ZPY62	149A
ZPY68	5092A
ZPY75	5093A
ZPY82	150A
ZPY91	5095A
ZPY100	5096A
ZQ-6	5070A
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ZQ9.1A	139A
ZQ9.1B	139A
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ZQ12A	142A
ZQ12B	142A
ZQ-15	145A
ZQ15	145A
ZQ-15A	145A
ZQ15A	145A
ZQ-15B	145A
ZQ15B	145A
ZQ15X	145A
ZQ27	146A
ZQ27A	146A

◆, #, @, *, ▲, %, ●, +, §, ‡ - See Special Notes Page 2 - 2

To Be Replaced	ECG Replacement
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ZQ33	147A
ZQ33A	147A
ZQ33B	147A
ZQ62	149A
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ZQ62B	149A
ZQ82	150A
ZQ82A	150A
ZQ82B	150A
ZQ-108-01	712
ZQ110	151A
ZQ110A	151A
ZQ110B	151A
ZR10	5800
ZR11	5801
ZR12	5802
ZR13	5804
ZR14	5804
ZR15	116
ZR20	5940
ZR21	5944
ZR22	5944
ZR50B793-1	142A
ZR50B793-3	146A
ZR50B849-1	146A
ZR50B921-1	146A
ZR50B921-2	138A
ZR50B921-3	145A
ZR50B921-10	5084A
ZR51B071-1	5137A
ZR51B071-2	5130A
ZR51B155-2	5130A
ZR51B155-5	5139A
ZR60	116
ZR-61	116
ZR61	116
ZR62	116
ZR-63	116
ZR63	116
ZR64	116
ZR66	116
ZR68	156
ZR89-50	137A
ZR200	5870
ZR201	5874
ZR202	5874
ZR204	5878
ZR206	5882
ZR208	5886
ZR-500	116
ZR500	116
ZR-590	116
ZR590A	116
ZR-590A	116
ZR601	5801
ZR602	5802
ZR604	5804
ZR606	5806
ZR608	156
ZR821-10	137A
ZR821-20	137A
ZR821-50	137A
ZR821-75	137A
ZR821-100	137A
ZR821-120	137A
ZR821-150	137A
ZR823-10	137A
ZR823-20	137A
ZR823-50	137A
ZR823-75	137A
ZR823-100	137A
ZR823-120	137A
ZR823-150	137A
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ZR827-20	137A
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ZR827-75	137A
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ZR827-120	137A
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ZR-1031	116
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ZR-1035	116
ZR1076	116
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ZR50921-2	5071A
ZR518071-2	5130A
ZR518071-3	5142A
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ZRB51B254-1	5084A
ZRB921-4	146A
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ZS10B	116
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ZS34A	116
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ZS40	177
ZS50	116
ZS-50	116
ZS51	116
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ZS174B	116
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ZS271	5801
ZS272	5802
ZS274	5804
ZS276	5806
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ZS605	137A
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ZS702	5802
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ZS6021	137A
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ZSD235Y	196
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ZT24C	123A
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ZT27B	146A
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ZT64-5	123A
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ZT66B	128
ZT66C	128
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ZTR-FOR2B	5402
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ZTR-LM3900N	992
ZTR-W03C	116
ZTR-W06B	116
ZTR-W06C	116
ZTR-WO6B	116
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ZV12A	142A
ZV12B	142A
ZV15	145A
ZV-15	145A
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ZV-15B	145A
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ZW9.1	139A
ZX070	138A
ZX-070	5071A
ZXL-14	144A
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ZXY14B	144A
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ZY24	5081A
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ZY27A	146A
ZY27B	146A
ZY33	147A
ZY33A	147A
ZY33B	147A
ZY36	5085A
ZY39	5086A
ZY43	5087A
ZY47	5088A
ZY51	5089A
ZY56	5090A
ZY62	149A
ZY62A	149A
ZY62B	149A
ZY68	5092A
ZY75	5093A
ZY82	150A
ZY82A	150A
ZY82B	150A
ZY91	5095A
ZY100	5096A
ZY110	151A
ZY110A	151A
ZY110B	151A
ZY120	5097A
ZY130	5098A
ZY150	5100A
ZY160	5101A
ZY180	5103A
ZY200	5105A
ZZ3.3	5066A
ZZ3.6	134A
ZZ3.9	5067A
ZZ4.1	135A
ZZ4.3	5068A
ZZ4.7	5069A
ZZ5.1	135A
ZZ5.6	136A
ZZ6.2	137A
ZZ6.8	5071A
ZZ7.5	138A
ZZ8.2	5072A
ZZ9.1	139A
ZZ10	140A
ZZ11	5074A
ZZ12	142A
ZZ13	143A
ZZ15	145A
ZZ-15	145A
ZZ18	5027A
ZZ22	5030A
ZZ27	146A
ZZ33	147A
ZZ62	149A
ZZ82	150A
ZZ110	151A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

Audio and Video Products VHS/BETA



NEW

■ VCR Mechanical Replacement Parts

- Pinch Rollers
- Idler Wheel Assemblies
- Tires
- Belts

- Video Head Assemblies
- Video Test Cassettes
- Audio Test, Demagnetizer and Cleaning Cassettes
- Adjustment Tools and Test Jigs
- Lube and Cleaning Kits
- Sensor Lamps, Photo Sensitive Transistors

Ask your Philips ECG Distributor for Publications ET-2208-1, ET-2334 and ET-2345.

Cable Converters

■ 70 or 139 Channel Capability

■ Infrared Remote Control

- ON/OFF
- Volume
- Channel
- Recall
- Fine Tuning
- Mute

■ Memory — Stores Up to 12 Channels

TV-1000 — 70 Channel Model
TV-2000 — 139 Channels with Volume Control

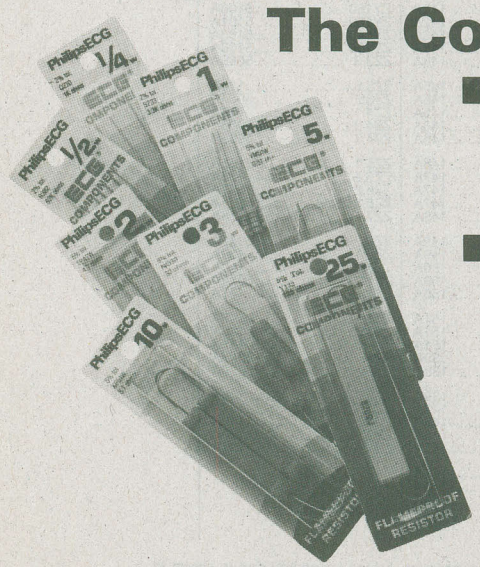


NEW



Ask your Philips ECG Distributor for Publication ET-2313.

Flameproof Resistors



The Complete Line . . .

■ Over 1000 Types

- 0.1 Ohm-100 Megohms
- 1/4 W-25 W
- 2% and 5% Tolerance

■ Film

■ Wirewound

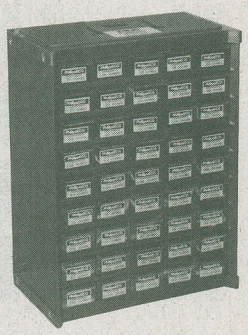
■ High Power
(Ceramic Square Case)

■ Available in

- Blister Packs
- Assortments
- Kits in Cabinets
- Bulk

Take advantage of the tight tolerances and excellent stability and reliability of ECG Flameproof Resistors. And, ECG Flameproof Resistors can provide all the replacements you need without maintaining a large inventory.

Ask your Philips ECG Distributor for Publication ET-2185.



Remote Control Transmitters

82 ECG Universal Remote Controls . . .



- Replace Over 3100 Original Manufacturers' Numbers, 48 Brands
- Operate TV Sets, Cable Converters — Both Infrared and Ultrasonic Types
- All-New Construction (Not Rebuilts)
- Key Functions Closely Follow Those of Original

No longer is it necessary to encounter long, frustrating delays for customers while waiting for a defective unit to be serviced by the original manufacturer.

Ask your Philips ECG Distributor for Publications ET-2300 and ET-2273.

Remote Control Transmitter Testers

Universal — Test All Types

- Ultrasonic, Infrared
- TV, VCR, Cable Converter, Compact Audio/Video Disc Players . . .



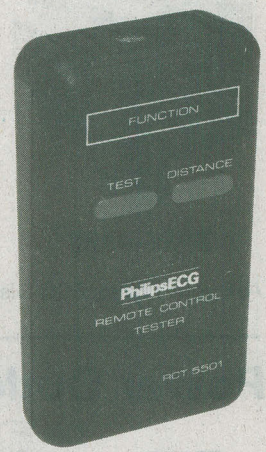
- Quick Go/No Go Function Test — Detects Transducer Output Directly Without Electrical Connections; Provides Positive LED Indication of Transmitter Output
- Verifies All Transmitter Functions
- Ideal for Field Service Calls

RCT7501

- Offers **Scope/Frequency Counter Test Jack**
- Includes Cable for Connecting to Scope/ Counter

RCT5501

- Offers **Effective Control Range Test**
- RCT5501KT Kit Available to Add Scope/Frequency Counter Test Jack



Ask your Philips ECG Distributor for Publication ET-2310.

Wiring Accessories



Cable Ties — 5 Styles, 22 Sizes

- Standard
- Ultraviolet and Weather Resistance
- Screwdown
- Releaseable
- All Nylon
- Marker
- Assortment and Bulk Available

WA-1 Cable Tie Gun

- Cinches Cable Ties Quickly and Tightly
- Works With All Common Size Ties

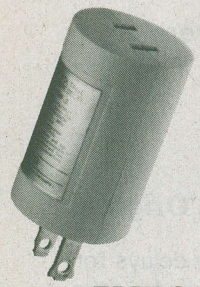
Ask your Philips ECG Distributor for Publication ET-2306.

S

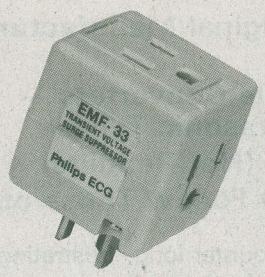
EMF™ Surge Suppressors

General Purpose Models

UL Approved



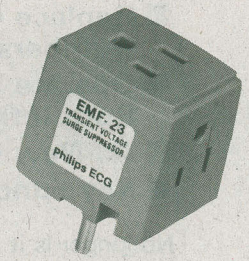
EMF-2



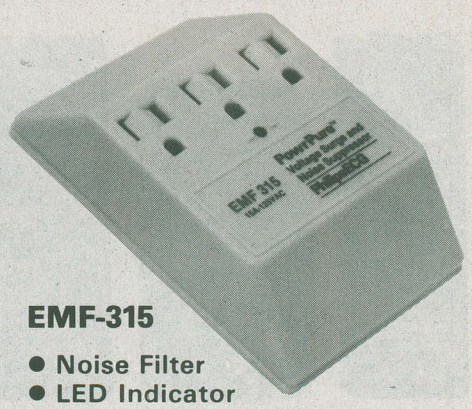
EMF-33



EMF-3



EMF-23



EMF-315

- Noise Filter
- LED Indicator

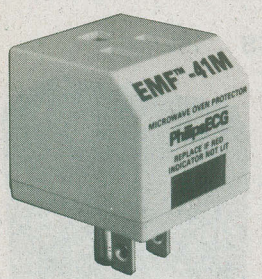
■ Fast Acting MOV Protection - <5 nanosec

- Up to 80-Joule Energy Rated
- 15 A Rated with Thermal Overload Protection
- 2 and 3 Prong Models
- 1 and 3 Outlets

Ask your Philips ECG Distributor for Publication ET-2314.

Microwave Oven Protector

UL Approved



EMF-41M

- 3-Mode Surge Protection
- 114-Joule Energy Rated
- RFI Filter
- 15-Amp Rated
- Fast Acting
- LED Indicator

NEW

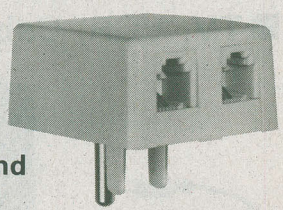
Designed specifically to protect microwave ovens and other kitchen appliances. Also filters RF noise that can cause erratic operation of timer and control panel. An excellent choice also for VCR, TV and air conditioners.

Ask your Philips ECG Distributor for Publication ET-2328.

Telephone Protector

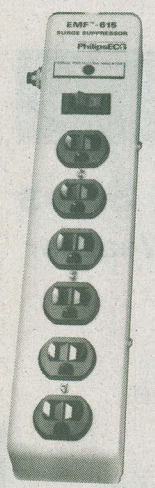
■ Protects Telephones, Modems, Answering and FAX Machines

- Supresses Transients
  - Tip to Ground
  - Ring to Ground
- 10 Joules Energy Rated
- Utilizes Power Line Ground
- Fast Acting - <5 nanosec
- 6-Foot Interconnecting Cable Included

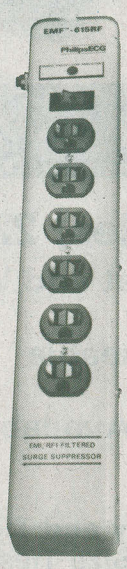


EMF-232

Power Outlet Strips UL Approved



EMF-615
Surge Suppressor



EMF-615RF
Surge Suppressor and EMF/RFI Noise Filter

- 3-Mode Surge Suppression
  - Hot to Neutral
  - Hot to Ground
  - Ground to Neutral
- Spike Energy Absorption 100 Joules
- Nanosecond Response Time
- 15 A/120 V AC (1875 W Max.)
- Surge Protection Indicator Lamp
- Fused Surge Protection Circuit
- Illuminated Power Switch
- Resettable Circuit Breaker
- Sturdy Steel Case
- 6-Foot Power Cord

Master Power Control

UL Approved

■ MASTER Outlet Controls Four Auxiliary Outlets Electronically

- 3-Mode Surge Suppression
  - Hot to Neutral
  - Hot to Ground
  - Neutral to Ground
- Spike Energy Absorption 100 Joules
- Nanosecond Response to Transient Voltage Spikes
- Power and Surge Indicator Lights
- 15 A/120 V AC, (1875 W Max.)
- Resettable Circuit Breaker
- Fused Surge Protection Circuit

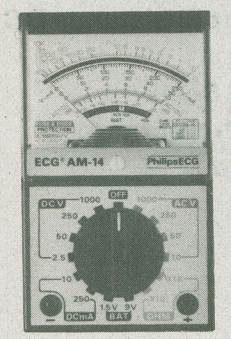


EMF-515MC

Ask your Philips ECG Distributor for Publication ET-2314.

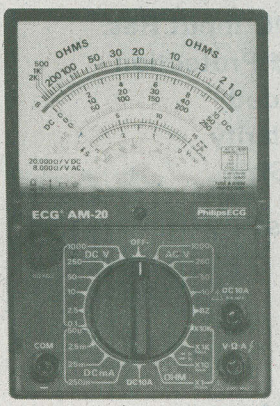
Multimeters and Accessories

AM-14
Multitester



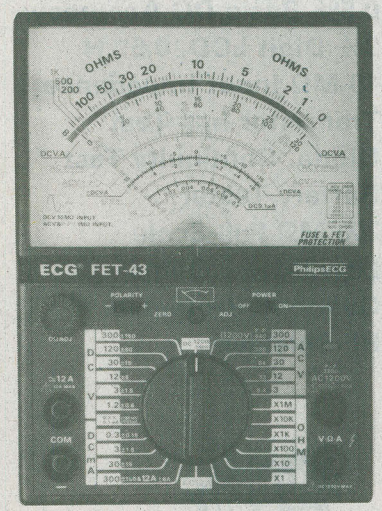
- 6 Functions, 14 Ranges
- ±4% Basic DC Accuracy
- 2¼" Mirrored Scale
- 10 KΩ/V DC, 4 KΩ/V AC Input Sensitivity
- Battery Test — 1.5 V and 9 V
- Fuse/Diode Protection

AM-20
General Purpose VOM



- 9 Functions, 20 Ranges
- ±3% Basic DC Accuracy
- 3½" Mirrored Scale
- 20 KΩ/V DC, 8 KΩ/V AC Input Sensitivity
- 10-Amp DC Range
- 1000 Volts AC/DC
- Transistor I_{CEO} Test
- Diode Test (Measures V_F)
- Continuity Buzzer
- Fuse/Diode Protection

FET-43
FET Input Multimeter



- 5 Functions, 43 Ranges
- ±2.5% Basic DC Accuracy
- 10 MΩ DC, 1 MΩ AC Input Res.
- 4½" Mirrored Scale
- Measures Resistance to 1000 Megohms
- 1200 V AC/DC
- Overload Protection
- Zero Center Scale Adj.

CM-30
AC Clamp-On Digital Meter



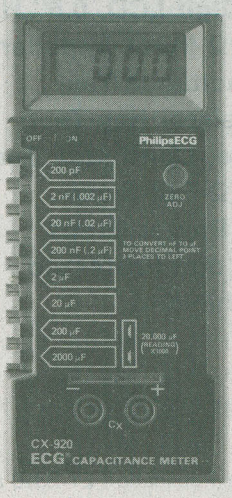
- 3 Functions, 5 Ranges
  750/200 V AC
  300/200 A AC
  2000 Ohms
- Audible Continuity Test
- ±2.0% Basic Accuracy (1.0% Voltage Ranges)
- Data Hold
- 1" Closed Jaw Dia.
- 3½ Digit LCD, 0.5" H
- Overload Protection
- Durable (Withstands 4-Foot Drop)

CM-100
AC Clamp-On Current Adapter



- Adds AC Clamp-On Current Capability to DMMs
- 0-1000 Amps AC
- Works with Most DMMs (Full Scale ≤1-2 V AC)
- ±2.5% Basic Accuracy (0-800 A; 3.0% 800-1000 A)
- 1 mV/1 A Resolution
- 0.1 V RMS AC Output with ≥1 mΩ Meters
- 2.1" Jaw Opening
- Small Size
- Light Weight

CX-920
Capacitance Meter

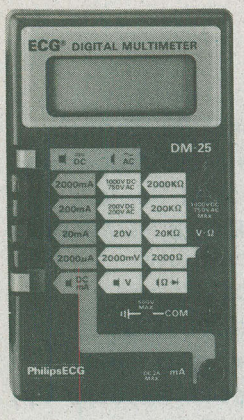


- 9 Ranges
- 0.1 pF to 20,000 μF
- 0.5% Basic Accuracy
- 3½ Digit LCD, 0.5" H
- Zero Adjustment
- Input Protected
- Low Battery Indicator
- Overrange Indictor

S

Ask your Philips ECG Distributor for Publication ET-2310 and Supplements.

DM-25
Digital Multimeter

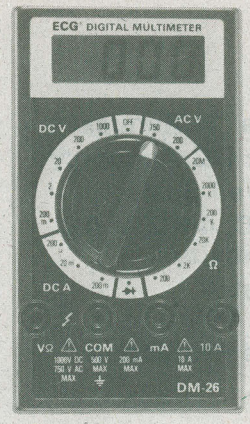


- 4 Functions, 14 Ranges
- 0.5% Basic DC Accuracy
- 3½ Digit LCD, 0.5" H
- 10 MΩ DC Input Res.
- Overload Protection
- RF Shielded
- Auto-Polarity
- Pocket Size

✓ Low Cost

DM-26
Digital Multimeter

NEW

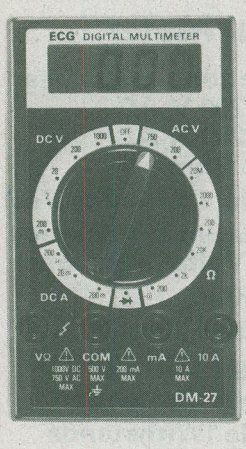


- 5 Functions, 17 Ranges
- 0.8% Basic DC Accuracy
- 3½ Digit LCD, 0.5" H
- 10 MΩ Input Resistance DC
- Diode Test
- 20 MΩ Full Scale
- Overload Protection
- RF Shielded

✓ Low Cost

DM-27
Digital Multimeter

NEW

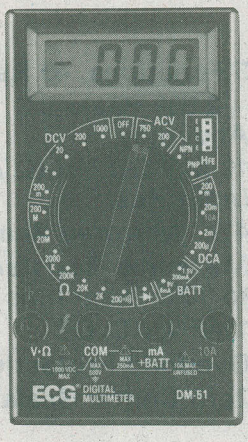


- 6 Functions, 17 Ranges
- 0.8% Basic DC Accuracy
- 3½ Digit LCD, 0.5" H
- 10 MΩ Input Resistance DC
- Diode Test
- Audible Continuity Test
- 20 MΩ Full Scale
- Overload Protection
- RF Shielded

✓ Low Cost

DM-51
Digital Multimeter

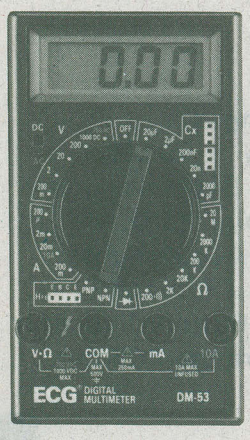
NEW



- 8 Functions, 21 Ranges
- 0.5% Basic DC Accuracy
- 3½ Digit LCD, 0.5" H
- 10 MΩ Input Impedance
- Transistor h_{FE} Test
- Diode, Continuity Test
- Battery Tester
- 200 MΩ Full Scale
- Low Power Ohms
- Overload Protected
- RF Shielded

DM-53
Digital Multimeter

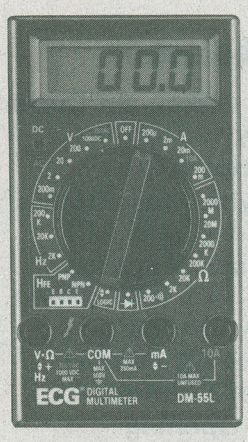
NEW



- 9 Functions, 31 Ranges
- 0.5% Basic DC Accuracy
- 3½ Digit LCD, 0.5" H
- 10 MΩ Input Impedance
- Capacitance Test
- Transistor h_{FE} Test
- Diode, Continuity Test
- 20 MΩ Full Scale
- Low Power Ohms
- Overload Protected
- RF Shielded

DM-55L
Digital Multimeter

NEW



- 10 Functions, 30 Ranges
- 0.5% Basic DC Accuracy
- 3½ Digit LCD, 0.5" H
- 10 MΩ Input Impedance
- Logic Detector
- Frequency Counter
- Transistor h_{FE} Test
- 2000 MΩ Full Scale
- Low Power Ohms
- Diode and Continuity Test
- Overload Protected
- RF Shielded

Ask your Philips ECG Distributor for Publication ET-2310 and Supplements.

DM-74

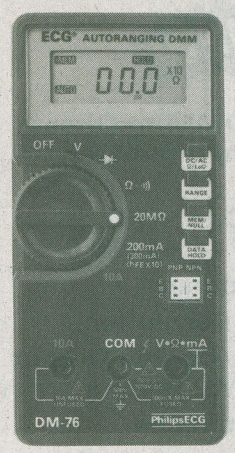
Autorange Digital Multimeter



- 7 Functions, 22 Ranges
- 0.5% Basic DC Accuracy
- 3½ Digit LCD, 0.4" H
- 10 MΩ Input Res.
- Low Power Ohms
- Continuity Beeper
- Overload Protection
- RF Shielded

DM-76

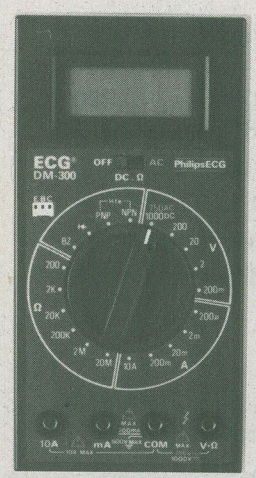
Autorange Digital Multimeter



- 10 Functions, 24 Ranges
- 0.5% Basic DC Accuracy
- 3½ Digit LCD, 0.4" H
- 10 MΩ Input Res.
- Range Indicator
- Data Hold
- Transistor h_{FE} Test
- Diode Test (Measures V_F)
- 20 MΩ Full Scale
- Low Power Ohms
- Audible Continuity Test
- Overload Protection
- RF Shielded

DM-300

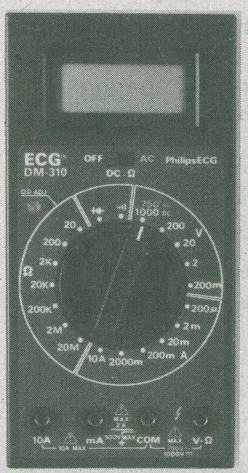
Digital Multimeter



- 8 Functions, 30 Ranges
- 0.25% Basic DC Accuracy
- 3½ Digit LCD, 0.5" H
- 10 MΩ Input Res.
- Transistor h_{FE} Test
- Diode, Continuity Tests
- Low Power Ohms
- Overload Protection
- Gold-Plated Switch Contacts
- RF Shielded

DM-310

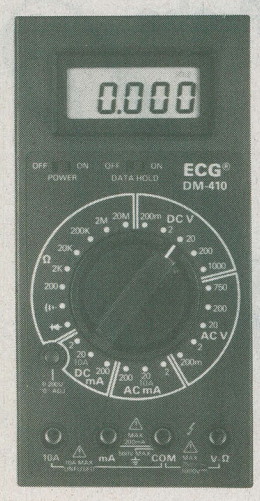
Digital Multimeter



- 7 Functions, 31 Ranges
- 0.1% Basic DC Accuracy
- 3½ Digit LCD, 0.5" H
- 10 MΩ Input Res.
- 20 Ω Full Scale w/Zero Adj.
- Diode, Continuity Tests
- Low Power Ohms
- Overload Protection
- Gold-Plated Switch Contacts
- RF Shielded

DM-410

Digital Multimeter



- 7 Functions, 24 Ranges
- 0.05% Basic DC Accuracy
- 4½ Digit LCD, 0.45" H
- 10 MΩ Input Impedance
- 200 MΩ Full Scale w/Zero Adj.
- Data Hold
- Diode Test
- Audible and Visual Continuity Indicators
- Overload Protection
- Gold Plated Switch Contacts
- RF Shielded

Multimeter Accessories

- Protective Holsters
- Soft Carrying Cases
- Replacement Test Lead Sets

Philips ECG offers a high quality line of optional and replacement multimeter accessories. See these fine items at your nearest Philips ECG Products Distributor.



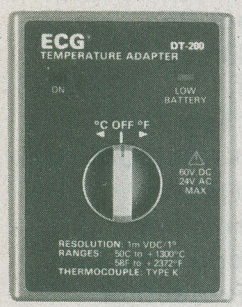
Ask your Philips ECG Distributor for Publication ET-2310 and Supplements.

S

Thermometers

DT-200
Temperature Adapter

NEW



- Converts DMM to Direct Reading Thermometer
- Ranges
  - −50°C to +1300°C
  - −58°F to +2372°F
- ±0.5% Accuracy
- Up to 0.1° Resolution
- 1.0 mV DC/Degree Output with ⩾ 10 MΩ Meters
- C or F Switchable
- Multiple Adapter Jacks
- K-Type Thermocouple

DT-205
Handheld Digital Thermometer

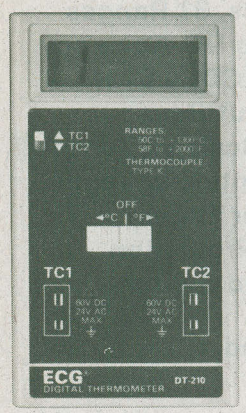
NEW



- Pocket Size - Light Weight
- Ranges
  - −50°C to +150°C
  - −58°F to +302°F
- ±1°C, ±2°F Accuracy
- Up to 0.1° Resolution
- 3½ Digit LCD, 0.5" H
- C or F Switchable
- Built-In Retractable 3½" Probe
- Overrange Indicator

DT-210
Digital Thermometer

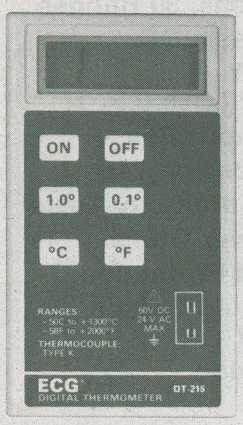
NEW



- Dual Thermocouple Inputs
- Ranges
  - −50°C to +1300°C
  - −58°F to +2000°F
- 0.3% Accuracy
- 3½ Digit LCD, 0.5" H
- C or F Switchable
- Overrange Indicator
- K-Type Thermocouple

DT-215
Digital Thermometer

NEW



- Touch Pad Controls
- Ranges
  - −50°C to +1300°C
  - −58°F to +2000°F
- 0.2% Accuracy
- 3½ Digit LCD, 0.5" H
- C or F Switchable
- K-Type Thermocouple

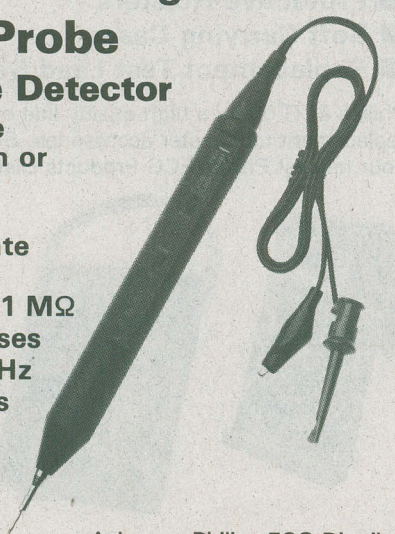
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Logic Circuit Test Probes

For Troubleshooting and Analyzing Logic Circuits

PR21 Logic Probe

- 20 MHz Pulse Detector
- Switch Selectable
  - Pulse Detection or Memory
  - TTL/CMOS
- Audible Logic State Tones
- Input Impedance 1 MΩ
- Detects 30-ns Pulses
- Operates to 20 MHz
- Color Coded LEDs
- Circuit Powered



PR31 Logic Pulser Probe

- Pulse Generator
- Use with Companion Logic Probe PR21 or Scope
- Compatible with Most Logic Families
- Direct Signal Injector (Square Wave)
- Switchable 0.5/400-Hz Pulse Rate
- Sources/Sinks 100 mA Pulses
- External Sync Input
- Circuit Powered



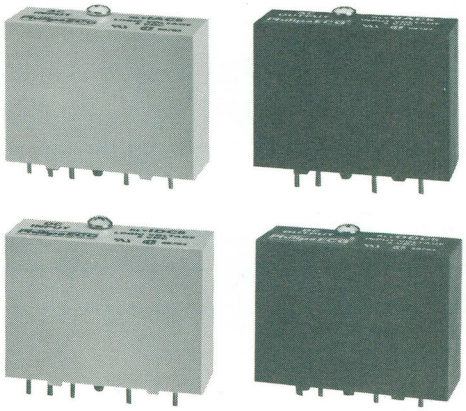
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Input/Output Modules

A Reliable Replacement Interface . . .

NEW

- 18 ECG Types Replace
  - 96 Industry Part Numbers
  - 13 Popular Brands
- Industry Standard, Color Coded Packages
- UL Recognized

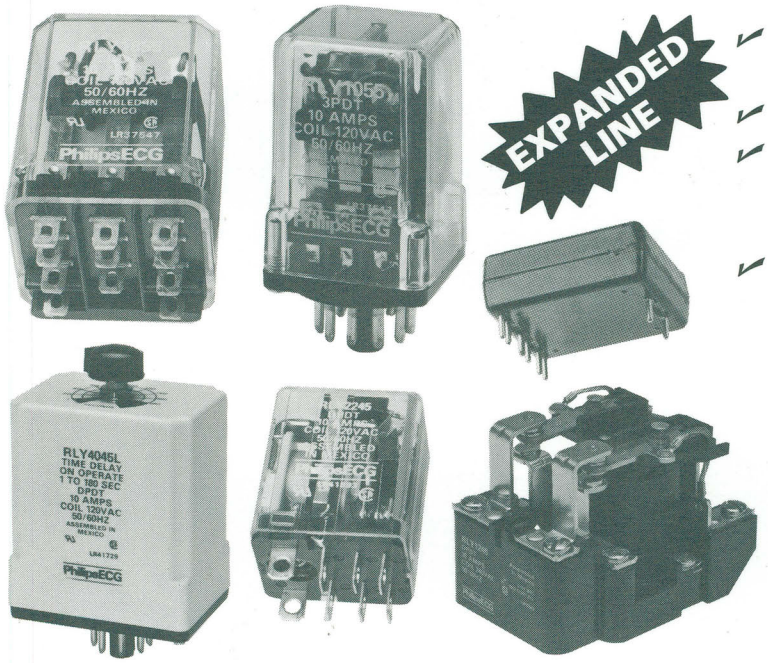


Input and output modules interface between microprocessor and computer based control systems and external power devices. They serve in a wide array of industrial MRO and commercial applications:

- Programmable Controllers
- Robotics
- Elevator Controls
- Business Machines
- Process Controls
- Energy Management
- Telecommunications
- Automatic Test Equipment
- Security Systems
- Machine Control

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Relays and Accessories



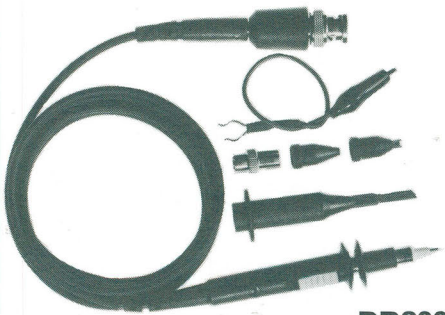
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- Nearly **300 TYPES** in Newly Expanded ECG Line
- Over **100 NEW TYPES** Added
- **REPLACEMENTS FOR OVER**
  - **10,000** Part Numbers
  - **115** Different Brands
- Expanded Catalog/Cross Reference

- **Electromechanical Relays** — General purpose, heavy-duty power, miniature heavy-duty power, PC mountable, PC mountable subminiature, magnetic latching.
- **Reed Relays**
- **Solid State Relays**
- **Time Delay Relays** — Both delay on operate and release types, interval ON delay, repeat cycle timers
- **Accessories** — A diversity of sockets provides mounting for pin, blade and solder terminal relay types. A DIN rail mounting system is also provided.

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Oscilloscope Probes



- Compatible with Popular Scopes
- Switchable X1, X10 and Ground Reference
- Stable Calibration
- Ground Clip Rotates 360°
- 5′ Flexible Cable
- Pin Point Probe Tip

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PR200A
200 MHz Bandwidth

NEW



PR60
60 MHz Bandwidth

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- Remote Control Transmitters
- Remote Control Testers
- Thermometers
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- Wiring Accessories

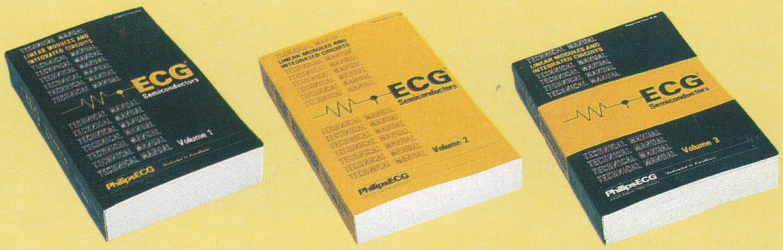


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